	Abdomin	Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Minimisation criterion							
Walking unaided	37	(41.1%)	42	(42.4%)	79	(41.8%)	
Aided walking	43	(47.8%)	46	(46.5%)	89	(47.1%)	
Wheelchair bound	10	(11.1%)	11	(11.1%)	21	(11.1%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	

	Abdominal Massage	Standard Care	Total
Variable			
Age [years]			
Ν	90	99	189
Missing	0	0	0
Mean	53.5	51.3	52.3
SD	11.32	10.32	10.83
Minimum	32	26	26
Median	54.0	50.0	51.0
Maximum	79	76	79
Duration of MS [years since diagnosis]			
Ν	90	99	189
Missing	0	0	0
Mean	14.8	13.9	14.3
SD	9.76	8.64	9.18
Minimum	1	0	0
Median	14.0	13.0	13.0
Maximum	51	44	51

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Table 1: Demographic data		

	Abdominal Massage	Standard Care	Total
Variable			
Height [m]			
Ν	86	99	185
Missing	4	0	4
Mean	1.65	1.68	1.66
SD	0.094	0.090	0.093
Minimum	1.5	1.5	1.5
Median	1.63	1.67	1.65
Maximum	1.9	1.9	1.9
Weight [kg]			
Ν	86	98	184
Missing	4	1	5
Mean	74.56	73.73	74.11
SD	19.144	17.113	18.045
Minimum	40.0	47.0	40.0
Median	72.60	69.75	72.00
Maximum	133.3	144.5	144.5
BMI			
Ν	84	98	182
Missing	6	1	7
Mean	27.40	26.22	26.76
SD	6.207	5.525	5.863
Minimum	14.7	18.2	14.7
Median	26.76	24.54	25.94
Maximum	46.6	48.8	48.8

- calculated values

	Abdomin	al Massage	Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Sex						
Male	14	(15.6%)	21	(21.2%)	35	(18.5%)
Female	76	(84.4%)	78	(78.8%)	154	(81.5%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Type of MS						
Benign	0	(0.0%)	2	(2.0%)	2	(1.1%)
Relapsing Remitting	45	(50.0%)	61	(61.6%)	106	(56.1%)
Secondary Progressive	36	(40.0%)	23	(23.2%)	59	(31.2%)
Primary Progressive	9	(10.0%)	13	(13.1%)	22	(11.6%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Method of MS diagnosis						
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)
Both MRI and LP	44	(48.9%)	47	(47.5%)	91	(48.1%)
MRI only	33	(36.7%)	39	(39.4%)	72	(38.1%)
LP only	12	(13.3%)	13	(13.1%)	25	(13.2%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)

	Abdomin	al Massage	Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Severity of symptoms - visual proble	ms					
None	41	(45.6%)	46	(46.5%)	87	(46.0%)
Mild	27	(30.0%)	32	(32.3%)	59	(31.2%)
Moderate	16	(17.8%)	20	(20.2%)	36	(19.0%)
Severe	6	(6.7%)	1	(1.0%)	7	(3.7%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Severity of symptoms - pain						
None	22	(24.4%)	15	(15.2%)	37	(19.6%)
Mild	19	(21.1%)	19	(19.2%)	38	(20.1%)
Moderate	29	(32.2%)	48	(48.5%)	77	(40.7%)
Severe	20	(22.2%)	17	(17.2%)	37	(19.6%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Severity of symptoms - spasm						
None	33	(36.7%)	31	(31.3%)	64	(33.9%)
Mild	22	(24.4%)	29	(29.3%)	51	(27.0%)
Moderate	24	(26.7%)	28	(28.3%)	52	(27.5%)
Severe	11	(12.2%)	11	(11.1%)	22	(11.6%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Severity of symptoms - mobility						
None	15	(16.7%)	7	(7.1%)	22	(11.6%)
Mild	12	(13.3%)	19	(19.2%)	31	(16.4%)
Moderate	46	(51.1%)	45	(45.5%)	91	(48.1%)
Severe	17	(18.9%)	28	(28.3%)	45	(23.8%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Severity of symptoms - cognitive						
None	39	(43.3%)	35	(35.4%)	74	(39.2%)
Mild	29	(32.2%)	39	(39.4%)	68	(36.0%)
Moderate	21	(23.3%)	22	(22.2%)	43	(22.8%)
Severe	1	(1.1%)	3	(3.0%)	4	(2.1%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)

	Abdomin	al Massage	Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Severity of symptoms - depression						
None	41	(45.6%)	52	(52.5%)	93	(49.2%)
Mild	34	(37.8%)	27	(27.3%)	61	(32.3%)
Moderate	11	(12.2%)	16	(16.2%)	27	(14.3%)
Severe	4	(4.4%)	4	(4.0%)	8	(4.2%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Severity of symptoms - fatigue						
None	8	(8.9%)	5	(5.1%)	13	(6.9%)
Mild	15	(16.7%)	21	(21.2%)	36	(19.0%)
Moderate	43	(47.8%)	47	(47.5%)	90	(47.6%)
Severe	24	(26.7%)	26	(26.3%)	50	(26.5%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Severity of symptoms - bladder						
None	12	(13.3%)	15	(15.2%)	27	(14.3%)
Mild	24	(26.7%)	21	(21.2%)	45	(23.8%)
Moderate	33	(36.7%)	38	(38.4%)	71	(37.6%)
Severe	21	(23.3%)	25	(25.3%)	46	(24.3%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Severity of symptoms - bowel						
None	0	(0.0%)	2	(2.0%)	2	(1.1%)
Mild	20	(22.2%)	17	(17.2%)	37	(19.6%)
Moderate	41	(45.6%)	51	(51.5%)	92	(48.7%)
Severe	29	(32.2%)	29	(29.3%)	58	(30.7%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)

	Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Mobility						
Distance limited to 500m or more	25	(27.8%)	24	(24.2%)	49	(25.9%)
Distance limited to 300m	1	(1.1%)	3	(3.0%)	4	(2.1%)
Distance limited to 200m: score 5.0	6	(6.7%)	7	(7.1%)	13	(6.9%)
Distance limited to 100m or less	4	(4.4%)	7	(7.1%)	11	(5.8%)
Intermittent or unilateral assistance required to walk 100m	26	(28.9%)	29	(29.3%)	55	(29.1%)
Constant bilateral assistance required to walk 20m	16	(17.8%)	17	(17.2%)	33	(17.5%)
Few steps, restricted to wheelchair; transfers independently	8	(8.9%)	4	(4.0%)	12	(6.3%)
Transfers with assistance; may require motorized wheelchair	3	(3.3%)	5	(5.1%)	8	(4.2%)
Essentially restricted to bed or chair	1	(1.1%)	3	(3.0%)	4	(2.1%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Can participant undertake massage the	mselves					
Missing	0	(0.0%)	2	(2.0%)	2	(1.1%)
Yes	87	(96.7%)	88	(88.9%)	175	(92.6%)
No	3	(3.3%)	9	(9.1%)	12	(6.3%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Has participant someone to perform ma	issage					
Missing	4	(4.4%)	5	(5.1%)	9	(4.8%)
Yes	55	(61.1%)	61	(61.6%)	116	(61.4%)
No	31	(34.4%)	33	(33.3%)	64	(33.9%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)

	Abdomin	al Massage	Standa	ard Care	Total	
Variable	Ν	(%)	N	(%)	N	(%)
When did the bowel problems start						
<1 year	5	(5.6%)	3	(3.0%)	8	(4.2%)
1-2 years	12	(13.3%)	14	(14.1%)	26	(13.8%)
2-5 years	22	(24.4%)	20	(20.2%)	42	(22.2%)
5-10 years	17	(18.9%)	25	(25.3%)	42	(22.2%)
>10 years	34	(37.8%)	37	(37.4%)	71	(37.6%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Any pain with constipation						
Yes	59	(65.6%)	60	(60.6%)	119	(63.0%)
No	31	(34.4%)	39	(39.4%)	70	(37.0%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Any bloating						
Yes	76	(84.4%)	86	(86.9%)	162	(85.7%)
No	14	(15.6%)	13	(13.1%)	27	(14.3%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Any faecal incontinence						
Yes	39	(43.3%)	60	(60.6%)	99	(52.4%)
No	51	(56.7%)	39	(39.4%)	90	(47.6%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Frequency of faecal incontinence						
Missing	51	(56.7%)	39	(39.4%)	90	(47.6%)
> once a day	2	(2.2%)	0	(0.0%)	2	(1.1%)
Daily	1	(1.1%)	1	(1.0%)	2	(1.1%)
2-4 times a week	5	(5.6%)	7	(7.1%)	12	(6.3%)
Once a week	3	(3.3%)	5	(5.1%)	8	(4.2%)
Once a fortnight	2	(2.2%)	3	(3.0%)	5	(2.6%)
Other	26	(28.9%)	44	(44.4%)	70	(37.0%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
How often visit toilet and successfull	y open bowels	/pass stool				
> once a day	8	(8.9%)	8	(8.1%)	16	(8.5%)
Daily	6	(6.7%)	14	(14.1%)	20	(10.6%)
2-4 times a week	59	(65.6%)	53	(53.5%)	112	(59.3%)
Once a week	9	(10.0%)	14	(14.1%)	23	(12.2%)
Once a fortnight	3	(3.3%)	4	(4.0%)	7	(3.7%)
Other	5	(5.6%)	6	(6.1%)	11	(5.8%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)

	Abdomin	al Massage	Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Description of stool - frequency of type	1					
Missing	3	(3.3%)	5	(5.1%)	8	(4.2%)
100%	12	(13.3%)	3	(3.0%)	15	(7.9%)
75%	11	(12.2%)	18	(18.2%)	29	(15.3%)
50%	5	(5.6%)	9	(9.1%)	14	(7.4%)
25%	16	(17.8%)	25	(25.3%)	41	(21.7%)
0%	43	(47.8%)	39	(39.4%)	82	(43.4%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Description of stool - frequency of type	2					
Missing	3	(3.3%)	5	(5.1%)	8	(4.2%)
100%	2	(2.2%)	1	(1.0%)	3	(1.6%
75%	9	(10.0%)	4	(4.0%)	13	(6.9%
50%	14	(15.6%)	14	(14.1%)	28	(14.8%
25%	24	(26.7%)	27	(27.3%)	51	(27.0%
0%	38	(42.2%)	48	(48.5%)	86	(45.5%
Total	90	(100.0%)	99	(100.0%)	189	(100.0%
Description of stool - frequency of type	3					
Missing	3	(3.3%)	3	(3.0%)	6	(3.2%
100%	1	(1.1%)	2	(2.0%)	3	(1.6%
75%	8	(8.9%)	13	(13.1%)	21	(11.1%
50%	8	(8.9%)	12	(12.1%)	20	(10.6%
25%	19	(21.1%)	18	(18.2%)	37	(19.6%
0%	51	(56.7%)	51	(51.5%)	102	(54.0%
Total	90	(100.0%)	99	(100.0%)	189	(100.0%
Description of stool - frequency of type	4					
Missing	3	(3.3%)	5	(5.1%)	8	(4.2%)
100%	4	(4.4%)	2	(2.0%)	6	(3.2%
75%	5	(5.6%)	5	(5.1%)	10	(5.3%
50%	8	(8.9%)	9	(9.1%)	17	(9.0%
25%	20	(22.2%)	26	(26.3%)	46	(24.3%)
0%	50	(55.6%)	52	(52.5%)	102	(54.0%
Total	90	(100.0%)	99	(100.0%)	189	(100.0%
Description of stool - frequency of type	5					
Missing	3	(3.3%)	4	(4.0%)	7	(3.7%
75%	5	(5.6%)	5	(5.1%)	10	(5.3%
50%	10	(11.1%)	11	(11.1%)	21	(11.1%
25%	10	(11.1%)	10	(10.1%)	20	(10.6%
0%	62	(68.9%)	69	(69.7%)	131	(69.3%
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)

	Abdomin	al Massage	Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Description of stool - frequency of type	6					
Missing	3	(3.3%)	4	(4.0%)	7	(3.7%)
100%	3	(3.3%)	3	(3.0%)	6	(3.2%)
75%	1	(1.1%)	6	(6.1%)	7	(3.7%)
50%	5	(5.6%)	5	(5.1%)	10	(5.3%)
25%	16	(17.8%)	13	(13.1%)	29	(15.3%)
0%	62	(68.9%)	68	(68.7%)	130	(68.8%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Description of stool - frequency of type	7					
Missing	3	(3.3%)	5	(5.1%)	8	(4.2%)
100%	3	(3.3%)	0	(0.0%)	3	(1.6%)
75%	1	(1.1%)	1	(1.0%)	2	(1.1%)
50%	2	(2.2%)	0	(0.0%)	2	(1.1%)
25%	7	(7.8%)	12	(12.1%)	19	(10.1%)
0%	74	(82.2%)	81	(81.8%)	155	(82.0%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)

	Abdomin	al Massage	Standa	ard Care	Total	
Variable	Ν	(%)	N	(%)	N	(%)
Frequency of having to strain t	o pass stool					
All the time	24	(26.7%)	24	(24.2%)	48	(25.4%)
3/4 of the time	18	(20.0%)	20	(20.2%)	38	(20.1%)
1/2 of the time	17	(18.9%)	20	(20.2%)	37	(19.6%)
1/4 of the time	21	(23.3%)	20	(20.2%)	41	(21.7%)
Never	10	(11.1%)	15	(15.2%)	25	(13.2%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Frequency of using digital stim	ulation to help pass	stool				
All the time	9	(10.0%)	4	(4.0%)	13	(6.9%)
3/4 of the time	5	(5.6%)	9	(9.1%)	14	(7.4%)
1/2 of the time	3	(3.3%)	4	(4.0%)	7	(3.7%)
1/4 of the time	11	(12.2%)	12	(12.1%)	23	(12.2%)
Never	62	(68.9%)	70	(70.7%)	132	(69.8%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Frequency of having sensation	of incomplete empt	ying				
Missing	1	(1.1%)	1	(1.0%)	2	(1.1%)
All the time	33	(36.7%)	33	(33.3%)	66	(34.9%)
3/4 of the time	22	(24.4%)	31	(31.3%)	53	(28.0%)
1/2 of the time	15	(16.7%)	17	(17.2%)	32	(16.9%)
1/4 of the time	12	(13.3%)	12	(12.1%)	24	(12.7%)
Never	7	(7.8%)	5	(5.1%)	12	(6.3%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Frequency of feeling something	is stopping partici	pant passing s	tool			
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)
All the time	12	(13.3%)	19	(19.2%)	31	(16.4%)
3/4 of the time	11	(12.2%)	13	(13.1%)	24	(12.7%)
1/2 of the time	8	(8.9%)	6	(6.1%)	14	(7.4%)
1/4 of the time	9	(10.0%)	13	(13.1%)	22	(11.6%)
Never	49	(54.4%)	48	(48.5%)	97	(51.3%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)

	Abdomin	al Massage	Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Does participant have scars on abdo	omen					
Missing	3	(3.3%)	99	(100.0%)	102	(54.0%)
Yes	10	(11.1%)	0	(0.0%)	10	(5.3%)
No	77	(85.6%)	0	(0.0%)	77	(40.7%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Does participant have open wounds	on abdomen					
Missing	2	(2.2%)	99	(100.0%)	101	(53.4%
Yes	2	(2.2%)	0	(0.0%)	2	(1.1%
No	86	(95.6%)	0	(0.0%)	86	(45.5%
Total	90	(100.0%)	99	(100.0%)	189	(100.0%
Does participant have skin rash on a	abdomen					
Missing	2	(2.2%)	99	(100.0%)	101	(53.4%
Yes	3	(3.3%)	0	(0.0%)	3	(1.6%
No	85	(94.4%)	0	(0.0%)	85	(45.0%
Total	90	(100.0%)	99	(100.0%)	189	(100.0%
Does participant have hernia on abo	domen					
Missing	2	(2.2%)	99	(100.0%)	101	(53.4%
Yes	2	(2.2%)	0	(0.0%)	2	(1.1%
No	86	(95.6%)	0	(0.0%)	86	(45.5%
Total	90	(100.0%)	99	(100.0%)	189	(100.0%
Does participant have lumps on abo	lomen					
Missing	2	(2.2%)	99	(100.0%)	101	(53.4%
Yes	2	(2.2%)	0	(0.0%)	2	(1.1%
No	86	(95.6%)	0	(0.0%)	86	(45.5%
Total	90	(100.0%)	99	(100.0%)	189	(100.0%
Upon palpation is there any tenderr	iess					
Missing	3	(3.3%)	99	(100.0%)	102	(54.0%
Yes	8	(8.9%)	0	(0.0%)	8	(4.2%
No	79	(87.8%)	0	(0.0%)	79	(41.8%
Total	90	(100.0%)	99	(100.0%)	189	(100.0%
Upon palpation is there any full boy	vel					
Missing	7	(7.8%)	99	(100.0%)	106	(56.1%
Yes	19	(21.1%)	0	(0.0%)	19	(10.1%
No	64	(71.1%)	0	(0.0%)	64	(33.9%
Total	90	(100.0%)	99	(100.0%)	189	(100.0%

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 13 of 464Table 2: Constipation Diary

	Abdominal Massage	Standard Care	Total
Variable			
Constipation total score			
Pre-treatment			
Ν	88	97	185
Missing	1	2	3
Mean	11.7	11.5	11.6
SD	4.05	3.77	3.90
95%-LCL	10.84	10.78	11.05
95%-UCL	12.56	12.31	12.18
Minimum	1	3	1
Q1	9.5	9.0	9.0
Median	12.0	11.0	12.0
Q3	14.0	14.0	14.0
Maximum	25	21	25
Week 6			
Ν	58	83	141
Missing	4	3	7
Mean	10.6	10.8	10.7
SD	4.34	3.96	4.11
95%-LCL	9.47	9.92	10.03
95%-UCL	11.76	11.65	11.40
Minimum	1	2	1
Q1	7.0	8.0	8.0
Median	11.0	11.0	11.0
Q3	13.7	14.0	13.7
Maximum	22	21	22
Pre-treatment vs. Week 6			
Ν	57	82	139
Missing	32	17	49
Mean	-1.2	-0.3	-0.7
SD	3.34	3.49	3.45
95%-LCL	-2.11	-1.05	-1.25
95%-UCL	-0.33	0.48	-0.09
Minimum	-11	-10	-11
Q1	-3.0	-2.0	-3.0
Median	-1.0	0.0	0.0
Q3	1.0	2.0	2.0
Maximum	5	7	7
Week 24			
Ν	57	81	138
Missing	1	2	3

- calculated values

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 14 of 464Table 2: Constipation Diary

	Abdominal Massage	Standard Care	Total
Variable			
Mean	10.1	11.1	10.7
SD	4.10	3.91	4.01
95%-LCL	9.05	10.25	10.04
95%-UCL	11.23	11.98	11.39
Minimum	2	3	2
Q1	7.0	9.0	8.0
Median	10.0	11.0	11.0
Q3	13.0	13.0	13.0
Maximum	22	27	27

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 15 of 464Table 2: Constipation Diary

	Abdominal Massage	Standard Care	Total
Variable			
Constipation total score			
Pre-treatment vs. Week 24			
Ν	56	81	137
Missing	33	18	51
Mean	-1.1	-0.3	-0.6
SD	3.82	3.45	3.61
95%-LCL	-2.15	-1.08	-1.26
95%-UCL	-0.10	0.45	-0.04
Minimum	-9	-8	-9
Q1	-3.9	-2.0	-3.0
Median	-1.0	0.0	0.0
Q3	1.0	1.0	1.0
Maximum	7	8	8

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		ominal ssage		ndard are	Total	
Variable	Ν	(%)	N	(%)	N	(%)
Frequency of bowel movements						
Pre-treatment						
Missing	1	(1.1%)	1	(1.0%)	2	(1.1%)
1–2 times per 1–2 days	48	(53.9%)	60	(60.6%)	108	(57.4%)
2 times per week	34	(38.2%)	28	(28.3%)	62	(33.0%)
1 per week	1	(1.1%)	5	(5.1%)	6	(3.2%)
< 1 per week	5	(5.6%)	3	(3.0%)	8	(4.3%)
< 1 per month	0	(0.0%)	2	(2.0%)	2	(1.1%)
Total	89	(100.0%)	99	(100.0%)	188	(100.0%)
Week 6						
Missing	3	(4.8%)	4	(4.7%)	7	(4.7%)
1–2 times per 1–2 days	39	(62.9%)	48	(55.8%)	87	(58.8%)
2 times per week	13	(21.0%)	27	(31.4%)	40	(27.0%)
1 per week	4	(6.5%)	5	(5.8%)	9	(6.1%)
< 1 per week	3	(4.8%)	2	(2.3%)	5	(3.4%)
< 1 per month	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	62	(100.0%)	86	(100.0%)	148	(100.0%)
Week 24						
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%)
1–2 times per 1–2 days	36	(62.1%)	41	(49.4%)	77	(54.6%)
2 times per week	19	(32.8%)	26	(31.3%)	45	(31.9%)
1 per week	0	(0.0%)	8	(9.6%)	8	(5.7%)
< 1 per week	2	(3.4%)	6	(7.2%)	8	(5.7%)
< 1 per month	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)

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		ominal ssage	Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Time: minutes at toilet per attempt						
Pre-treatment						
Missing	1	(1.1%)	1	(1.0%)	2	(1.1%)
< 5 min	19	(21.3%)	20	(20.2%)	39	(20.7%)
5-10 min	32	(36.0%)	27	(27.3%)	59	(31.4%)
10-20 min	22	(24.7%)	30	(30.3%)	52	(27.7%)
20-30 min	8	(9.0%)	13	(13.1%)	21	(11.2%)
> 30 min	7	(7.9%)	8	(8.1%)	15	(8.0%)
Total	89	(100.0%)	99	(100.0%)	188	(100.0%)
Week 6						
Missing	3	(4.8%)	2	(2.3%)	5	(3.4%)
< 5 min	14	(22.6%)	18	(20.9%)	32	(21.6%)
5-10 min	26	(41.9%)	34	(39.5%)	60	(40.5%)
10-20 min	8	(12.9%)	17	(19.8%)	25	(16.9%)
20-30 min	6	(9.7%)	10	(11.6%)	16	(10.8%)
> 30 min	5	(8.1%)	5	(5.8%)	10	(6.8%)
Total	62	(100.0%)	86	(100.0%)	148	(100.0%)
Week 24						
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%)
< 5 min	12	(20.7%)	18	(21.7%)	30	(21.3%)
5-10 min	25	(43.1%)	23	(27.7%)	48	(34.0%)
10-20 min	11	(19.0%)	23	(27.7%)	34	(24.1%)
20-30 min	6	(10.3%)	9	(10.8%)	15	(10.6%)
> 30 min	3	(5.2%)	8	(9.6%)	11	(7.8%)
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)

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		ominal ssage	Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Difficulty: painful evacuation effort						
Pre-treatment						
Missing	1	(1.1%)	2	(2.0%)	3	(1.6%)
Never	13	(14.6%)	18	(18.2%)	31	(16.5%)
Rarely	16	(18.0%)	17	(17.2%)	33	(17.6%)
Sometimes	33	(37.1%)	42	(42.4%)	75	(39.9%)
Usually	16	(18.0%)	15	(15.2%)	31	(16.5%)
Always	10	(11.2%)	5	(5.1%)	15	(8.0%)
Total	89	(100.0%)	99	(100.0%)	188	(100.0%)
Week 6						
Missing	3	(4.8%)	3	(3.5%)	6	(4.1%)
Never	15	(24.2%)	12	(14.0%)	27	(18.2%)
Rarely	14	(22.6%)	27	(31.4%)	41	(27.7%)
Sometimes	20	(32.3%)	28	(32.6%)	48	(32.4%)
Usually	7	(11.3%)	13	(15.1%)	20	(13.5%)
Always	3	(4.8%)	3	(3.5%)	6	(4.1%)
Total	62	(100.0%)	86	(100.0%)	148	(100.0%)
Week 24						
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%)
Never	8	(13.8%)	13	(15.7%)	21	(14.9%)
Rarely	19	(32.8%)	18	(21.7%)	37	(26.2%)
Sometimes	23	(39.7%)	35	(42.2%)	58	(41.1%)
Usually	6	(10.3%)	13	(15.7%)	19	(13.5%)
Always	1	(1.7%)	2	(2.4%)	3	(2.1%)
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)

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		ominal ssage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Assistance: type of assistance							
Pre-treatment							
Missing	1	(1.1%)	2	(2.0%)	3	(1.6%)	
None	33	(37.1%)	23	(23.2%)	56	(29.8%)	
Laxatives	40	(44.9%)	54	(54.5%)	94	(50.0%)	
Digital assistance or enema	15	(16.9%)	20	(20.2%)	35	(18.6%)	
Total	89	(100.0%)	99	(100.0%)	188	(100.0%)	
Week 6							
Missing	3	(4.8%)	3	(3.5%)	6	(4.1%)	
None	21	(33.9%)	26	(30.2%)	47	(31.8%)	
Laxatives	28	(45.2%)	45	(52.3%)	73	(49.3%)	
Digital assistance or enema	10	(16.1%)	12	(14.0%)	22	(14.9%)	
Total	62	(100.0%)	86	(100.0%)	148	(100.0%)	
Week 24							
Missing	3	(5.2%)	2	(2.4%)	5	(3.5%)	
None	23	(39.7%)	29	(34.9%)	52	(36.9%)	
Laxatives	24	(41.4%)	32	(38.6%)	56	(39.7%)	
Digital assistance or enema	8	(13.8%)	20	(24.1%)	28	(19.9%)	
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)	

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Variable		ominal ssage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Completeness: feeling incomp	lete evacuation						
Pre-treatment							
Missing	1	(1.1%)	1	(1.0%)	2	(1.1%)	
Never	6	(6.7%)	9	(9.1%)	15	(8.0%)	
Rarely	8	(9.0%)	13	(13.1%)	21	(11.2%)	
Sometimes	27	(30.3%)	27	(27.3%)	54	(28.7%)	
Usually	28	(31.5%)	29	(29.3%)	57	(30.3%)	
Always	19	(21.3%)	20	(20.2%)	39	(20.7%)	
Total	89	(100.0%)	99	(100.0%)	188	(100.0%)	
Week 6							
Missing	3	(4.8%)	2	(2.3%)	5	(3.4%)	
Never	4	(6.5%)	8	(9.3%)	12	(8.1%)	
Rarely	7	(11.3%)	10	(11.6%)	17	(11.5%)	
Sometimes	22	(35.5%)	28	(32.6%)	50	(33.8%)	
Usually	18	(29.0%)	23	(26.7%)	41	(27.7%)	
Always	8	(12.9%)	15	(17.4%)	23	(15.5%)	
Total	62	(100.0%)	86	(100.0%)	148	(100.0%)	
Week 24							
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%)	
Never	9	(15.5%)	7	(8.4%)	16	(11.3%)	
Rarely	8	(13.8%)	18	(21.7%)	26	(18.4%)	
Sometimes	25	(43.1%)	30	(36.1%)	55	(39.0%)	
Usually	13	(22.4%)	17	(20.5%)	30	(21.3%)	
Always	2	(3.4%)	9	(10.8%)	11	(7.8%)	
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)	

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		ominal ssage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Failure: unsuccessful attemp	ts for evacuation per	24 hours					
Pre-treatment							
Missing	1	(1.1%)	2	(2.0%)	3	(1.6%)	
Never	19	(21.3%)	28	(28.3%)	47	(25.0%)	
1-3	61	(68.5%)	61	(61.6%)	122	(64.9%)	
3-6	7	(7.9%)	7	(7.1%)	14	(7.4%)	
6-9	0	(0.0%)	0	(0.0%)	0	(0.0%)	
>9	1	(1.1%)	1	(1.0%)	2	(1.1%)	
Total	89	(100.0%)	99	(100.0%)	188	(100.0%)	
Week 6							
Missing	5	(8.1%)	3	(3.5%)	8	(5.4%)	
Never	12	(19.4%)	17	(19.8%)	29	(19.6%)	
1-3	41	(66.1%)	58	(67.4%)	99	(66.9%)	
3-6	3	(4.8%)	7	(8.1%)	10	(6.8%)	
6-9	1	(1.6%)	1	(1.2%)	2	(1.4%)	
>9	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	62	(100.0%)	86	(100.0%)	148	(100.0%)	
Week 24							
Missing	2	(3.4%)	4	(4.8%)	6	(4.3%)	
Never	8	(13.8%)	15	(18.1%)	23	(16.3%)	
1-3	42	(72.4%)	56	(67.5%)	98	(69.5%)	
3-6	4	(6.9%)	7	(8.4%)	11	(7.8%)	
6-9	2	(3.4%)	0	(0.0%)	2	(1.4%)	
>9	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)	

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Variable		ominal ssage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Pain							
Pre-treatment							
Missing	2	(2.2%)	1	(1.0%)	3	(1.6%)	
Never	20	(22.5%)	17	(17.2%)	37	(19.7%)	
Rarely	18	(20.2%)	27	(27.3%)	45	(23.9%)	
Sometimes	31	(34.8%)	40	(40.4%)	71	(37.8%)	
Usually	15	(16.9%)	10	(10.1%)	25	(13.3%)	
Always	3	(3.4%)	4	(4.0%)	7	(3.7%)	
Total	89	(100.0%)	99	(100.0%)	188	(100.0%)	
Week 6							
Missing	4	(6.5%)	3	(3.5%)	7	(4.7%)	
Never	17	(27.4%)	16	(18.6%)	33	(22.3%)	
Rarely	21	(33.9%)	32	(37.2%)	53	(35.8%)	
Sometimes	12	(19.4%)	26	(30.2%)	38	(25.7%)	
Usually	6	(9.7%)	9	(10.5%)	15	(10.1%)	
Always	2	(3.2%)	0	(0.0%)	2	(1.4%)	
Total	62	(100.0%)	86	(100.0%)	148	(100.0%)	
Week 24							
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%)	
Never	15	(25.9%)	18	(21.7%)	33	(23.4%)	
Rarely	21	(36.2%)	27	(32.5%)	48	(34.0%)	
Sometimes	15	(25.9%)	29	(34.9%)	44	(31.2%)	
Usually	3	(5.2%)	6	(7.2%)	9	(6.4%)	
Always	3	(5.2%)	1	(1.2%)	4	(2.8%)	
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 23 of 464Table 2: Constipation Diary

		ominal ssage		ndard are	Total	
Variable	Ν	(%)	N	(%)	N	(%)
History: duration of constipation						
Pre-treatment						
Missing	3	(3.4%)	1	(1.0%)	4	(2.1%)
0	6	(6.7%)	9	(9.1%)	15	(8.0%)
1-5	34	(38.2%)	31	(31.3%)	65	(34.6%)
5-10	17	(19.1%)	28	(28.3%)	45	(23.9%)
10-20	16	(18.0%)	17	(17.2%)	33	(17.6%)
>20	13	(14.6%)	13	(13.1%)	26	(13.8%)
Total	89	(100.0%)	99	(100.0%)	188	(100.0%)
Week 6						
Missing	4	(6.5%)	4	(4.7%)	8	(5.4%)
0	3	(4.8%)	7	(8.1%)	10	(6.8%)
1-5	22	(35.5%)	34	(39.5%)	56	(37.8%)
5-10	12	(19.4%)	16	(18.6%)	28	(18.9%)
10-20	9	(14.5%)	16	(18.6%)	25	(16.9%)
>20	12	(19.4%)	9	(10.5%)	21	(14.2%)
Total	62	(100.0%)	86	(100.0%)	148	(100.0%)
Week 24						
Missing	3	(5.2%)	4	(4.8%)	7	(5.0%)
0	5	(8.6%)	6	(7.2%)	11	(7.8%)
1-5	18	(31.0%)	29	(34.9%)	47	(33.3%)
5-10	14	(24.1%)	20	(24.1%)	34	(24.1%)
10-20	8	(13.8%)	10	(12.0%)	18	(12.8%)
>20	10	(17.2%)	14	(16.9%)	24	(17.0%)
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 24 of 464Table 3: Neurogenic Bowel Dysfunction Score Questionnaire

	Abdominal Massage	Standard Care	Total
Variable			
NDB Total score			
Pre-treatment			
Ν	86	94	180
Missing	4	5	9
Mean	7.6	8.6	8.2
SD	5.31	5.08	5.20
95%-LCL	6.48	7.60	7.39
95%-UCL	8.75	9.68	8.91
Minimum	0	0	C
Q1	3.0	3.0	3.0
Median	6.0	9.0	7.5
Q3	11.0	12.0	12.0
Maximum	21	22	22
Week 6			
Ν	62	83	145
Missing	2	7	9
Mean	8.4	9.1	8.8
SD	6.20	5.72	5.92
95%-LCL	6.83	7.87	7.84
95%-UCL	9.98	10.37	9.79
Minimum	0	0	0
Q1	3.0	5.0	5.0
Median	7.0	8.0	8.0
Q3	13.0	12.0	12.0
Maximum	25	34	34
Pre-treatment vs. Week 6			
Ν	61	80	141
Missing	29	19	48
Mean	0.6	0.9	0.8
SD	5.28	6.11	5.75
95%-LCL	-0.73	-0.50	-0.20
95%-UCL	1.98	2.22	1.72
Minimum	-10	-13	-13
Q1	-2.0	-2.0	-2.0
Median	0.0	0.0	0.0
Q3	4.0	3.0	3.0
Maximum	16	27	27
Week 24			
Ν	69	84	153
Missing	3	6	9

^{# -} calculated values

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 25 of 464Table 3: Neurogenic Bowel Dysfunction Score Questionnaire

	Abdominal Massage	Standard Care	Total
Variable	massage	Standard Care	I Otal
v al lable			
Mean	7.4	8.7	8.1
SD	5.23	5.70	5.52
95%-LCL	6.13	7.44	7.22
95%-UCL	8.65	9.92	8.98
Minimum	0	0	0
Q1	3.0	3.5	3.0
Median	7.0	7.5	7.0
Q3	11.0	12.5	12.0
Maximum	24	24	24

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	Abdominal Massage	Standard Care	Total
Variable			
NDB Total score			
Pre-treatment vs. Week 24			
Ν	66	80	146
Missing	24	19	43
Mean	-0.6	0.5	0.0
SD	6.18	5.88	6.02
95%-LCL	-2.11	-0.78	-0.96
95%-UCL	0.93	1.83	1.01
Minimum	-16	-15	-16
Q1	-3.0	-3.0	-3.0
Median	0.0	0.0	0.0
Q3	3.0	4.0	4.0
Maximum	12	16	16

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 27 of 464Table 3: Neurogenic Bowel Dysfunction Score Questionnaire

		ominal ssage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Frequency of defaecation							
Pre-treatment							
Missing	0	(0.0%)	1	(1.0%)	1	(0.5%)	
Daily	11	(12.2%)	16	(16.2%)	27	(14.3%)	
2-6 times every week	73	(81.1%)	75	(75.8%)	148	(78.3%)	
Less than once a week	6	(6.7%)	7	(7.1%)	13	(6.9%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)	
Daily	12	(18.8%)	11	(12.2%)	23	(14.9%)	
2-6 times every week	45	(70.3%)	69	(76.7%)	114	(74.0%)	
Less than once a week	7	(10.9%)	9	(10.0%)	16	(10.4%)	
Total	64	(100.0%)	90	(100.0%)	154	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Daily	17	(23.6%)	18	(20.0%)	35	(21.6%)	
2-6 times every week	51	(70.8%)	61	(67.8%)	112	(69.1%)	
Less than once a week	4	(5.6%)	11	(12.2%)	15	(9.3%)	
Total	72	(100.0%)	90	(100.0%)	162	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 28 of 464Table 3: Neurogenic Bowel Dysfunction Score Questionnaire

		ominal ssage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Time used for each defaecation							
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
0-30min,	80	(88.9%)	84	(84.8%)	164	(86.8%)	
31-60min	7	(7.8%)	14	(14.1%)	21	(11.1%)	
More than one hour	3	(3.3%)	1	(1.0%)	4	(2.1%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)	
0-30min,	55	(85.9%)	75	(83.3%)	130	(84.4%)	
31-60min	8	(12.5%)	11	(12.2%)	19	(12.3%)	
More than one hour	1	(1.6%)	3	(3.3%)	4	(2.6%)	
Total	64	(100.0%)	90	(100.0%)	154	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
0-30min,	63	(87.5%)	75	(83.3%)	138	(85.2%)	
31-60min	8	(11.1%)	14	(15.6%)	22	(13.6%)	
More than one hour	1	(1.4%)	1	(1.1%)	2	(1.2%)	
Total	72	(100.0%)	90	(100.0%)	162	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 29 of 464Table 3: Neurogenic Bowel Dysfunction Score Questionnaire

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Uneasiness, headache or pers	spiration during defac	ecation					
Pre-treatment							
Missing	0	(0.0%)	1	(1.0%)	1	(0.5%)	
No	61	(67.8%)	57	(57.6%)	118	(62.4%)	
Yes	29	(32.2%)	41	(41.4%)	70	(37.0%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)	
No	44	(68.8%)	53	(58.9%)	97	(63.0%)	
Yes	20	(31.3%)	36	(40.0%)	56	(36.4%)	
Total	64	(100.0%)	90	(100.0%)	154	(100.0%)	
Week 24							
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)	
No	51	(70.8%)	62	(68.9%)	113	(69.8%)	
Yes	21	(29.2%)	27	(30.0%)	48	(29.6%)	
Total	72	(100.0%)	90	(100.0%)	162	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 30 of 464Table 3: Neurogenic Bowel Dysfunction Score Questionnaire

	Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Regular use of tablets against constipation						
Pre-treatment						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	42	(46.7%)	51	(51.5%)	93	(49.2%)
Yes	48	(53.3%)	48	(48.5%)	96	(50.8%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	1	(1.6%)	1	(1.1%)	2	(1.3%)
No	35	(54.7%)	52	(57.8%)	87	(56.5%)
Yes	28	(43.8%)	37	(41.1%)	65	(42.2%)
Total	64	(100.0%)	90	(100.0%)	154	(100.0%)
Week 24						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	45	(62.5%)	55	(61.1%)	100	(61.7%)
Yes	27	(37.5%)	35	(38.9%)	62	(38.3%)
Total	72	(100.0%)	90	(100.0%)	162	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 31 of 464Table 3: Neurogenic Bowel Dysfunction Score Questionnaire

	Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Regular use of drops against constipation						
Pre-treatment						
Missing	2	(2.2%)	1	(1.0%)	3	(1.6%)
No	81	(90.0%)	91	(91.9%)	172	(91.0%)
Yes	7	(7.8%)	7	(7.1%)	14	(7.4%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	0	(0.0%)	3	(3.3%)	3	(1.9%)
No	59	(92.2%)	79	(87.8%)	138	(89.6%)
Yes	5	(7.8%)	8	(8.9%)	13	(8.4%)
Total	64	(100.0%)	90	(100.0%)	154	(100.0%)
Week 24						
Missing	2	(2.8%)	2	(2.2%)	4	(2.5%)
No	65	(90.3%)	80	(88.9%)	145	(89.5%)
Yes	5	(6.9%)	8	(8.9%)	13	(8.0%)
Total	72	(100.0%)	90	(100.0%)	162	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 32 of 464Table 3: Neurogenic Bowel Dysfunction Score Questionnaire

Variable		ominal ssage	Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)
Digital stimulation or evacuation of the	anorectum	I				
Pre-treatment						
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)
Less than once a week	74	(82.2%)	76	(76.8%)	150	(79.4%)
Once or more than once a week	15	(16.7%)	23	(23.2%)	38	(20.1%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	1	(1.6%)	7	(7.8%)	8	(5.2%)
Less than once a week	46	(71.9%)	62	(68.9%)	108	(70.1%)
Once or more than once a week	17	(26.6%)	21	(23.3%)	38	(24.7%)
Total	64	(100.0%)	90	(100.0%)	154	(100.0%)
Week 24						
Missing	1	(1.4%)	3	(3.3%)	4	(2.5%)
Less than once a week	60	(83.3%)	63	(70.0%)	123	(75.9%)
Once or more than once a week	11	(15.3%)	24	(26.7%)	35	(21.6%)
Total	72	(100.0%)	90	(100.0%)	162	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 33 of 464Table 3: Neurogenic Bowel Dysfunction Score Questionnaire

		ominal ssage		ndard are	Total	
Variable	Ν	(%)	N	(%)	N	(%)
Frequency of faecal incontinence						
Pre-treatment						
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)
Less than once every month	71	(78.9%)	78	(78.8%)	149	(78.8%)
1-4 times per month	12	(13.3%)	8	(8.1%)	20	(10.6%)
1-6 times every week	5	(5.6%)	13	(13.1%)	18	(9.5%)
Daily	1	(1.1%)	0	(0.0%)	1	(0.5%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)
Less than once every month	50	(78.1%)	65	(72.2%)	115	(74.7%)
1-4 times per month	12	(18.8%)	19	(21.1%)	31	(20.1%)
1-6 times every week	2	(3.1%)	5	(5.6%)	7	(4.5%)
Daily	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	64	(100.0%)	90	(100.0%)	154	(100.0%)
Week 24						
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)
Less than once every month	54	(75.0%)	68	(75.6%)	122	(75.3%)
1-4 times per month	15	(20.8%)	17	(18.9%)	32	(19.8%)
1-6 times every week	3	(4.2%)	4	(4.4%)	7	(4.3%)
Daily	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	72	(100.0%)	90	(100.0%)	162	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 34 of 464Table 3: Neurogenic Bowel Dysfunction Score Questionnaire

Variable	Abdominal Massage		Standard Care		Total	
	N	(%)	N	(%)	N	(%)
Medication against faecal incontinence						
Pre-treatment						
Missing	0	(0.0%)	1	(1.0%)	1	(0.5%)
No	87	(96.7%)	92	(92.9%)	179	(94.7%)
Yes	3	(3.3%)	6	(6.1%)	9	(4.8%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	0	(0.0%)	2	(2.2%)	2	(1.3%)
No	62	(96.9%)	83	(92.2%)	145	(94.2%)
Yes	2	(3.1%)	5	(5.6%)	7	(4.5%)
Total	64	(100.0%)	90	(100.0%)	154	(100.0%)
Week 24						
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)
No	70	(97.2%)	81	(90.0%)	151	(93.2%)
Yes	2	(2.8%)	8	(8.9%)	10	(6.2%)
Total	72	(100.0%)	90	(100.0%)	162	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 35 of 464Table 3: Neurogenic Bowel Dysfunction Score Questionnaire

Variable		ominal ssage	Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)
Flatus (wind) incontinence						
Pre-treatment						
Missing	1	(1.1%)	1	(1.0%)	2	(1.1%)
No	41	(45.6%)	36	(36.4%)	77	(40.7%)
Yes	48	(53.3%)	62	(62.6%)	110	(58.2%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)
No	23	(35.9%)	29	(32.2%)	52	(33.8%)
Yes	41	(64.1%)	60	(66.7%)	101	(65.6%)
Total	64	(100.0%)	90	(100.0%)	154	(100.0%)
Week 24						
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)
No	30	(41.7%)	35	(38.9%)	65	(40.1%)
Yes	42	(58.3%)	54	(60.0%)	96	(59.3%)
Total	72	(100.0%)	90	(100.0%)	162	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 36 of 464Table 3: Neurogenic Bowel Dysfunction Score Questionnaire

Variable	Abdominal Massage		Standard Care		Total	
	N	(%)	N	(%)	N	(%)
Perianal skin problems						
Pre-treatment						
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)
No	76	(84.4%)	73	(73.7%)	149	(78.8%)
Yes	13	(14.4%)	26	(26.3%)	39	(20.6%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)
No	50	(78.1%)	68	(75.6%)	118	(76.6%)
Yes	14	(21.9%)	21	(23.3%)	35	(22.7%)
Total	64	(100.0%)	90	(100.0%)	154	(100.0%)
Week 24						
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)
No	57	(79.2%)	73	(81.1%)	130	(80.2%)
Yes	15	(20.8%)	16	(17.8%)	31	(19.1%)
Total	72	(100.0%)	90	(100.0%)	162	(100.0%)
AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 37 of 464Table 3: Neurogenic Bowel Dysfunction Score Questionnaire

Variable		ominal ssage		Standard Care		Total	
	N	(%)	N	(%)	N	(%)	
Regular use of laxative drops or tablets							
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No regular use	41	(45.6%)	48	(48.5%)	89	(47.1%)	
Regular use of laxative drops or tablets	43	(47.8%)	47	(47.5%)	90	(47.6%)	
Regular use of both laxative drops and tablets	6	(6.7%)	4	(4.0%)	10	(5.3%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)	
No regular use	34	(53.1%)	48	(53.3%)	82	(53.2%)	
Regular use of laxative drops or tablets	27	(42.2%)	37	(41.1%)	64	(41.6%)	
Regular use of both laxative drops and tablets	3	(4.7%)	4	(4.4%)	7	(4.5%)	
Total	64	(100.0%)	90	(100.0%)	154	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No regular use	43	(59.7%)	51	(56.7%)	94	(58.0%)	
Regular use of laxative drops or	26	(36.1%)	35	(38.9%)	61	(37.7%)	
tablets							
Regular use of both laxative drops and tablets	3	(4.2%)	4	(4.4%)	7	(4.3%)	
Total	72	(100.0%)	90	(100.0%)	162	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 38 of 464 Table 4: Qualiveen Bladder Questionnaire

	Abdominal Massage	Standard Care	Total
Variable			
Total Qualiveen bladder score			
Pre-treatment			
Ν	90	99	189
Missing	0	0	0
Mean	1.8	2.0	1.9
SD	1.10	1.20	1.16
95%-LCL	1.56	1.74	1.72
95%-UCL	2.02	2.22	2.06
Minimum	0	0	0
Q1	0.9	1.0	1.0
Median	1.8	1.9	1.8
Q3	2.6	3.1	2.9
Maximum	4	4	4
Week 6			
Ν	61	85	146
Missing	0	2	2
Mean	1.7	2.1	2.0
SD	1.13	1.15	1.16
95%-LCL	1.43	1.88	1.77
95%-UCL	2.01	2.38	2.15
Minimum	0	0	0
Q1	0.8	1.1	1.0
Median	1.6	2.1	1.9
Q3	2.6	3.1	2.9
Maximum	4	4	4
Pre-treatment vs. Week 6			
Ν	61	85	146
Missing	29	14	43
Mean	0.1	0.2	0.1
SD	0.76	0.64	0.69
95%-LCL	-0.09	0.03	0.03
95%-UCL	0.30	0.31	0.26
Minimum	-2	-2	-2
Q1	-0.3	-0.1	-0.3
Median	0.0	0.1	0.1
Q3	0.6	0.5	0.6
Maximum	2	2	2

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	Abdominal Massage	Standard Care	Total
Variable			
Total Qualiveen bladder score			
Week 24			
Ν	57	81	138
Missing	1	2	3
Mean	1.7	2.1	1.9
SD	1.10	1.12	1.12
95%-LCL	1.44	1.83	1.75
95%-UCL	2.02	2.33	2.12
Minimum	0	0	0
Q1	0.8	1.3	1.0
Median	1.8	2.1	2.0
Q3	2.6	3.0	2.9
Maximum	4	4	4
Pre-treatment vs. Week 24			
Ν	57	81	138
Missing	33	18	51
Mean	0.1	0.1	0.1
SD	0.86	0.81	0.82
95%-LCL	-0.15	-0.11	-0.07
95%-UCL	0.30	0.24	0.21
Minimum	-3	-2	-3
Q1	-0.4	-0.4	-0.4
Median	0.0	0.0	0.0
Q3	0.4	0.5	0.5
Maximum	2	3	3

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	Abdominal Massage	Standard Care	Total
Variable	C		
Bother with limitations domain score			
Pre-treatment			
Ν	89	98	187
Missing	1	1	2
Mean	1.7	1.9	1.8
SD	1.26	1.36	1.31
95%-LCL	1.43	1.58	1.59
95%-UCL	1.96	2.13	1.97
Minimum	0	0	0
Q1	0.5	0.5	0.5
Median	1.5	1.5	1.5
Q3	3.0	3.0	3.0
Maximum	4	4	4
Week 6			
Ν	61	85	146
Missing	0	2	2
Mean	1.6	2.0	1.8
SD	1.28	1.30	1.30
95%-LCL	1.29	1.68	1.60
95%-UCL	1.94	2.24	2.03
Minimum	0	0	0
Q1	0.5	1.0	0.5
Median	1.0	2.0	1.5
Q3	3.0	3.0	3.0
Maximum	4	4	4
Pre-treatment vs. Week 6			
Ν	60	84	144
Missing	30	15	45
Mean	0.1	0.1	0.1
SD	1.06	0.81	0.92
95%-LCL	-0.19	-0.05	-0.04
95%-UCL	0.36	0.31	0.26
Minimum	-3	-3	-3
Q1	-0.5	-0.3	-0.5
Median	0.0	0.0	0.0
Q3	0.5	0.5	0.5
Maximum	3	3	3

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	Abdominal Massage	Standard Care	Total
Variable	C		
Bother with limitations domain score			
Week 24			
Ν	56	81	137
Missing	2	2	4
Mean	1.7	1.9	1.8
SD	1.19	1.26	1.23
95%-LCL	1.39	1.60	1.60
95%-UCL	2.03	2.16	2.02
Minimum	0	0	0
Q1	0.8	1.0	1.0
Median	1.5	2.0	2.0
Q3	2.5	3.0	3.0
Maximum	4	4	4
Pre-treatment vs. Week 24			
Ν	56	81	137
Missing	34	18	52
Mean	0.3	0.0	0.1
SD	0.98	0.83	0.90
95%-LCL	-0.00	-0.16	-0.03
95%-UCL	0.52	0.20	0.27
Minimum	-2	-2	-2
Q1	-0.5	-0.5	-0.5
Median	0.0	0.0	0.0
Q3	1.0	0.5	0.5
Maximum	3	3	3

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 42 of 464Table 4: Qualiveen Bladder Questionnaire

	Abdominal Massage	Standard Care	Total
Variable			
Fears domain score			
Pre-treatment			
Ν	90	99	189
Missing	0	0	0
Mean	1.8	2.0	1.9
SD	1.29	1.33	1.31
95%-LCL	1.56	1.73	1.73
95%-UCL	2.10	2.27	2.11
Minimum	0	0	0
Q1	1.0	1.0	1.0
Median	1.5	2.0	2.0
Q3	3.0	3.0	3.0
Maximum	4	4	4
Week 6			
Ν	61	85	146
Missing	0	2	2
Mean	1.8	2.3	2.1
SD	1.23	1.23	1.25
95%-LCL	1.46	1.99	1.85
95%-UCL	2.09	2.52	2.26
Minimum	0	0	0
Q1	1.0	1.5	1.0
Median	1.5	2.5	2.0
Q3	2.5	3.5	3.0
Maximum	4	4	4
Pre-treatment vs. Week 6			
Ν	61	85	146
Missing	29	14	43
Mean	0.1	0.3	0.2
SD	0.82	0.92	0.88
95%-LCL	-0.09	0.07	0.06
95%-UCL	0.33	0.47	0.35
Minimum	-3	-2	-3
Q1	0.0	0.0	0.0
Median	0.0	0.5	0.0
Q3	0.5	1.0	0.5
Maximum	3	3	3

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	Abdominal Massage	Standard Care	Total
Variable			
Fears domain score			
Week 24			
Ν	56	81	137
Missing	2	2	4
Mean	1.9	2.3	2.1
SD	1.23	1.20	1.23
95%-LCL	1.53	2.01	1.90
95%-UCL	2.19	2.54	2.31
Minimum	0	0	0
Q1	1.0	1.5	1.0
Median	2.0	2.5	2.0
Q3	2.8	3.0	3.0
Maximum	4	4	4
Pre-treatment vs. Week 24			
Ν	56	81	137
Missing	34	18	52
Mean	0.1	0.2	0.2
SD	1.04	1.17	1.12
95%-LCL	-0.18	-0.04	-0.02
95%-UCL	0.38	0.48	0.36
Minimum	-3	-3	-3
Q1	-0.5	-0.5	-0.5
Median	0.0	0.0	0.0
Q3	0.5	0.5	0.5
Maximum	3	4	4

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Confidential Page 44 of 464 Date 20JUN2017 Table 4: Qualiveen Bladder Questionnaire

	Abdominal Massage	Standard Care	Total
Variable			
Feeling domain score			
Pre-treatment			
Ν	90	99	189
Missing	0	0	0
Mean	1.8	1.9	1.9
SD	1.40	1.47	1.44
95%-LCL	1.51	1.63	1.66
95%-UCL	2.10	2.22	2.07
Minimum	0	0	0
Q1	0.5	0.5	0.5
Median	1.8	1.5	1.5
Q3	3.0	3.5	3.0
Maximum	4	4	4
Week 6			
Ν	61	85	146
Missing	0	2	2
Mean	1.6	2.1	1.9
SD	1.38	1.35	1.39
95%-LCL	1.21	1.84	1.67
95%-UCL	1.92	2.43	2.12
Minimum	0	0	0
Q1	0.5	1.0	0.5
Median	1.0	2.0	2.0
Q3	3.0	3.0	3.0
Maximum	4	4	4
Pre-treatment vs. Week 6			
Ν	61	85	146
Missing	29	14	43
Mean	-0.1	0.2	0.1
SD	0.94	0.93	0.95
95%-LCL	-0.34	0.01	-0.07
95%-UCL	0.14	0.41	0.24
Minimum	-3	-2	-3
Q1	-0.5	0.0	-0.5
Median	0.0	0.0	0.0
Q3	0.5	1.0	0.5
Maximum	3	3	3

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	Abdominal Massage	Standard Care	Total
Variable			
Feeling domain score			
Week 24			
Ν	57	81	138
Missing	1	2	3
Mean	1.8	2.0	1.9
SD	1.32	1.36	1.35
95%-LCL	1.41	1.69	1.67
95%-UCL	2.11	2.29	2.12
Minimum	0	0	0
Q1	1.0	1.0	1.0
Median	1.5	2.0	2.0
Q3	3.0	3.0	3.0
Maximum	4	4	4
Pre-treatment vs. Week 24			
Ν	57	81	138
Missing	33	18	51
Mean	0.1	0.0	0.1
SD	1.10	1.10	1.10
95%-LCL	-0.20	-0.22	-0.13
95%-UCL	0.39	0.27	0.24
Minimum	-4	-2	-4
Q1	-0.5	-0.5	-0.5
Median	0.0	0.0	0.0
Q3	1.0	0.5	0.5
Maximum	3	4	4

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	Abdominal Massage	Standard Care	Total
Variable	_		
Frequency of limitations domain score			
Pre-treatment			
Ν	90	99	189
Missing	0	0	0
Mean	1.8	2.1	2.0
SD	1.18	1.20	1.20
95%-LCL	1.57	1.87	1.80
95%-UCL	2.06	2.35	2.14
Minimum	0	0	0
Q1	1.0	1.0	1.0
Median	2.0	2.0	2.0
Q3	3.0	3.0	3.0
Maximum	4	4	4
Week 6			
Ν	60	85	145
Missing	1	2	3
Mean	2.0	2.2	2.1
SD	1.15	1.23	1.20
95%-LCL	1.65	1.90	1.88
95%-UCL	2.25	2.43	2.27
Minimum	0	0	0
Q1	1.0	1.5	1.5
Median	2.0	2.0	2.0
Q3	2.8	3.0	3.0
Maximum	4	4	4
Pre-treatment vs. Week 6			
Ν	60	85	145
Missing	30	14	44
Mean	0.3	0.1	0.2
SD	1.21	0.85	1.02
95%-LCL	0.02	-0.08	0.03
95%-UCL	0.65	0.28	0.36
Minimum	-3	-2	-3
Q1	-0.5	-0.5	-0.5
Median	0.0	0.0	0.0
Q3	1.0	0.5	1.0
Maximum	3	3	3

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	Abdominal Massage	Standard Care	Total
Variable	5		
Frequency of limitations domain score			
Week 24			
Ν	57	81	138
Missing	1	2	3
Mean	1.6	2.2	1.9
SD	1.29	1.21	1.27
95%-LCL	1.26	1.90	1.72
95%-UCL	1.95	2.44	2.15
Minimum	0	0	0
Q1	0.0	1.5	1.0
Median	1.5	2.5	2.0
Q3	2.5	3.0	3.0
Maximum	4	4	4
Pre-treatment vs. Week 24			
Ν	57	81	138
Missing	33	18	51
Mean	-0.1	0.0	-0.0
SD	1.25	1.01	1.11
95%-LCL	-0.41	-0.22	-0.22
95%-UCL	0.25	0.22	0.15
Minimum	-3	-4	-4
Q1	-1.0	-0.5	-0.5
Median	0.0	0.0	0.0
Q3	0.5	0.5	0.5
Maximum	4	3	4

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Table 4: Qualiveen Bladder Questionnaire

				ndard are	Total	
Variable	Ν	(%)	N	(%)	N	(%)
Do bladder problems complicate your life						
Pre-treatment						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Not at all	14	(15.6%)	16	(16.2%)	30	(15.9%)
Slightly	25	(27.8%)	20	(20.2%)	45	(23.8%)
Moderately	20	(22.2%)	23	(23.2%)	43	(22.8%)
Quite a bit	13	(14.4%)	15	(15.2%)	28	(14.8%)
Extremely	18	(20.0%)	25	(25.3%)	43	(22.8%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	0	(0.0%)	2	(2.3%)	2	(1.4%)
Not at all	8	(13.1%)	9	(10.3%)	17	(11.5%)
Slightly	20	(32.8%)	22	(25.3%)	42	(28.4%)
Moderately	12	(19.7%)	17	(19.5%)	29	(19.6%)
Quite a bit	13	(21.3%)	20	(23.0%)	33	(22.3%)
Extremely	8	(13.1%)	17	(19.5%)	25	(16.9%)
Total	61	(100.0%)	87	(100.0%)	148	(100.0%)
Week 24						
Missing	2	(3.4%)	2	(2.4%)	4	(2.8%)
Not at all	9	(15.5%)	10	(12.0%)	19	(13.5%)
Slightly	14	(24.1%)	15	(18.1%)	29	(20.6%)
Moderately	11	(19.0%)	22	(26.5%)	33	(23.4%)
Quite a bit	17	(29.3%)	19	(22.9%)	36	(25.5%)
Extremely	5	(8.6%)	15	(18.1%)	20	(14.2%)
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)

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	Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	Ν	(%)	N	(%)
Are you bothered by the time spen	t passing urine (or realizing cat	heteriza	tion?		
Pre-treatment						
Missing	1	(1.1%)	1	(1.0%)	2	(1.1%)
Not at all	29	(32.2%)	39	(39.4%)	68	(36.0%
Slightly	21	(23.3%)	13	(13.1%)	34	(18.0%
Moderately	15	(16.7%)	10	(10.1%)	25	(13.2%)
Quite a bit	17	(18.9%)	20	(20.2%)	37	(19.6%
Extremely	7	(7.8%)	16	(16.2%)	23	(12.2%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%
Week 6						
Missing	0	(0.0%)	2	(2.3%)	2	(1.4%
Not at all	25	(41.0%)	23	(26.4%)	48	(32.4%
Slightly	13	(21.3%)	19	(21.8%)	32	(21.6%
Moderately	6	(9.8%)	10	(11.5%)	16	(10.8%
Quite a bit	11	(18.0%)	22	(25.3%)	33	(22.3%
Extremely	6	(9.8%)	11	(12.6%)	17	(11.5%
Total	61	(100.0%)	87	(100.0%)	148	(100.0%
Week 24						
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%
Not at all	17	(29.3%)	29	(34.9%)	46	(32.6%
Slightly	13	(22.4%)	11	(13.3%)	24	(17.0%
Moderately	13	(22.4%)	12	(14.5%)	25	(17.7%
Quite a bit	11	(19.0%)	22	(26.5%)	33	(23.4%
Extremely	3	(5.2%)	7	(8.4%)	10	(7.1%
			~ ~	(100.0		

58

(100.0%)

83

(100.0%)

141

(100.0%)

Table 4: Qualiveen Bladder Questionnaire

Total

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Table 4: Qualiveen E	Bladder	Questionnaire
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		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Do you worry about your blad	der problems worse	ning					
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Not at all	15	(16.7%)	18	(18.2%)	33	(17.5%)	
Slightly	14	(15.6%)	10	(10.1%)	24	(12.7%)	
Moderately	18	(20.0%)	17	(17.2%)	35	(18.5%)	
Quite a bit	21	(23.3%)	21	(21.2%)	42	(22.2%)	
Extremely	22	(24.4%)	33	(33.3%)	55	(29.1%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	2	(2.3%)	2	(1.4%)	
Not at all	10	(16.4%)	8	(9.2%)	18	(12.2%)	
Slightly	11	(18.0%)	12	(13.8%)	23	(15.5%)	
Moderately	13	(21.3%)	15	(17.2%)	28	(18.9%)	
Quite a bit	12	(19.7%)	19	(21.8%)	31	(20.9%)	
Extremely	15	(24.6%)	31	(35.6%)	46	(31.1%)	
Total	61	(100.0%)	87	(100.0%)	148	(100.0%)	
Week 24							
Missing	2	(3.4%)	2	(2.4%)	4	(2.8%)	
Not at all	8	(13.8%)	5	(6.0%)	13	(9.2%)	
Slightly	10	(17.2%)	14	(16.9%)	24	(17.0%)	
Moderately	9	(15.5%)	9	(10.8%)	18	(12.8%)	
Quite a bit	15	(25.9%)	28	(33.7%)	43	(30.5%)	
Extremely	14	(24.1%)	25	(30.1%)	39	(27.7%)	
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)	

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· · ·	Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Do you worry about smelling of urine						
Pre-treatment						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Not at all	35	(38.9%)	35	(35.4%)	70	(37.0%)
Slightly	19	(21.1%)	18	(18.2%)	37	(19.6%)
Moderately	10	(11.1%)	15	(15.2%)	25	(13.2%)
Quite a bit	14	(15.6%)	15	(15.2%)	29	(15.3%)
Extremely	12	(13.3%)	16	(16.2%)	28	(14.8%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	0	(0.0%)	2	(2.3%)	2	(1.4%)
Not at all	21	(34.4%)	18	(20.7%)	39	(26.4%)
Slightly	19	(31.1%)	20	(23.0%)	39	(26.4%)
Moderately	6	(9.8%)	18	(20.7%)	24	(16.2%)
Quite a bit	8	(13.1%)	12	(13.8%)	20	(13.5%)
Extremely	7	(11.5%)	17	(19.5%)	24	(16.2%)
Total	61	(100.0%)	87	(100.0%)	148	(100.0%)
Week 24						
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%)
Not at all	20	(34.5%)	16	(19.3%)	36	(25.5%)
Slightly	15	(25.9%)	22	(26.5%)	37	(26.2%)
Moderately	7	(12.1%)	12	(14.5%)	19	(13.5%)
Quite a bit	7	(12.1%)	17	(20.5%)	24	(17.0%)
Extremely	8	(13.8%)	14	(16.9%)	22	(15.6%)
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)

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Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Do you worry because of your	bladder problems						
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Not at all	21	(23.3%)	21	(21.2%)	42	(22.2%)	
Slightly	17	(18.9%)	23	(23.2%)	40	(21.2%)	
Moderately	20	(22.2%)	14	(14.1%)	34	(18.0%)	
Quite a bit	18	(20.0%)	16	(16.2%)	34	(18.0%)	
Extremely	14	(15.6%)	25	(25.3%)	39	(20.6%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	2	(2.3%)	2	(1.4%)	
Not at all	16	(26.2%)	12	(13.8%)	28	(18.9%)	
Slightly	17	(27.9%)	18	(20.7%)	35	(23.6%)	
Moderately	8	(13.1%)	13	(14.9%)	21	(14.2%)	
Quite a bit	12	(19.7%)	22	(25.3%)	34	(23.0%)	
Extremely	8	(13.1%)	20	(23.0%)	28	(18.9%)	
Total	61	(100.0%)	87	(100.0%)	148	(100.0%)	
Week 24							
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%)	
Not at all	10	(17.2%)	15	(18.1%)	25	(17.7%)	
Slightly	18	(31.0%)	17	(20.5%)	35	(24.8%)	
Moderately	8	(13.8%)	17	(20.5%)	25	(17.7%)	
Quite a bit	14	(24.1%)	17	(20.5%)	31	(22.0%)	
Extremely	7	(12.1%)	15	(18.1%)	22	(15.6%)	
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)	

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Table 4: Qualiveen Bladder Question	naire
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		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Do you feel embarrassed becau	use of your bladder	problems?					
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Not at all	27	(30.0%)	27	(27.3%)	54	(28.6%)	
Slightly	17	(18.9%)	23	(23.2%)	40	(21.2%)	
Moderately	13	(14.4%)	12	(12.1%)	25	(13.2%)	
Quite a bit	17	(18.9%)	13	(13.1%)	30	(15.9%)	
Extremely	16	(17.8%)	24	(24.2%)	40	(21.2%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	2	(2.3%)	2	(1.4%)	
Not at all	22	(36.1%)	16	(18.4%)	38	(25.7%)	
Slightly	15	(24.6%)	19	(21.8%)	34	(23.0%)	
Moderately	7	(11.5%)	14	(16.1%)	21	(14.2%)	
Quite a bit	7	(11.5%)	18	(20.7%)	25	(16.9%)	
Extremely	10	(16.4%)	18	(20.7%)	28	(18.9%)	
Total	61	(100.0%)	87	(100.0%)	148	(100.0%)	
Week 24							
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%)	
Not at all	13	(22.4%)	14	(16.9%)	27	(19.1%)	
Slightly	18	(31.0%)	24	(28.9%)	42	(29.8%)	
Moderately	9	(15.5%)	10	(12.0%)	19	(13.5%)	
Quite a bit	7	(12.1%)	16	(19.3%)	23	(16.3%)	
Extremely	10	(17.2%)	17	(20.5%)	27	(19.1%)	
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)	

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Table 4: Qualiveen Bladder Questionnaire

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Is your life regulated by your bla	dder problems						
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	22	(24.4%)	22	(22.2%)	44	(23.3%)	
Rarely	11	(12.2%)	14	(14.1%)	25	(13.2%)	
From time to time	26	(28.9%)	21	(21.2%)	47	(24.9%)	
Often	21	(23.3%)	21	(21.2%)	42	(22.2%)	
Always	10	(11.1%)	21	(21.2%)	31	(16.4%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	2	(2.3%)	2	(1.4%)	
Never	19	(31.1%)	14	(16.1%)	33	(22.3%)	
Rarely	12	(19.7%)	14	(16.1%)	26	(17.6%)	
From time to time	9	(14.8%)	19	(21.8%)	28	(18.9%)	
Often	13	(21.3%)	20	(23.0%)	33	(22.3%)	
Always	8	(13.1%)	18	(20.7%)	26	(17.6%)	
Total	61	(100.0%)	87	(100.0%)	148	(100.0%)	
Week 24							
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%)	
Never	18	(31.0%)	13	(15.7%)	31	(22.0%)	
Rarely	8	(13.8%)	9	(10.8%)	17	(12.1%)	
From time to time	12	(20.7%)	20	(24.1%)	32	(22.7%)	
Often	10	(17.2%)	24	(28.9%)	34	(24.1%)	
Always	9	(15.5%)	15	(18.1%)	24	(17.0%)	
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)	

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		ominal ssage	Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Can you go out without planning	anything in adva	nce				
Pre-treatment						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Always	23	(25.6%)	19	(19.2%)	42	(22.2%)
Often	26	(28.9%)	16	(16.2%)	42	(22.2%)
From time to time	7	(7.8%)	19	(19.2%)	26	(13.8%)
Rarely	15	(16.7%)	20	(20.2%)	35	(18.5%)
Never	19	(21.1%)	25	(25.3%)	44	(23.3%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	1	(1.6%)	2	(2.3%)	3	(2.0%)
Always	12	(19.7%)	16	(18.4%)	28	(18.9%)
Often	9	(14.8%)	17	(19.5%)	26	(17.6%)
From time to time	9	(14.8%)	12	(13.8%)	21	(14.2%)
Rarely	14	(23.0%)	17	(19.5%)	31	(20.9%)
Never	16	(26.2%)	23	(26.4%)	39	(26.4%)
Total	61	(100.0%)	87	(100.0%)	148	(100.0%)
Week 24						
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%)
Always	21	(36.2%)	14	(16.9%)	35	(24.8%)
Often	9	(15.5%)	16	(19.3%)	25	(17.7%)
From time to time	9	(15.5%)	16	(19.3%)	25	(17.7%)
Rarely	14	(24.1%)	17	(20.5%)	31	(22.0%)
Never	4	(6.9%)	18	(21.7%)	22	(15.6%)
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 56 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable			
How often did you pass stool?			
Pre-treatment			
Ν	88	98	186
Missing	0	0	0
Mean	3.9	4.0	3.9
SD	1.68	1.74	1.71
Minimum	0	0	0
Median	4.0	4.0	4.0
Maximum	7	7	7
Neek 1			
Ν	69	89	158
Missing	0	0	0
Mean	4.2	4.0	4.1
SD	1.65	1.80	1.73
Minimum	1	0	0
Median	4.0	4.0	4.0
Maximum	7	7	7
Pre-treatment vs. Week 1			
Ν	68	88	156
Missing	21	11	32
Mean	0.4	-0.1	0.1
SD	1.58	1.66	1.64
Minimum	-3	-7	-7
Median	0.0	0.0	0.0
Maximum	6	5	6

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 57 of 464Table 5: Bowel Diary

	Abdominal		
	Massage	Standard Care	Total
Variable			
How often did you pass stool?			
Week 2			
Ν	69	88	157
Missing	0	0	0
Mean	4.2	3.9	4.1
SD	1.58	1.93	1.78
Minimum	1	0	0
Median	4.0	4.0	4.0
Maximum	7	7	7
Pre-treatment vs. Week 2			
Ν	68	87	155
Missing	21	12	33
Mean	0.4	-0.2	0.1
SD	1.47	1.95	1.78
Minimum	-3	-7	-7
Median	0.0	0.0	0.0
Maximum	6	6	6
Week 3			
Ν	69	88	157
Missing	0	0	0
Mean	4.2	4.2	4.2
SD	1.97	1.83	1.89
Minimum	0	1	C
Median	4.0	4.0	4.0
Maximum	7	7	7
Pre-treatment vs. Week 3			
Ν	68	87	155
Missing	21	12	33
Mean	0.4	0.0	0.2
SD	1.95	1.75	1.85
Minimum	-5	-6	-6
Median	0.5	0.0	0.0
Maximum	6	5	6

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 58 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable			
How often did you pass stool?			
Week 4			
Ν	68	89	157
Missing	0	0	0
Mean	4.2	4.0	4.1
SD	1.69	1.77	1.73
Minimum	1	0	0
Median	4.0	4.0	4.0
Maximum	7	7	7
Pre-treatment vs. Week 4			
Ν	67	88	155
Missing	22	11	33
Mean	0.3	-0.1	0.1
SD	1.63	1.82	1.75
Minimum	-2	-7	-7
Median	0.0	0.0	0.0
Maximum	6	5	6
Week 5			
Ν	68	89	157
Missing	0	0	0
Mean	4.4	4.0	4.1
SD	1.46	1.90	1.73
Minimum	2	0	0
Median	4.0	4.0	4.0
Maximum	7	7	7
Pre-treatment vs. Week 5			
Ν	67	88	155
Missing	22	11	33
Mean	0.5	-0.1	0.1
SD	1.28	1.80	1.62
Minimum	-2	-7	-7
Median	0.0	0.0	0.0
Maximum	5	6	6

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 59 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable			
How often did you pass stool?			
Week 6			
Ν	68	89	157
Missing	0	0	0
Mean	4.3	3.9	4.1
SD	1.87	1.81	1.84
Minimum	1	0	0
Median	4.5	3.0	4.0
Maximum	7	7	7
Pre-treatment vs. Week 6			
Ν	67	88	155
Missing	22	11	33
Mean	0.5	-0.2	0.1
SD	1.55	1.64	1.63
Minimum	-4	-6	-6
Median	0.0	0.0	0.0
Maximum	6	6	6
Week 23			
Ν	57	81	138
Missing	0	0	0
Mean	4.3	3.9	4.0
SD	1.88	1.89	1.89
Minimum	0	0	0
Median	4.0	4.0	4.0
Maximum	7	7	7
Pre-treatment vs. Week 23			
Ν	56	80	136
Missing	33	19	52
Mean	0.4	-0.2	0.0
SD	1.79	1.62	1.71
Minimum	-4	-4	-4
Median	0.0	0.0	0.0
Maximum	5	3	5

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 60 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable	C C		
Attempts to pass stool [no/week] (yes/no)			
Pre-treatment			
Ν	86	91	177
Missing	2	7	9
Mean	10.4	8.6	9.5
SD	6.73	5.22	6.06
Minimum	0	0	0
Median	9.0	8.0	9.0
Maximum	35	32	35
Week 1			
Ν	68	87	155
Missing	1	2	3
Mean	10.7	8.4	9.4
SD	6.43	5.15	5.84
Minimum	1	1	1
Median	10.0	7.0	8.0
Maximum	32	34	34
Pre-treatment vs. Week 1			
Ν	66	83	149
Missing	23	16	39
Mean	-0.4	-0.2	-0.3
SD	4.81	4.08	4.41
Minimum	-13	-14	-14
Median	0.0	0.0	0.0
Maximum	9	12	12

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 61 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable	8		
Attempts to pass stool [no/week] (yes/no)			
Week 2			
Ν	67	86	153
Missing	2	2	4
Mean	11.2	9.2	10.0
SD	7.06	6.38	6.74
Minimum	1	1	1
Median	9.0	8.0	8.0
Maximum	39	40	40
Pre-treatment vs. Week 2			
Ν	65	82	147
Missing	24	17	41
Mean	0.1	0.6	0.4
SD	5.36	6.40	5.95
Minimum	-14	-15	-15
Median	0.0	0.0	0.0
Maximum	13	30	30
Week 3			
Ν	65	88	153
Missing	4	0	4
Mean	10.9	9.1	9.9
SD	6.86	6.03	6.43
Minimum	1	1	1
Median	9.0	7.0	8.0
Maximum	37	33	37
Pre-treatment vs. Week 3			
Ν	63	84	147
Missing	26	15	41
Mean	-0.5	0.6	0.1
SD	6.10	5.71	5.88
Minimum	-13	-14	-14
Median	0.0	0.0	0.0
Maximum	12	26	26

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 62 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable	8		
Attempts to pass stool [no/week] (yes/no)			
Week 4			
Ν	68	88	156
Missing	0	1	1
Mean	11.3	9.4	10.3
SD	6.96	8.30	7.78
Minimum	1	1	1
Median	9.0	8.5	9.0
Maximum	33	72	72
Pre-treatment vs. Week 4			
Ν	65	84	149
Missing	24	15	39
Mean	0.1	1.0	0.6
SD	6.76	7.96	7.45
Minimum	-15	-14	-15
Median	0.0	0.0	0.0
Maximum	22	59	59
Week 5			
Ν	66	85	151
Missing	2	4	6
Mean	10.8	9.2	9.9
SD	6.86	6.30	6.58
Minimum	2	2	2
Median	9.0	8.0	8.0
Maximum	34	42	42
Pre-treatment vs. Week 5			
Ν	63	81	144
Missing	26	18	44
Mean	-0.3	0.5	0.1
SD	6.37	5.92	6.12
Minimum	-15	-13	-15
Median	0.0	-1.0	0.0
Maximum	15	29	29

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 63 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable	0		
Attempts to pass stool [no/week] (yes/no)			
Week 6			
Ν	65	88	153
Missing	3	1	4
Mean	11.3	8.9	10.0
SD	7.31	6.00	6.67
Minimum	2	1	1
Median	9.0	8.0	8.0
Maximum	32	32	32
Pre-treatment vs. Week 6			
Ν	62	84	146
Missing	27	15	42
Mean	0.2	0.4	0.3
SD	6.55	5.74	6.08
Minimum	-19	-15	-19
Median	0.0	0.0	0.0
Maximum	20	22	22
Week 23			
Ν	53	77	130
Missing	4	4	8
Mean	10.7	8.3	9.3
SD	7.16	5.09	6.11
Minimum	1	1	1
Median	10.0	7.0	8.0
Maximum	43	23	43
Pre-treatment vs. Week 23			
Ν	52	75	127
Missing	37	24	61
Mean	-0.9	-0.5	-0.7
SD	6.89	6.43	6.60
Minimum	-15	-25	-25
Median	-2.0	-1.0	-1.0
Maximum	26	16	26

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 64 of 464Table 5: Bowel Diary

		ominal ssage		ndard are	T	otal
Variable	N	(%)	N	(%)	N	(%)
Stool type						
Pre-treatment						
Missing	14	(2.3%)	26	(3.8%)	40	(3.1%)
Type 1: Separate hard lumps, like nuts (hard to pass)	72	(11.7%)	71	(10.4%)	143	(11.0%)
Type 2: Sausage-shaped, but lumpy	62	(10.1%)	58	(8.5%)	120	(9.2%)
Type 3: Like a sausage but with cracks on its surface	62	(10.1%)	63	(9.2%)	125	(9.6%)
Type 4: Like a sausage or snake, smooth and soft	62	(10.1%)	57	(8.3%)	119	(9.2%)
Type 5: Soft blobs with clear cut edges (passed easily)	48	(7.8%)	62	(9.1%)	110	(8.5%)
Type 6: Fluffy pieces with ragged edges, a mushy stool	38	(6.2%)	61	(8.9%)	99	(7.6%)
Type 7: Watery, no solid pieces, entirely liquid	13	(2.1%)	11	(1.6%)	24	(1.8%)
No stool passed	245	(39.8%)	274	(40.1%)	519	(40.0%)
Total	616	(100.0%)	683	(100.0%)	1299	(100.0%)
Week 1						
Missing	10	(2.1%)	26	(4.2%)	36	(3.3%)
Type 1: Separate hard lumps, like nuts (hard to pass)	61	(12.6%)	62	(10.1%)	123	(11.2%)
Type 2: Sausage-shaped, but lumpy	75	(15.5%)	52	(8.5%)	127	(11.6%)
Type 3: Like a sausage but with cracks on its surface	52	(10.8%)	68	(11.1%)	120	(10.9%)
Type 4: Like a sausage or snake, smooth and soft	47	(9.7%)	58	(9.4%)	105	(9.6%)
Type 5: Soft blobs with clear cut edges (passed easily)	32	(6.6%)	57	(9.3%)	89	(8.1%)
Type 6: Fluffy pieces with ragged edges, a mushy stool	26	(5.4%)	42	(6.8%)	68	(6.2%)
Type 7: Watery, no solid pieces, entirely liquid	0	(0.0%)	16	(2.6%)	16	(1.5%)
No stool passed	180	(37.3%)	233	(37.9%)	413	(37.6%)
Total	483	(100.0%)	614	(100.0%)	1097	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 65 of 464Table 5: Bowel Diary

		ominal ssage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)	
Stool type							
Week 2							
Missing	12	(2.5%)	21	(3.4%)	33	(3.0%)	
Type 1: Separate hard lumps, like nuts (hard to pass)	64	(13.3%)	69	(11.3%)	133	(12.2%)	
Type 2: Sausage-shaped, but lumpy	64	(13.3%)	54	(8.8%)	118	(10.8%)	
Type 3: Like a sausage but with cracks on its surface	57	(11.8%)	67	(11.0%)	124	(11.3%)	
Type 4: Like a sausage or snake, smooth and soft	49	(10.1%)	59	(9.7%)	108	(9.9%)	
Type 5: Soft blobs with clear cut edges (passed easily)	37	(7.7%)	49	(8.0%)	86	(7.9%)	
Type 6: Fluffy pieces with ragged edges, a mushy stool	24	(5.0%)	44	(7.2%)	68	(6.2%)	
Type 7: Watery, no solid pieces, entirely liquid	4	(0.8%)	9	(1.5%)	13	(1.2%)	
No stool passed	172	(35.6%)	239	(39.1%)	411	(37.6%)	
Total	483	(100.0%)	611	(100.0%)	1094	(100.0%)	
Week 3							
Missing	12	(2.5%)	18	(2.9%)	30	(2.7%)	
Type 1: Separate hard lumps, like nuts (hard to pass)	38	(7.9%)	77	(12.5%)	115	(10.5%)	
Type 2: Sausage-shaped, but lumpy	72	(14.9%)	65	(10.6%)	137	(12.5%)	
Type 3: Like a sausage but with cracks on its surface	48	(9.9%)	78	(12.7%)	126	(11.5%)	
Type 4: Like a sausage or snake, smooth and soft	56	(11.6%)	45	(7.3%)	101	(9.2%)	
Type 5: Soft blobs with clear cut edges (passed easily)	51	(10.6%)	51	(8.3%)	102	(9.3%)	
Type 6: Fluffy pieces with ragged edges, a mushy stool	23	(4.8%)	47	(7.6%)	70	(6.4%)	
Type 7: Watery, no solid pieces, entirely liquid	4	(0.8%)	12	(1.9%)	16	(1.5%)	
No stool passed	179	(37.1%)	223	(36.2%)	402	(36.6%)	
Total	483	(100.0%)	616	(100.0%)	1099	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 66 of 464Table 5: Bowel Diary

		ominal ssage	Standard Care		T	Total	
Variable	N	(%)	N	(%)	N	(%)	
Stool type							
Week 4							
Missing	10	(2.1%)	12	(1.9%)	22	(2.0%)	
Type 1: Separate hard lumps, like nuts (hard to pass)	37	(7.8%)	71	(11.4%)	108	(9.8%)	
Type 2: Sausage-shaped, but lumpy	57	(12.0%)	61	(9.8%)	118	(10.7%)	
Type 3: Like a sausage but with cracks on its surface	59	(12.4%)	85	(13.6%)	144	(13.1%)	
Type 4: Like a sausage or snake, smooth and soft	64	(13.4%)	56	(9.0%)	120	(10.9%)	
Type 5: Soft blobs with clear cut edges (passed easily)	41	(8.6%)	46	(7.4%)	87	(7.9%)	
Type 6: Fluffy pieces with ragged edges, a mushy stool	27	(5.7%)	43	(6.9%)	70	(6.4%)	
Type 7: Watery, no solid pieces, entirely liquid	7	(1.5%)	7	(1.1%)	14	(1.3%)	
No stool passed	174	(36.6%)	242	(38.8%)	416	(37.9%)	
Total	476	(100.0%)	623	(100.0%)	1099	(100.0%)	
Week 5							
Missing	14	(2.9%)	13	(2.1%)	27	(2.5%)	
Type 1: Separate hard lumps, like nuts (hard to pass)	34	(7.2%)	74	(12.0%)	108	(9.9%)	
Type 2: Sausage-shaped, but lumpy	77	(16.2%)	55	(8.9%)	132	(12.1%)	
Type 3: Like a sausage but with cracks on its surface	54	(11.4%)	84	(13.6%)	138	(12.6%)	
Type 4: Like a sausage or snake, smooth and soft	59	(12.4%)	54	(8.8%)	113	(10.3%)	
Type 5: Soft blobs with clear cut edges (passed easily)	47	(9.9%)	52	(8.4%)	99	(9.1%)	
Type 6: Fluffy pieces with ragged edges, a mushy stool	21	(4.4%)	38	(6.2%)	59	(5.4%)	
Type 7: Watery, no solid pieces, entirely liquid	3	(0.6%)	5	(0.8%)	8	(0.7%)	
No stool passed	166	(34.9%)	242	(39.2%)	408	(37.4%)	
Total	475	(100.0%)	617	(100.0%)	1092	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 67 of 464Table 5: Bowel Diary

		ominal ssage	Standard Care		Т	Total	
Variable	N	(%)	Ν	(%)	N	(%)	
Stool type							
Week 6							
Missing	6	(1.3%)	15	(2.4%)	21	(1.9%)	
Type 1: Separate hard lumps, like nuts (hard to pass)	43	(9.2%)	68	(11.0%)	111	(10.2%)	
Type 2: Sausage-shaped, but lumpy	62	(13.2%)	58	(9.4%)	120	(11.0%)	
Type 3: Like a sausage but with cracks on its surface	71	(15.2%)	65	(10.5%)	136	(12.5%)	
Type 4: Like a sausage or snake, smooth and soft	69	(14.7%)	81	(13.1%)	150	(13.8%)	
Type 5: Soft blobs with clear cut edges (passed easily)	37	(7.9%)	41	(6.6%)	78	(7.2%)	
Type 6: Fluffy pieces with ragged edges, a mushy stool	12	(2.6%)	38	(6.1%)	50	(4.6%)	
Type 7: Watery, no solid pieces, entirely liquid	4	(0.9%)	12	(1.9%)	16	(1.5%)	
No stool passed	164	(35.0%)	240	(38.8%)	404	(37.2%)	
Total	468	(100.0%)	618	(100.0%)	1086	(100.0%)	
Week 23							
Missing	20	(5.2%)	31	(5.7%)	51	(5.5%)	
Type 1: Separate hard lumps, like nuts (hard to pass)	27	(7.1%)	46	(8.4%)	73	(7.9%)	
Type 2: Sausage-shaped, but lumpy	62	(16.3%)	50	(9.1%)	112	(12.1%)	
Type 3: Like a sausage but with cracks on its surface	43	(11.3%)	52	(9.5%)	95	(10.2%)	
Type 4: Like a sausage or snake, smooth and soft	48	(12.6%)	73	(13.3%)	121	(13.0%)	
Type 5: Soft blobs with clear cut edges (passed easily)	40	(10.5%)	34	(6.2%)	74	(8.0%)	
Type 6: Fluffy pieces with ragged edges, a mushy stool	18	(4.7%)	26	(4.7%)	44	(4.7%)	
Type 7: Watery, no solid pieces, entirely liquid	1	(0.3%)	9	(1.6%)	10	(1.1%)	
No stool passed	122	(32.0%)	227	(41.4%)	349	(37.6%)	
Total	381	(100.0%)	548	(100.0%)	929	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 68 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable			
Stools passed / week [No.] (stooltype)			
Pre-treatment			
Ν	88	98	186
Missing	0	0	0
Mean	4.1	3.9	4.0
SD	1.85	1.84	1.84
Minimum	0	0	0
Median	4.0	4.0	4.0
Maximum	7	7	7
Week 1			
Ν	69	89	158
Missing	0	0	0
Mean	4.2	4.0	4.1
SD	1.67	1.81	1.75
Minimum	1	0	0
Median	4.0	4.0	4.0
Maximum	7	7	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 69 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable			
Stools passed / week [No.] (stooltype)			
Week 2			
Ν	69	88	157
Missing	0	0	0
Mean	4.3	4.0	4.1
SD	1.66	1.96	1.83
Minimum	1	0	0
Median	4.0	4.0	4.0
Maximum	7	7	7
Week 3			
Ν	69	88	157
Missing	0	0	0
Mean	4.2	4.3	4.2
SD	2.02	1.86	1.92
Minimum	0	0	0
Median	4.0	4.0	4.0
Maximum	7	7	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 70 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable			
Stools passed / week [No.] (stooltype)			
Week 4			
Ν	68	89	157
Missing	0	0	0
Mean	4.3	4.1	4.2
SD	1.72	1.84	1.78
Minimum	1	0	0
Median	4.0	4.0	4.0
Maximum	7	7	7
Week 5			
Ν	68	89	157
Missing	0	0	0
Mean	4.3	4.1	4.2
SD	1.51	1.98	1.79
Minimum	1	0	0
Median	4.0	4.0	4.0
Maximum	7	7	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 71 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable			
Stools passed / week [No.] (stooltype)			
Week 6			
Ν	68	89	157
Missing	0	0	0
Mean	4.4	4.1	4.2
SD	1.88	1.94	1.92
Minimum	1	0	0
Median	4.5	4.0	4.0
Maximum	7	7	7
Week 23			
Ν	57	81	138
Missing	0	0	0
Mean	4.2	3.6	3.8
SD	1.99	2.11	2.08
Minimum	0	0	0
Median	4.0	3.0	4.0
Maximum	7	7	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 72 of 464Table 5: Bowel Diary

	Abdominal	Standard Care	Total		
Variable	Massage				
How often did you feel you emptied your bowels?					
Pre-treatment					
Ν	88	98	186		
Missing	0	0	0		
Mean	1.9	1.8	1.9		
SD	2.00	1.73	1.86		
Minimum	0	0	0		
Median	2.0	2.0	2.0		
Maximum	7	6	7		
Week 1					
Ν	69	89	158		
Missing	0	0	0		
Mean	2.2	1.9	2.0		
SD	1.95	1.75	1.84		
Minimum	0	0	0		
Median	2.0	1.0	2.0		
Maximum	7	6	7		
Pre-treatment vs. Week 1					
Ν	68	88	156		
Missing	21	11	32		
Mean	0.4	-0.0	0.2		
SD	1.44	1.69	1.60		
Minimum	-3	-5	-5		
Median	0.0	0.0	0.0		
Maximum	5	4	5		
AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 73 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable	mussuge		I Otur
How often did you feel you empt	ied your bowels?		
Week 2			
Ν	69	88	157
Missing	0	0	0
Mean	2.1	2.0	2.1
SD	1.92	1.89	1.90
Minimum	0	0	0
Median	2.0	1.5	2.0
Maximum	7	7	7
Pre-treatment vs. Week 2			
Ν	68	87	155
Missing	21	12	33
Mean	0.4	0.0	0.2
SD	1.26	1.90	1.65
Minimum	-3	-5	-5
Median	0.0	0.0	0.0
Maximum	4	6	6
Week 3			
Ν	69	88	157
Missing	0	0	0
Mean	2.5	2.0	2.2
SD	2.08	1.71	1.89
Minimum	0	0	0
Median	2.0	2.0	2.0
Maximum	7	7	7
Pre-treatment vs. Week 3			
Ν	68	87	155
Missing	21	12	33
Mean	0.7	-0.0	0.3
SD	1.59	1.88	1.79
Minimum	-3	-5	-5
Median	0.0	0.0	0.0
Maximum	5	5	5

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 74 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable			
How often did you feel you emptie	d your bowels?		
Week 4			
Ν	68	89	157
Missing	0	0	0
Mean	2.7	2.2	2.4
SD	2.39	2.03	2.20
Minimum	0	0	0
Median	2.0	2.0	2.0
Maximum	7	7	7
Pre-treatment vs. Week 4			
Ν	67	88	155
Missing	22	11	33
Mean	0.9	0.2	0.5
SD	2.00	2.06	2.06
Minimum	-2	-5	-5
Median	0.0	0.0	0.0
Maximum	7	6	7
Week 5			
Ν	68	89	157
Missing	0	0	0
Mean	2.7	2.2	2.4
SD	2.20	2.03	2.11
Minimum	0	0	0
Median	2.5	2.0	2.0
Maximum	7	7	7
Pre-treatment vs. Week 5			
Ν	67	88	155
Missing	22	11	33
Mean	0.9	0.2	0.5
SD	1.98	2.05	2.04
Minimum	-3	-5	-5
Median	0.0	0.0	0.0
Maximum	6	7	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 75 of 464Table 5: Bowel Diary

	Abdominal		
	Massage	Standard Care	Total
Variable			
How often did you feel you emptie	d your bowels?		
Week 6			
Ν	68	89	157
Missing	0	0	0
Mean	2.6	2.2	2.4
SD	2.20	2.02	2.10
Minimum	0	0	0
Median	2.0	2.0	2.0
Maximum	7	7	7
Pre-treatment vs. Week 6			
Ν	67	88	155
Missing	22	11	33
Mean	0.8	0.2	0.5
SD	1.62	2.07	1.90
Minimum	-2	-5	-5
Median	1.0	0.0	0.0
Maximum	6	6	6
Week 23			
Ν	57	81	138
Missing	0	0	0
Mean	3.0	2.2	2.6
SD	2.32	2.14	2.24
Minimum	0	0	0
Median	3.0	2.0	2.0
Maximum	7	7	7
Pre-treatment vs. Week 23			
Ν	56	80	136
Missing	33	19	52
Mean	1.2	0.3	0.7
SD	2.40	1.90	2.16
Minimum	-7	-5	-7
Median	1.0	0.0	0.0
Maximum	7	5	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 76 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable			
Time spent on the toilet [min/week]			
Pre-treatment			
Ν	80	87	167
Missing	8	11	19
Mean	75.6	75.8	75.7
SD	69.60	74.36	71.90
Minimum	3	3	3
Median	57.5	55.0	55.0
Maximum	330	370	370
Neek 1			
Ν	67	87	154
Missing	2	2	4
Mean	81.9	75.0	78.0
SD	79.56	72.43	75.44
Minimum	4	1	1
Median	60.0	55.0	56.0
Maximum	405	480	480
Pre-treatment vs. Week 1			
Ν	61	81	142
Missing	28	18	46
Mean	-2.0	-0.4	-1.1
SD	39.46	64.77	55.17
Minimum	-105	-275	-275
Median	0.0	0.0	0.0
Maximum	100	374	374

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 77 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable			
Time spent on the toilet [min/week]			
Week 2			
Ν	68	84	152
Missing	1	4	5
Mean	91.2	81.3	85.8
SD	104.99	86.54	95.04
Minimum	3	5	3
Median	59.0	50.0	51.5
Maximum	595	430	595
Pre-treatment vs. Week 2			
N	62	78	140
Missing	27	21	48
Mean	10.7	5.6	7.9
SD	79.82	66.02	72.23
Minimum	-150	-320	-320
Median	-1.5	0.0	0.0
Maximum	420	319	420
Week 3			
Ν	68	82	150
Missing	1	6	7
Mean	80.3	73.8	76.7
SD	84.08	75.32	79.21
Minimum	5	9	5
Median	61.5	52.5	57.5
Maximum	501	460	501
Pre-treatment vs. Week 3			
Ν	62	79	141
Missing	27	20	47
Mean	-1.0	-2.5	-1.8
SD	60.46	66.03	63.42
Minimum	-162	-275	-275
Median	1.0	-4.0	-3.0
Maximum	230	354	354

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 78 of 464Table 5: Bowel Diary

	Abdominal	Standard Care	Total
Variable	Massage	Stanuaru Care	Totai
Time spent on the toilet [min/week]			
Week 4			
Ν	67	85	152
Missing	1	4	5
Mean	81.2	78.7	79.8
SD	79.24	70.50	74.23
Minimum	7	9	7
Median	53.0	55.0	55.0
Maximum	440	285	440
Pre-treatment vs. Week 4			
Ν	61	80	141
Missing	28	19	47
Mean	2.1	4.0	3.1
SD	51.82	43.69	47.21
Minimum	-120	-130	-130
Median	0.0	2.5	1.0
Maximum	160	174	174
Week 5			
Ν	63	85	148
Missing	5	4	9
Mean	83.3	78.0	80.2
SD	81.74	77.63	79.18
Minimum	4	0	0
Median	55.0	60.0	56.5
Maximum	315	405	405
Pre-treatment vs. Week 5			
Ν	59	80	139
Missing	30	19	49
Mean	5.4	2.1	3.5
SD	57.75	61.00	59.46
Minimum	-155	-295	-295
Median	0.0	0.0	0.0
Maximum	155	294	294

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 79 of 464Table 5: Bowel Diary

	Abdominal	Standard Care	Tetal
Variable	Massage	Standard Care	Total
Time spent on the toilet [min/week]			
Week 6			
Ν	66	85	151
Missing	2	4	6
Mean	77.9	85.0	81.9
SD	73.26	88.52	82.01
Minimum	5	2	2
Median	55.0	50.0	55.0
Maximum	315	400	400
Pre-treatment vs. Week 6			
Ν	60	80	140
Missing	29	19	48
Mean	-0.7	9.8	5.3
SD	58.25	67.92	63.94
Minimum	-155	-325	-325
Median	0.5	1.0	0.5
Maximum	150	294	294
Week 23			
Ν	53	78	131
Missing	4	3	7
Mean	78.2	77.0	77.5
SD	92.43	68.51	78.73
Minimum	3	1	1
Median	45.0	56.5	50.0
Maximum	550	295	550
Pre-treatment vs. Week 23			
Ν	50	71	121
Missing	39	28	67
Mean	-6.5	-3.8	-4.9
SD	53.89	67.34	61.91
Minimum	-145	-333	-333
Median	-1.0	1.0	0.0
Maximum	135	155	155

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 80 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable	0		
How often did you use digital stimulation?			
Pre-treatment			
Ν	88	98	186
Missing	0	0	0
Mean	0.9	0.8	0.8
SD	1.76	1.86	1.81
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	7	7	7
Neek 1			
Ν	69	89	158
Missing	0	0	0
Mean	1.0	0.9	0.9
SD	1.97	1.84	1.89
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	7	7	7
Pre-treatment vs. Week 1			
Ν	68	88	156
Missing	21	11	32
Mean	0.0	-0.1	-0.0
SD	1.57	1.23	1.38
Minimum	-6	-6	-6
Median	0.0	0.0	0.0
Maximum	7	5	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 81 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable	8		
How often did you use digital stimulation?			
Week 2			
Ν	69	88	157
Missing	0	0	0
Mean	1.0	1.0	1.0
SD	1.98	1.95	1.96
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	7	7	7
Pre-treatment vs. Week 2			
Ν	68	87	155
Missing	21	12	33
Mean	0.0	0.1	0.0
SD	1.28	1.08	1.17
Minimum	-6	-6	-6
Median	0.0	0.0	0.0
Maximum	5	4	5
Week 3			
Ν	69	88	157
Missing	0	0	0
Mean	0.9	0.9	0.9
SD	1.85	1.98	1.91
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	7	7	7
Pre-treatment vs. Week 3			
Ν	68	87	155
Missing	21	12	33
Mean	-0.0	0.0	-0.0
SD	1.43	1.32	1.37
Minimum	-6	-6	-6
Median	0.0	0.0	0.0
Maximum	5	5	5

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 82 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable			
How often did you use digital stimulation?			
Week 4			
Ν	68	89	157
Missing	0	0	0
Mean	1.0	0.9	0.9
SD	1.96	1.75	1.84
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	7	7	7
Pre-treatment vs. Week 4			
Ν	67	88	155
Missing	22	11	33
Mean	0.0	-0.1	-0.0
SD	1.57	1.24	1.39
Minimum	-5	-6	-6
Median	0.0	0.0	0.0
Maximum	6	4	6
Week 5			
Ν	68	89	157
Missing	0	0	0
Mean	1.0	0.8	0.9
SD	2.06	1.76	1.89
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	7	7	7
Pre-treatment vs. Week 5			
Ν	67	88	155
Missing	22	11	33
Mean	0.0	-0.1	-0.0
SD	1.51	1.21	1.34
Minimum	-5	-6	-6
Median	0.0	0.0	0.0
Maximum	6	4	6

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 83 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable	8		
How often did you use digital stimulation?			
Week 6			
Ν	68	89	157
Missing	0	0	0
Mean	1.1	0.9	1.0
SD	2.25	1.90	2.05
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	7	7	7
Pre-treatment vs. Week 6			
Ν	67	88	155
Missing	22	11	33
Mean	0.1	0.0	0.1
SD	1.63	1.19	1.39
Minimum	-6	-6	-6
Median	0.0	0.0	0.0
Maximum	6	4	6
Week 23			
Ν	57	81	138
Missing	0	0	0
Mean	1.0	1.2	1.1
SD	2.01	2.35	2.22
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	7	7	7
Pre-treatment vs. Week 23			
Ν	56	80	136
Missing	33	19	52
Mean	0.1	0.3	0.2
SD	2.12	1.40	1.73
Minimum	-6	-4	-6
Median	0.0	0.0	0.0
Maximum	7	6	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 84 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable	0		
How often did you have a bowel accident?			
Pre-treatment			
Ν	88	98	186
Missing	0	0	0
Mean	0.2	0.3	0.2
SD	0.54	0.91	0.76
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	3	5	5
Week 1			
Ν	69	89	158
Missing	0	0	0
Mean	0.2	0.2	0.2
SD	0.47	0.62	0.56
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	2	4	4
Pre-treatment vs. Week 1			
Ν	68	88	156
Missing	21	11	32
Mean	0.0	-0.1	-0.0
SD	0.42	0.81	0.67
Minimum	-2	-4	-4
Median	0.0	0.0	0.0
Maximum	1	2	2

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 85 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable			
How often did you have a bowel accident?			
Week 2			
Ν	69	88	157
Missing	0	0	0
Mean	0.1	0.3	0.2
SD	0.43	0.81	0.67
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	2	5	5
Pre-treatment vs. Week 2			
Ν	68	87	155
Missing	21	12	33
Mean	0.0	0.0	0.0
SD	0.59	0.66	0.63
Minimum	-2	-2	-2
Median	0.0	0.0	0.0
Maximum	2	3	3
Week 3			
Ν	69	88	157
Missing	0	0	0
Mean	0.1	0.3	0.2
SD	0.39	0.80	0.65
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	2	5	5
Pre-treatment vs. Week 3			
Ν	68	87	155
Missing	21	12	33
Mean	0.0	0.0	0.0
SD	0.50	0.90	0.75
Minimum	-2	-5	-5
Median	0.0	0.0	0.0
Maximum	2	3	3

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 86 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable			
How often did you have a bowel accident?			
Week 4			
Ν	68	89	157
Missing	0	0	0
Mean	0.3	0.3	0.3
SD	0.74	0.88	0.82
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	5	5	5
Pre-treatment vs. Week 4			
Ν	67	88	155
Missing	22	11	33
Mean	0.1	0.0	0.1
SD	0.59	0.84	0.75
Minimum	-2	-4	-4
Median	0.0	0.0	0.0
Maximum	3	3	3
Week 5			
Ν	68	89	157
Missing	0	0	0
Mean	0.2	0.3	0.3
SD	0.66	0.91	0.81
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	4	6	6
Pre-treatment vs. Week 5			
Ν	67	88	155
Missing	22	11	33
Mean	0.1	0.0	0.0
SD	0.50	0.63	0.57
Minimum	-2	-2	-2
Median	0.0	0.0	0.0
Maximum	2	2	2

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 87 of 464Table 5: Bowel Diary

	Abdominal Massage	Standard Care	Total
Variable	8		
How often did you have a bowel accident?			
Week 6			
Ν	68	89	157
Missing	0	0	0
Mean	0.2	0.4	0.3
SD	0.72	0.92	0.84
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	4	4	4
Pre-treatment vs. Week 6			
Ν	67	88	155
Missing	22	11	33
Mean	0.1	0.1	0.1
SD	0.67	1.05	0.90
Minimum	-2	-4	-4
Median	0.0	0.0	0.0
Maximum	3	3	3
Week 23			
Ν	57	81	138
Missing	0	0	0
Mean	0.2	0.2	0.2
SD	0.77	0.65	0.70
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	4	4	4
Pre-treatment vs. Week 23			
Ν	56	80	136
Missing	33	19	52
Mean	0.1	-0.1	0.0
SD	0.78	0.94	0.88
Minimum	-2	-5	-5
Median	0.0	0.0	0.0
Maximum	4	3	4

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 88 of 464Table 5: Bowel Diary

Variable		ominal ssage	Standard Care			
	N	(%)	N	(%)	N	(%)
How much did you drink?						
Pre-treatment						
Missing	18	(11.8%)	22	(12.7%)	40	(12.3%)
Usual	87	(57.2%)	97	(56.1%)	184	(56.6%)
More	25	(16.4%)	26	(15.0%)	51	(15.7%)
Less	22	(14.5%)	28	(16.2%)	50	(15.4%)
Total	152	(100.0%)	173	(100.0%)	325	(100.0%)
Week 1						
Missing	6	(4.9%)	14	(9.0%)	20	(7.2%)
Usual	68	(55.3%)	86	(55.1%)	154	(55.2%)
More	27	(22.0%)	34	(21.8%)	61	(21.9%)
Less	22	(17.9%)	22	(14.1%)	44	(15.8%)
Total	123	(100.0%)	156	(100.0%)	279	(100.0%)
Week 2						
Missing	7	(5.9%)	13	(8.3%)	20	(7.2%)
Usual	66	(55.5%)	85	(54.1%)	151	(54.7%)
More	31	(26.1%)	35	(22.3%)	66	(23.9%)
Less	15	(12.6%)	24	(15.3%)	39	(14.1%)
Total	119	(100.0%)	157	(100.0%)	276	(100.0%)
Week 3						
Missing	4	(3.6%)	17	(11.0%)	21	(7.9%)
Usual	65	(59.1%)	83	(53.5%)	148	(55.8%)
More	28	(25.5%)	34	(21.9%)	62	(23.4%)
Less	13	(11.8%)	21	(13.5%)	34	(12.8%)
Total	110	(100.0%)	155	(100.0%)	265	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 89 of 464Table 5: Bowel Diary

Variable		Abdominal Massage		Standard Care		Total	
	N	(%)	N	(%)	N	(%)	
How much did you drink?							
Week 4							
Missing	4	(3.7%)	16	(9.8%)	20	(7.4%)	
Usual	63	(58.9%)	85	(52.1%)	148	(54.8%)	
More	25	(23.4%)	36	(22.1%)	61	(22.6%)	
Less	15	(14.0%)	26	(16.0%)	41	(15.2%)	
Total	107	(100.0%)	163	(100.0%)	270	(100.0%)	
Week 5							
Missing	5	(4.5%)	13	(8.8%)	18	(6.9%)	
Usual	62	(55.9%)	83	(56.1%)	145	(56.0%)	
More	28	(25.2%)	38	(25.7%)	66	(25.5%)	
Less	16	(14.4%)	14	(9.5%)	30	(11.6%)	
Total	111	(100.0%)	148	(100.0%)	259	(100.0%)	
Week 6							
Missing	4	(3.8%)	8	(5.9%)	12	(5.0%)	
Usual	64	(60.4%)	83	(61.5%)	147	(61.0%)	
More	24	(22.6%)	29	(21.5%)	53	(22.0%)	
Less	14	(13.2%)	15	(11.1%)	29	(12.0%)	
Total	106	(100.0%)	135	(100.0%)	241	(100.0%)	
Week 23							
Missing	4	(4.9%)	9	(7.0%)	13	(6.2%)	
Usual	57	(70.4%)	81	(63.3%)	138	(66.0%)	
More	11	(13.6%)	20	(15.6%)	31	(14.8%)	
Less	9	(11.1%)	18	(14.1%)	27	(12.9%)	
Total	81	(100.0%)	128	(100.0%)	209	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 90 of 464Table 5: Bowel Diary

Variable		ominal ssage		Standard Care		Total	
	N	(%)	N	(%)	N	(%)	
Did you use laxative?							
Pre-treatment							
Missing	22	(16.8%)	26	(16.7%)	48	(16.7%)	
Usual	72	(55.0%)	87	(55.8%)	159	(55.4%)	
More	18	(13.7%)	19	(12.2%)	37	(12.9%)	
Less	19	(14.5%)	24	(15.4%)	43	(15.0%)	
Total	131	(100.0%)	156	(100.0%)	287	(100.0%)	
Week 1							
Missing	11	(11.2%)	25	(18.7%)	36	(15.5%)	
Usual	56	(57.1%)	72	(53.7%)	128	(55.2%)	
More	12	(12.2%)	16	(11.9%)	28	(12.1%)	
Less	19	(19.4%)	21	(15.7%)	40	(17.2%)	
Total	98	(100.0%)	134	(100.0%)	232	(100.0%)	
Week 2							
Missing	13	(13.1%)	24	(18.0%)	37	(15.9%)	
Usual	56	(56.6%)	71	(53.4%)	127	(54.7%)	
More	13	(13.1%)	19	(14.3%)	32	(13.8%)	
Less	17	(17.2%)	19	(14.3%)	36	(15.5%)	
Total	99	(100.0%)	133	(100.0%)	232	(100.0%)	
Week 3							
Missing	13	(13.0%)	24	(17.8%)	37	(15.7%)	
Usual	57	(57.0%)	69	(51.1%)	126	(53.6%)	
More	13	(13.0%)	19	(14.1%)	32	(13.6%)	
Less	17	(17.0%)	23	(17.0%)	40	(17.0%)	
Total	100	(100.0%)	135	(100.0%)	235	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 91 of 464Table 5: Bowel Diary

Variable		Abdominal Massage		Standard Care		Total	
	N	(%)	N	(%)	N	(%)	
Did you use laxative?							
Week 4							
Missing	14	(14.4%)	22	(16.1%)	36	(15.4%)	
Usual	57	(58.8%)	69	(50.4%)	126	(53.8%)	
More	10	(10.3%)	26	(19.0%)	36	(15.4%)	
Less	16	(16.5%)	20	(14.6%)	36	(15.4%)	
Total	97	(100.0%)	137	(100.0%)	234	(100.0%)	
Week 5							
Missing	14	(14.6%)	23	(16.5%)	37	(15.7%)	
Usual	56	(58.3%)	70	(50.4%)	126	(53.6%)	
More	12	(12.5%)	26	(18.7%)	38	(16.2%)	
Less	14	(14.6%)	20	(14.4%)	34	(14.5%)	
Total	96	(100.0%)	139	(100.0%)	235	(100.0%)	
Week 6							
Missing	11	(12.4%)	21	(15.4%)	32	(14.2%)	
Usual	55	(61.8%)	71	(52.2%)	126	(56.0%)	
More	12	(13.5%)	24	(17.6%)	36	(16.0%)	
Less	11	(12.4%)	20	(14.7%)	31	(13.8%)	
Total	89	(100.0%)	136	(100.0%)	225	(100.0%)	
Week 23							
Missing	11	(14.9%)	16	(13.3%)	27	(13.9%)	
Usual	43	(58.1%)	68	(56.7%)	111	(57.2%)	
More	3	(4.1%)	15	(12.5%)	18	(9.3%)	
Less	17	(23.0%)	21	(17.5%)	38	(19.6%)	
Total	74	(100.0%)	120	(100.0%)	194	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 92 of 464Table 5: Bowel Diary

	Abdominal Massage
Variable	
How often did you do the bov	vel massage?
Week 1	
Ν	69
Missing	C
Mean	5.2
SD	1.88
Minimum	C
Median	5.0
Maximum	7
Week 2	
Ν	69
Missing	C
Mean	5.3
SD	1.91
Minimum	С
Median	6.0
Maximum	7
Week 3	
Ν	69
Missing	C
Mean	5.0
SD	1.90
Minimum	С
Median	5.0
Maximum	7
Veek 4	
Ν	68
Missing	С
Mean	5.0
SD	1.96
Minimum	С
Median	5.0
Maximum	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 93 of 464Table 5: Bowel Diary

	Abdominal Massage					
Variable						
How often did you do the bowel massage?						
Week 5						
Ν	68					
Missing	0					
Mean	5.2					
SD	1.78					
Minimum	0					
Median	5.0					
Maximum	7					
Week 6						
Ν	68					
Missing	0					
Mean	5.4					
SD	1.75					
Minimum	0					
Median	5.0					
Maximum	7					
Week 23						
Ν	57					
Missing	0					
Mean	3.2					
SD	2.83					
Minimum	0					
Median	3.0					
Maximum	7					

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 94 of 464Table 5: Bowel Diary

	Abdominal Massage
Variable	_
Time spent on massage [min/week]	
Week 1	
Ν	66
Missing	3
Mean	75.9
SD	39.33
Minimum	10
Median	70.0
Maximum	230
Week 2	
Ν	67
Missing	2
Mean	76.4
SD	41.04
Minimum	0
Median	70.0
Maximum	240
Week 3	
Ν	66
Missing	3
Mean	71.5
SD	35.97
Minimum	0
Median	64.5
Maximum	175
Week 4	
Ν	65
Missing	3
Mean	72.5
SD	35.16
Minimum	10
Median	70.0
Maximum	195

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 95 of 464Table 5: Bowel Diary

	Abdominal Massage
Variable	
Time spent on massage [min/week]	
Week 5	
Ν	65
Missing	3
Mean	73.5
SD	33.36
Minimum	10
Median	70.0
Maximum	180
Week 6	
Ν	66
Missing	2
Mean	74.7
SD	36.62
Minimum	10
Median	70.0
Maximum	210
Week 23	
Ν	37
Missing	20
Mean	55.8
SD	40.00
Minimum	0
Median	50.0
Maximum	210

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 96 of 464Table 5: Bowel Diary

			ominal ssage
Variable		Ν	(%)
How often	did you do the bowel	massage? [/week]	
Week 1			
	0	3	(4.3%)
	1	2	(2.9%)
	2	3	(4.3%)
	3	0	(0.0%)
	4	9	(13.0%)
	5	19	(27.5%)
	6	11	(15.9%)
	7	22	(31.9%)
Total		69	(100.0%)
Week 2			
	0	4	(5.8%)
	1	1	(1.4%)
	2	0	(0.0%)
	3	5	(7.2%)
	4	9	(13.0%)
	5	13	(18.8%)
	6	13	(18.8%)
	7	24	(34.8%)
Total		69	(100.0%)
Week 3			
	0	4	(5.8%)
	1	0	(0.0%)
	2	1	(1.4%)
	3	6	(8.7%)
	4	16	(23.2%)
	5	12	(17.4%)
	6	8	(11.6%)
	7	22	(31.9%)
Total		69	(100.0%)
Week 4			
	0	3	(4.4%)
	1	1	(1.5%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 97 of 464Table 5: Bowel Diary

	Abdominal Massage		
Variable	Ν	(%)	
2	5	(7.4%)	
3	4	(5.9%)	
4	8	(11.8%)	
5	16	(23.5%)	
6	9	(13.2%)	
7	22	(32.4%)	
Total	68	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 98 of 464Table 5: Bowel Diary

		Abdomin Massage		
Variable		Ν	(%)	
How often o	did you do the bowe	el massage? [/week]		
Week 5				
	0	2	(2.9%)	
	1	1	(1.5%)	
	2	2	(2.9%)	
	3	5	(7.4%)	
	4	9	(13.2%)	
	5	20	(29.4%)	
	6	5	(7.4%)	
	7	24	(35.3%)	
Total		68	(100.0%)	
Week 6				
	0	2	(2.9%)	
	1	0	(0.0%)	
	2	4	(5.9%)	
	3	4	(5.9%)	
	4	4	(5.9%)	
	5	21	(30.9%)	
	6	8	(11.8%)	
	7	25	(36.8%)	
Total		68	(100.0%)	
Week 23				
	0	20	(35.1%)	
	1	1	(1.8%)	
	2	4	(7.0%)	
	3	5	(8.8%)	
	4	7	(12.3%)	
	5	3	(5.3%)	
	6	4	(7.0%)	
	7	13	(22.8%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 99 of 464Table 6: EQ5D Questionnaire

	Abdominal Massage	Standard Care	Total
Variable	Tradition Be		1000
UK Health Index Score			
Pre-treatment			
Ν	90	99	189
Missing	0	0	(
Mean	0.5	0.5	0.5
SD	0.25	0.28	0.27
95%-LCL	0.49	0.44	0.48
95%-UCL	0.60	0.55	0.56
Minimum	-0	-0	-(
Q1	0.4	0.4	0.4
Median	0.6	0.6	0.6
Q3	0.7	0.7	0.7
Maximum	1	1	1
Week 6			
Ν	60	84	144
Missing	2	3	4
Mean	0.5	0.5	0.5
SD	0.29	0.27	0.28
95%-LCL	0.44	0.42	0.45
95%-UCL	0.59	0.54	0.54
Minimum	-0	-0	-(
Q1	0.4	0.3	0.3
Median	0.6	0.5	0.6
Q3	0.7	0.7	0.7
Maximum	1	1	1
Pre-treatment vs. Week 6			
Ν	60	84	144
Missing	30	15	45
Mean	-0.0	-0.0	-0.0
SD	0.19	0.16	0.18
95%-LCL	-0.09	-0.07	-0.07
95%-UCL	0.01	-0.00	-0.01
Minimum	-1	-1	-1
Q1	-0.1	-0.1	-0.1
Median	-0.0	0.0	-0.0
Q3	0.1	0.0	0.1
Maximum	0	0	(
Week 24			
Ν	58	83	141
Missing	0	0	(

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 100 of 464Table 6: EQ5D Questionnaire

	Abdominal Massage	Standard Care	Total
	Wiassage	Stanuaru Care	Total
Variable			
Mean	0.5	0.5	0.5
SD	0.28	0.28	0.28
95%-LCL	0.46	0.40	0.44
95%-UCL	0.61	0.52	0.54
Minimum	-0	-0	-0
Q1	0.5	0.2	0.3
Median	0.6	0.5	0.6
Q3	0.7	0.7	0.7
Maximum	1	1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 101 of 464Table 6: EQ5D Questionnaire

	Abdominal Massage	Standard Care	Total
Variable			
UK Health Index Score			
Pre-treatment vs. Week 24			
Ν	58	83	141
Missing	32	16	48
Mean	-0.0	-0.1	-0.1
SD	0.20	0.21	0.20
95%-LCL	-0.10	-0.10	-0.08
95%-UCL	0.00	-0.01	-0.02
Minimum	-1	-1	-1
Q1	-0.1	-0.1	-0.1
Median	-0.0	-0.0	-0.0
Q3	0.1	0.0	0.0
Maximum	0	1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 102 of 464Table 6: EQ5D Questionnaire

		ominal ssage		ndard are	Total	
Variable	N	(%)	N	(%)	N	(%)
Mobility						
Pre-treatment						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
I have no problems in walking about	16	(17.8%)	9	(9.1%)	25	(13.2%)
I have slight problems in walking about	10	(11.1%)	14	(14.1%)	24	(12.7%)
I have moderate problems in walking about	42	(46.7%)	36	(36.4%)	78	(41.3%)
I have severe problems with walking about	20	(22.2%)	31	(31.3%)	51	(27.0%)
I am unable to walk about	2	(2.2%)	9	(9.1%)	11	(5.8%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	2	(3.2%)	3	(3.4%)	5	(3.4%)
I have no problems in walking about	10	(16.1%)	7	(8.0%)	17	(11.4%)
I have slight problems in walking about	11	(17.7%)	15	(17.2%)	26	(17.4%)
I have moderate problems in walking about	16	(25.8%)	27	(31.0%)	43	(28.9%)
I have severe problems with walking about	20	(32.3%)	29	(33.3%)	49	(32.9%)
I am unable to walk about	3	(4.8%)	6	(6.9%)	9	(6.0%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
I have no problems in walking about	8	(13.8%)	6	(7.2%)	14	(9.9%)
I have slight problems in walking about	11	(19.0%)	13	(15.7%)	24	(17.0%)
I have moderate problems in walking about	21	(36.2%)	32	(38.6%)	53	(37.6%)
I have severe problems with walking about	15	(25.9%)	23	(27.7%)	38	(27.0%)
I am unable to walk about	3	(5.2%)	9	(10.8%)	12	(8.5%)
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 103 of 464Table 6: EQ5D Questionnaire

		ominal ssage		ndard are	Total	
Variable	N	(%)	N	(%)	N	(%)
Self-Care						
Pre-treatment						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
I have no problems washing or dressing myself	43	(47.8%)	41	(41.4%)	84	(44.4%)
I have slight problems in washing or dressing myself	25	(27.8%)	33	(33.3%)	58	(30.7%)
I have moderate problems in washing or dressing myself	17	(18.9%)	18	(18.2%)	35	(18.5%)
I have severe problems in washing or dressing myself	3	(3.3%)	4	(4.0%)	7	(3.7%)
I am unable to wash or dress myself	2	(2.2%)	3	(3.0%)	5	(2.6%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	2	(3.2%)	3	(3.4%)	5	(3.4%)
I have no problems washing or dressing myself	29	(46.8%)	34	(39.1%)	63	(42.3%)
I have slight problems in washing or dressing myself	21	(33.9%)	24	(27.6%)	45	(30.2%)
I have moderate problems in washing or dressing myself	7	(11.3%)	18	(20.7%)	25	(16.8%)
I have severe problems in washing or dressing myself	1	(1.6%)	6	(6.9%)	7	(4.7%)
I am unable to wash or dress myself	2	(3.2%)	2	(2.3%)	4	(2.7%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
I have no problems washing or dressing myself	26	(44.8%)	34	(41.0%)	60	(42.6%)
I have slight problems in washing or dressing myself	18	(31.0%)	22	(26.5%)	40	(28.4%)
I have moderate problems in washing or dressing myself	10	(17.2%)	20	(24.1%)	30	(21.3%)
I have severe problems in washing or dressing myself	3	(5.2%)	6	(7.2%)	9	(6.4%)
I am unable to wash or dress myself	1	(1.7%)	1	(1.2%)	2	(1.4%)
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 104 of 464Table 6: EQ5D Questionnaire

		Abdominal Massage		ndard are	Total	
Variable	N	(%)	N	(%)	N	(%)
Usual activities						
Pre-treatment						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
I have no problems doing my usual activities	15	(16.7%)	19	(19.2%)	34	(18.0%)
I have slight problems doing my usual activities	31	(34.4%)	24	(24.2%)	55	(29.1%)
I have moderate problems doing my usual activities	28	(31.1%)	36	(36.4%)	64	(33.9%)
I have severe problems doing my usual activities	12	(13.3%)	15	(15.2%)	27	(14.3%)
I am unable to do my usual activities	4	(4.4%)	5	(5.1%)	9	(4.8%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	2	(3.2%)	3	(3.4%)	5	(3.4%)
I have no problems doing my usual activities	10	(16.1%)	14	(16.1%)	24	(16.1%)
I have slight problems doing my usual activities	15	(24.2%)	15	(17.2%)	30	(20.1%)
I have moderate problems doing my usual activities	22	(35.5%)	34	(39.1%)	56	(37.6%)
I have severe problems doing my usual activities	10	(16.1%)	19	(21.8%)	29	(19.5%)
I am unable to do my usual activities	3	(4.8%)	2	(2.3%)	5	(3.4%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
I have no problems doing my usual activities	8	(13.8%)	9	(10.8%)	17	(12.1%)
I have slight problems doing my usual activities	15	(25.9%)	21	(25.3%)	36	(25.5%)
I have moderate problems doing my usual activities	26	(44.8%)	26	(31.3%)	52	(36.9%)
I have severe problems doing my usual activities	5	(8.6%)	21	(25.3%)	26	(18.4%)
I am unable to do my usual activities	4	(6.9%)	6	(7.2%)	10	(7.1%)
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 105 of 464Table 6: EQ5D Questionnaire

		Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)	
Pain/ discomfort							
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
I have no pain or discomfort	10	(11.1%)	10	(10.1%)	20	(10.6%)	
I have slight pain or discomfort	29	(32.2%)	20	(20.2%)	49	(25.9%)	
I have moderate pain or discomfort	35	(38.9%)	49	(49.5%)	84	(44.4%)	
I have severe pain or discomfort	11	(12.2%)	16	(16.2%)	27	(14.3%)	
I have extreme pain or discomfort	5	(5.6%)	4	(4.0%)	9	(4.8%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	2	(3.2%)	2	(2.3%)	4	(2.7%)	
I have no pain or discomfort	7	(11.3%)	10	(11.5%)	17	(11.4%)	
I have slight pain or discomfort	18	(29.0%)	20	(23.0%)	38	(25.5%)	
I have moderate pain or discomfort	24	(38.7%)	34	(39.1%)	58	(38.9%)	
I have severe pain or discomfort	7	(11.3%)	19	(21.8%)	26	(17.4%)	
I have extreme pain or discomfort	4	(6.5%)	2	(2.3%)	6	(4.0%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
I have no pain or discomfort	5	(8.6%)	7	(8.4%)	12	(8.5%)	
I have slight pain or discomfort	18	(31.0%)	19	(22.9%)	37	(26.2%)	
I have moderate pain or discomfort	26	(44.8%)	41	(49.4%)	67	(47.5%)	
I have severe pain or discomfort	6	(10.3%)	15	(18.1%)	21	(14.9%)	
I have extreme pain or discomfort	3	(5.2%)	1	(1.2%)	4	(2.8%)	
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 106 of 464Table 6: EQ5D Questionnaire

	Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Anxiety/ depression						
Pre-treatment						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
I am not anxious or depressed	32	(35.6%)	41	(41.4%)	73	(38.6%)
I am slightly anxious or depressed	38	(42.2%)	29	(29.3%)	67	(35.4%)
I am moderately anxious or depressed	17	(18.9%)	26	(26.3%)	43	(22.8%)
I am severely anxious or depressed	1	(1.1%)	1	(1.0%)	2	(1.1%)
I am extremely anxious or depressed	2	(2.2%)	2	(2.0%)	4	(2.1%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	2	(3.2%)	2	(2.3%)	4	(2.7%)
I am not anxious or depressed	21	(33.9%)	33	(37.9%)	54	(36.2%)
I am slightly anxious or depressed	22	(35.5%)	24	(27.6%)	46	(30.9%)
I am moderately anxious or depressed	14	(22.6%)	21	(24.1%)	35	(23.5%)
I am severely anxious or depressed	0	(0.0%)	5	(5.7%)	5	(3.4%)
I am extremely anxious or depressed	3	(4.8%)	2	(2.3%)	5	(3.4%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
I am not anxious or depressed	25	(43.1%)	27	(32.5%)	52	(36.9%)
I am slightly anxious or depressed	21	(36.2%)	32	(38.6%)	53	(37.6%)
I am moderately anxious or depressed	9	(15.5%)	16	(19.3%)	25	(17.7%)
I am severely anxious or depressed	2	(3.4%)	5	(6.0%)	7	(5.0%)
I am extremely anxious or depressed	1	(1.7%)	3	(3.6%)	4	(2.8%)
Total	58	(100.0%)	83	(100.0%)	141	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 107 of 464Table 6: EQ5D Questionnaire

	Abdominal Massage	Standard Care	Total
Variable			
Health state today			
Pre-treatment			
Ν	89	98	187
Missing	1	1	2
Mean	60.6	55.7	58.0
SD	21.14	20.58	20.94
95%-LCL	56.11	51.54	54.97
95%-UCL	65.02	59.79	61.02
Minimum	3	5	3
Q1	50.0	40.0	40.0
Median	60.0	60.0	60.0
Q3	80.0	70.0	75.0
Maximum	100	100	100
Week 6			
Ν	59	86	145
Missing	3	1	4
Mean	59.4	55.4	57.0
SD	23.96	20.81	22.16
95%-LCL	53.16	50.90	53.37
95%-UCL	65.65	59.82	60.64
Minimum	5	10	5
Q1	40.0	35.0	40.0
Median	65.0	55.0	60.0
Q3	75.0	70.0	75.0
Maximum	97	100	100
Pre-treatment vs. Week 6			
Ν	59	85	144
Missing	31	14	45
Mean	-2.7	-1.8	-2.1
SD	21.69	21.02	21.23
95%-LCL	-8.35	-6.29	-5.64
95%-UCL	2.96	2.78	1.36
Minimum	-50	-50	-50
Q1	-20.0	-15.0	-15.0
Median	0.0	0.0	0.0
Q3	10.0	12.0	10.0
Maximum	57	45	57
Week 24			
Ν	58	83	141
Missing	0	0	C

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 108 of 464Table 6: EQ5D Questionnaire

	Abdominal		
	Massage	Standard Care	Total
Variable			
Mean	59.8	51.3	54.8
SD	22.63	20.31	21.62
95%-LCL	53.81	46.89	51.19
95%-UCL	65.71	55.76	58.39
Minimum	10	10	10
Q1	45.0	35.0	40.0
Median	62.5	50.0	60.0
Q3	80.0	65.0	70.0
Maximum	95	90	95
AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 109 of 464Table 6: EQ5D Questionnaire

	Abdominal		
	Massage	Standard Care	Total
Variable			
Health state today			
Pre-treatment vs. Week 24			
Ν	57	82	139
Missing	33	17	50
Mean	-2.5	-4.1	-3.4
SD	21.86	20.98	21.28
95%-LCL	-8.27	-8.69	-6.99
95%-UCL	3.33	0.52	0.14
Minimum	-50	-70	-70
Q1	-15.0	-10.0	-15.0
Median	0.0	-5.0	-3.0
Q3	10.0	6.0	7.0
Maximum	53	60	60

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 110 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
NBD PROM Total Score			
Pre-treatment			
Ν	86	98	184
Missing	4	1	5
Mean	20.2	20.8	20.5
SD	8.46	7.40	7.89
95%-LCL	18.43	19.30	19.38
95%-UCL	22.06	22.27	21.68
Minimum	6	5	5
Q1	14.0	16.0	15.0
Median	20.0	21.0	21.0
Q3	26.0	25.0	26.0
Maximum	41	38	41
Week 6			
Ν	56	82	138
Missing	6	5	11
Mean	19.9	21.4	20.8
SD	8.24	6.96	7.51
95%-LCL	17.70	19.84	19.51
95%-UCL	22.12	22.89	22.04
Minimum	5	3	3
Q1	14.0	17.0	16.0
Median	19.0	21.0	20.0
Q3	26.0	25.0	25.0
Maximum	42	42	42
Pre-treatment vs. Week 6			
Ν	53	82	135
Missing	37	17	54
Mean	0.3	1.0	0.7
SD	5.87	4.39	5.02
95%-LCL	-1.34	0.08	-0.11
95%-UCL	1.90	2.01	1.60
Minimum	-13	-11	-13
Q1	-2.0	-2.0	-2.0
Median	1.0	1.0	1.0
Q3	4.0	3.0	4.0
Maximum	17	13	17

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 111 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
NBD PROM Total Score			
Week 24			
Ν	56	77	133
Missing	3	7	10
Mean	19.0	20.9	20.1
SD	8.38	7.42	7.86
95%-LCL	16.79	19.25	18.79
95%-UCL	21.28	22.62	21.48
Minimum	5	1	1
Q1	13.5	17.0	15.0
Median	18.0	21.0	20.0
Q3	25.0	25.0	25.0
Maximum	50	40	50
Pre-treatment vs. Week 24			
Ν	53	77	130
Missing	37	22	59
Mean	-0.8	0.3	-0.1
SD	6.63	5.12	5.78
95%-LCL	-2.62	-0.85	-1.14
95%-UCL	1.04	1.47	0.87
Minimum	-18	-13	-18
Q1	-5.0	-3.0	-4.0
Median	0.0	1.0	0.0
Q3	3.0	3.0	3.0
Maximum	15	14	15

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 112 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
NBD PROM Quality of Life Score			
Pre-treatment			
Ν	88	99	187
Missing	2	0	2
Mean	9.6	10.7	10.2
SD	5.08	4.68	4.89
95%-LCL	8.56	9.76	9.49
95%-UCL	10.71	11.63	10.90
Minimum	0	1	0
Q1	5.5	8.0	7.0
Median	9.0	11.0	10.0
Q3	13.0	14.0	13.0
Maximum	22	22	22
Week 6			
Ν	56	83	139
Missing	6	4	10
Mean	9.9	10.7	10.4
SD	4.91	4.34	4.58
95%-LCL	8.56	9.80	9.63
95%-UCL	11.19	11.70	11.16
Minimum	0	1	0
Q1	6.0	8.0	7.0
Median	10.0	11.0	10.0
Q3	13.0	14.0	13.0
Maximum	21	23	23
Pre-treatment vs. Week 6			
Ν	54	83	137
Missing	36	16	52
Mean	0.6	0.4	0.5
SD	3.09	2.82	2.92
95%-LCL	-0.21	-0.22	-0.00
95%-UCL	1.47	1.01	0.98
Minimum	-6	-7	-7
Q1	-1.0	-1.0	-1.0
Median	1.0	1.0	1.0
Q3	3.0	2.0	2.0
Maximum	9	9	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 113 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
NBD PROM Quality of Life Score			
Week 24			
Ν	58	80	138
Missing	1	4	5
Mean	9.2	10.7	10.1
SD	4.81	4.70	4.79
95%-LCL	7.91	9.67	9.26
95%-UCL	10.44	11.76	10.87
Minimum	2	0	0
Q1	5.0	8.0	6.0
Median	8.5	11.0	10.0
Q3	13.0	13.5	13.0
Maximum	23	24	24
Pre-treatment vs. Week 24			
Ν	56	80	136
Missing	34	19	53
Mean	-0.2	0.3	0.1
SD	3.69	3.20	3.40
95%-LCL	-1.17	-0.45	-0.50
95%-UCL	0.81	0.97	0.66
Minimum	-7	-8	-8
Q1	-2.0	-2.0	-2.0
Median	0.0	1.0	0.0
Q3	3.0	2.0	2.0
Maximum	9	7	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 114 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
NBD PROM Faecal Incontinence Score			
Pre-treatment			
Ν	90	99	189
Missing	0	0	0
Mean	3.7	3.7	3.7
SD	2.38	2.00	2.18
95%-LCL	3.22	3.33	3.41
95%-UCL	4.22	4.13	4.04
Minimum	0	0	0
Q1	2.0	2.0	2.0
Median	3.0	3.0	3.0
Q3	6.0	5.0	6.0
Maximum	10	9	10
Week 6			
Ν	61	87	148
Missing	1	0	1
Mean	3.6	4.1	3.9
SD	2.32	2.14	2.22
95%-LCL	2.98	3.67	3.54
95%-UCL	4.17	4.58	4.26
Minimum	0	0	0
Q1	2.0	2.0	2.0
Median	3.0	4.0	4.0
Q3	5.0	6.0	5.0
Maximum	9	11	11
Pre-treatment vs. Week 6			
Ν	61	87	148
Missing	29	12	41
Mean	-0.0	0.3	0.2
SD	1.95	1.66	1.78
95%-LCL	-0.51	-0.03	-0.11
95%-UCL	0.48	0.68	0.47
Minimum	-4	-3	-4
Q1	-1.0	-1.0	-1.0
Median	0.0	0.0	0.0
Q3	1.0	1.0	1.0
Maximum	4	5	5

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	Abdominal Massage	Standard Care	Total
Variable	U		
NBD PROM Faecal Incontinence Score			
Week 24			
Ν	57	82	139
Missing	2	2	4
Mean	3.8	4.1	4.0
SD	2.48	1.75	2.07
95%-LCL	3.13	3.69	3.61
95%-UCL	4.45	4.46	4.30
Minimum	0	0	0
Q1	2.0	3.0	3.0
Median	4.0	4.0	4.0
Q3	5.0	5.0	5.0
Maximum	12	9	12
Pre-treatment vs. Week 24			
Ν	57	82	139
Missing	33	17	50
Mean	-0.1	0.4	0.2
SD	2.28	1.88	2.06
95%-LCL	-0.69	-0.05	-0.17
95%-UCL	0.52	0.78	0.53
Minimum	-8	-4	-8
Q1	-1.0	-1.0	-1.0
Median	0.0	0.0	0.0
Q3	1.0	1.0	1.0
Maximum	4	6	6

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	Abdominal Massage	Standard Care	Total
Variable			
NBD PROM Symptom Score			
Pre-treatment			
Ν	88	98	186
Missing	2	1	3
Mean	6.9	6.4	6.7
SD	2.90	3.10	3.01
95%-LCL	6.29	5.80	6.21
95%-UCL	7.52	7.04	7.09
Minimum	0	1	0
Q1	5.0	4.0	5.0
Median	7.0	6.0	7.0
Q3	8.0	9.0	9.0
Maximum	16	13	16
Week 6			
Ν	60	84	144
Missing	2	3	5
Mean	6.4	6.6	6.5
SD	3.23	2.47	2.80
95%-LCL	5.52	6.05	6.02
95%-UCL	7.18	7.12	6.95
Minimum	1	1	1
Q1	4.0	5.0	5.0
Median	6.0	6.0	6.0
Q3	9.0	8.0	8.0
Maximum	14	14	14
Pre-treatment vs. Week 6			
Ν	59	84	143
Missing	31	15	46
Mean	-0.2	0.2	0.0
SD	2.58	2.04	2.28
95%-LCL	-0.89	-0.20	-0.33
95%-UCL	0.45	0.68	0.43
Minimum	-6	-4	-6
Q1	-2.0	-1.0	-1.0
Median	0.0	0.0	0.0
Q3	2.0	2.0	2.0
Maximum	7	5	7

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	Abdominal Massage	Standard Care	Total
Variable			
NBD PROM Symptom Score			
Week 24			
Ν	57	80	137
Missing	2	4	6
Mean	6.0	6.2	6.1
SD	2.79	2.84	2.81
95%-LCL	5.26	5.53	5.62
95%-UCL	6.74	6.80	6.57
Minimum	1	0	0
Q1	4.0	4.0	4.0
Median	6.0	6.0	6.0
Q3	8.0	8.0	8.0
Maximum	15	14	15
Pre-treatment vs. Week 24			
Ν	56	80	136
Missing	34	19	53
Mean	-0.4	-0.2	-0.3
SD	2.35	2.18	2.25
95%-LCL	-1.04	-0.66	-0.65
95%-UCL	0.22	0.31	0.11
Minimum	-7	-5	-7
Q1	-2.0	-2.0	-2.0
Median	0.0	0.0	0.0
Q3	1.0	1.0	1.0
Maximum	4	5	5

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Variable		ominal ssage	Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)
Do you ever have bowel accidents						
Pre-treatment						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Never	36	(40.0%)	25	(25.3%)	61	(32.3%)
Rarely	25	(27.8%)	49	(49.5%)	74	(39.2%)
Some of the time	27	(30.0%)	22	(22.2%)	49	(25.9%)
Most of the time	2	(2.2%)	3	(3.0%)	5	(2.6%)
Always	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	1	(1.6%)	0	(0.0%)	1	(0.7%)
Never	24	(38.7%)	18	(20.7%)	42	(28.2%)
Rarely	24	(38.7%)	41	(47.1%)	65	(43.6%)
Some of the time	12	(19.4%)	24	(27.6%)	36	(24.2%)
Most of the time	1	(1.6%)	4	(4.6%)	5	(3.4%)
Always	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	1	(1.7%)	1	(1.2%)	2	(1.4%)
Never	20	(33.9%)	15	(17.9%)	35	(24.5%)
Rarely	27	(45.8%)	44	(52.4%)	71	(49.7%)
Some of the time	9	(15.3%)	24	(28.6%)	33	(23.1%)
Most of the time	1	(1.7%)	0	(0.0%)	1	(0.7%)
Always	1	(1.7%)	0	(0.0%)	1	(0.7%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

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	Abdominal Massage	Standard Care	Total
Variable			
How much do bowel accidents bother you			
Pre-treatment			
Ν	88	93	181
Missing	2	6	8
Mean	4.6	5.7	5.2
SD	4.41	4.03	4.24
Minimum	0	0	0
Median	5.0	7.0	6.0
Maximum	10	10	10
Week 6			
Ν	59	81	140
Missing	3	6	9
Mean	4.3	5.7	5.1
SD	4.14	3.53	3.84
Minimum	0	0	0
Median	3.0	7.0	6.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	58	77	135
Missing	32	22	54
Mean	-0.1	0.1	0.0
SD	3.84	3.33	3.54
Minimum	-10	-8	-10
Median	0.0	0.0	0.0
Maximum	10	9	10

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	Abdominal Massage	Standard Care	Total
Variable			
How much do bowel accidents bother you			
Week 24			
Ν	51	82	133
Missing	8	2	10
Mean	4.7	6.0	5.5
SD	3.99	3.90	3.97
Minimum	0	0	0
Median	3.0	8.0	7.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	50	77	127
Missing	40	22	62
Mean	-0.2	0.7	0.3
SD	3.97	4.22	4.13
Minimum	-10	-8	-10
Median	0.0	0.0	0.0
Maximum	10	10	10

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Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Do you ever have an urgent need	l to open your bov	vels					
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	7	(7.8%)	8	(8.1%)	15	(7.9%)	
Rarely	21	(23.3%)	36	(36.4%)	57	(30.2%)	
Some of the time	51	(56.7%)	47	(47.5%)	98	(51.9%)	
Most of the time	9	(10.0%)	8	(8.1%)	17	(9.0%)	
Always	2	(2.2%)	0	(0.0%)	2	(1.1%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	1	(1.6%)	0	(0.0%)	1	(0.7%)	
Never	5	(8.1%)	3	(3.4%)	8	(5.4%)	
Rarely	23	(37.1%)	30	(34.5%)	53	(35.6%)	
Some of the time	27	(43.5%)	44	(50.6%)	71	(47.7%)	
Most of the time	5	(8.1%)	9	(10.3%)	14	(9.4%)	
Always	1	(1.6%)	1	(1.1%)	2	(1.3%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	1	(1.7%)	1	(1.2%)	2	(1.4%)	
Never	6	(10.2%)	3	(3.6%)	9	(6.3%)	
Rarely	21	(35.6%)	29	(34.5%)	50	(35.0%)	
Some of the time	27	(45.8%)	46	(54.8%)	73	(51.0%)	
Most of the time	3	(5.1%)	5	(6.0%)	8	(5.6%)	
Always	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal Massage	Standard Care	Total
Variable			
How much does the urgent need	to open your bowels bother :	you	
Pre-treatment			
Ν	90	97	187
Missing	0	2	2
Mean	5.0	5.6	5.3
SD	3.62	3.28	3.45
Minimum	0	0	0
Median	4.5	6.0	5.0
Maximum	10	10	10
Week 6			
Ν	61	84	145
Missing	1	3	4
Mean	4.6	6.0	5.4
SD	3.57	2.84	3.24
Minimum	0	0	0
Median	4.0	6.0	6.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	61	82	143
Missing	29	17	46
Mean	-0.1	0.7	0.4
SD	2.70	3.09	2.95
Minimum	-7	-6	-7
Median	0.0	0.0	0.0
Maximum	9	10	10

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	Abdominal Massage	Standard Care	Total
Variable			
How much does the urgent need	to open your bowels bother	you	
Week 24			
Ν	55	83	138
Missing	4	1	5
Mean	4.7	6.1	5.5
SD	3.32	3.05	3.22
Minimum	0	0	C
Median	5.0	7.0	6.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	55	81	136
Missing	35	18	53
Mean	-0.3	1.0	0.4
SD	3.75	3.36	3.56
Minimum	-10	-6	-10
Median	0.0	0.0	0.0
Maximum	8	10	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 124 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Do you experience any staining	of underwear or n	eed to wear pac	ds becau	se of bowel pro	oblems		
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	45	(50.0%)	35	(35.4%)	80	(42.3%)	
Rarely	16	(17.8%)	28	(28.3%)	44	(23.3%)	
Some of the time	18	(20.0%)	28	(28.3%)	46	(24.3%)	
Most of the time	4	(4.4%)	3	(3.0%)	7	(3.7%)	
Always	7	(7.8%)	5	(5.1%)	12	(6.3%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	1	(1.6%)	0	(0.0%)	1	(0.7%)	
Never	22	(35.5%)	32	(36.8%)	54	(36.2%)	
Rarely	17	(27.4%)	20	(23.0%)	37	(24.8%)	
Some of the time	15	(24.2%)	23	(26.4%)	38	(25.5%)	
Most of the time	4	(6.5%)	5	(5.7%)	9	(6.0%)	
Always	3	(4.8%)	7	(8.0%)	10	(6.7%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	1	(1.7%)	1	(1.2%)	2	(1.4%)	
Never	18	(30.5%)	19	(22.6%)	37	(25.9%)	
Rarely	14	(23.7%)	33	(39.3%)	47	(32.9%)	
Some of the time	17	(28.8%)	20	(23.8%)	37	(25.9%)	
Most of the time	6	(10.2%)	6	(7.1%)	12	(8.4%)	
Always	3	(5.1%)	5	(6.0%)	8	(5.6%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal	· · · · ·	
	Massage	Standard Care	Total
Variable			
How much does staining of under	wear because of bowel prob	olems bother you	
Pre-treatment			
Ν	86	94	180
Missing	4	5	9
Mean	3.2	4.4	3.8
SD	3.92	3.86	3.92
Minimum	0	0	0
Median	0.0	4.5	2.0
Maximum	10	10	10
Week 6			
Ν	58	82	140
Missing	4	5	9
Mean	3.8	4.2	4.1
SD	3.78	3.57	3.65
Minimum	0	0	0
Median	3.0	3.5	3.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	56	78	134
Missing	34	21	55
Mean	0.8	-0.1	0.3
SD	3.80	2.91	3.33
Minimum	-8	-5	-8
Median	0.0	0.0	0.0
Maximum	10	10	10

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	Abdominal Massage	Standard Care	Total
Variable			
How much does staining of u	inderwear because of bowel prob	olems bother you	
Week 24			
Ν	55	80	135
Missing	4	4	8
Mean	4.4	5.2	4.9
SD	3.70	3.63	3.66
Minimum	0	0	0
Median	4.0	6.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	52	78	130
Missing	38	21	59
Mean	1.1	1.3	1.2
SD	4.02	3.72	3.83
Minimum	-10	-6	-10
Median	0.0	0.0	0.0
Maximum	10	10	10

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		Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)	
Bowel movements are mostly Type 1							
Pre-treatment							
Missing	17	(18.9%)	11	(11.1%)	28	(14.8%)	
Yes	34	(37.8%)	44	(44.4%)	78	(41.3%)	
No	39	(43.3%)	44	(44.4%)	83	(43.9%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	25	(40.3%)	36	(41.4%)	61	(40.9%)	
Yes	25	(40.3%)	33	(37.9%)	58	(38.9%)	
No	12	(19.4%)	18	(20.7%)	30	(20.1%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	14	(23.7%)	24	(28.6%)	38	(26.6%)	
Yes	9	(15.3%)	27	(32.1%)	36	(25.2%)	
No	36	(61.0%)	33	(39.3%)	69	(48.3%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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		Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)	
Bowel movements are mostly Type 2							
Pre-treatment							
Missing	17	(18.9%)	22	(22.2%)	39	(20.6%)	
Yes	35	(38.9%)	30	(30.3%)	65	(34.4%)	
No	38	(42.2%)	47	(47.5%)	85	(45.0%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	24	(38.7%)	34	(39.1%)	58	(38.9%)	
Yes	28	(45.2%)	35	(40.2%)	63	(42.3%)	
No	10	(16.1%)	18	(20.7%)	28	(18.8%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	9	(15.3%)	24	(28.6%)	33	(23.1%)	
Yes	22	(37.3%)	29	(34.5%)	51	(35.7%)	
No	28	(47.5%)	31	(36.9%)	59	(41.3%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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Variable	Abdominal Massage		Standard Care		Total	
	N	(%)	N	(%)	N	(%)
Bowel movements are mostly Type 3						
Pre-treatment						
Missing	18	(20.0%)	18	(18.2%)	36	(19.0%)
Yes	29	(32.2%)	37	(37.4%)	66	(34.9%)
No	43	(47.8%)	44	(44.4%)	87	(46.0%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	29	(46.8%)	33	(37.9%)	62	(41.6%)
Yes	23	(37.1%)	36	(41.4%)	59	(39.6%)
No	10	(16.1%)	18	(20.7%)	28	(18.8%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	15	(25.4%)	23	(27.4%)	38	(26.6%)
Yes	14	(23.7%)	30	(35.7%)	44	(30.8%)
No	30	(50.8%)	31	(36.9%)	61	(42.7%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

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Variable	Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)
Bowel movements are mostly Type 4						
Pre-treatment						
Missing	19	(21.1%)	19	(19.2%)	38	(20.1%)
Yes	24	(26.7%)	30	(30.3%)	54	(28.6%)
No	47	(52.2%)	50	(50.5%)	97	(51.3%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	28	(45.2%)	41	(47.1%)	69	(46.3%)
Yes	20	(32.3%)	26	(29.9%)	46	(30.9%)
No	14	(22.6%)	20	(23.0%)	34	(22.8%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	13	(22.0%)	20	(23.8%)	33	(23.1%)
Yes	24	(40.7%)	32	(38.1%)	56	(39.2%)
No	22	(37.3%)	32	(38.1%)	54	(37.8%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

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Variable		Abdominal Massage		Standard Care		Total	
	N	(%)	N	(%)	N	(%)	
Bowel movements are mostly Type 5							
Pre-treatment							
Missing	22	(24.4%)	21	(21.2%)	43	(22.8%)	
Yes	19	(21.1%)	25	(25.3%)	44	(23.3%)	
No	49	(54.4%)	53	(53.5%)	102	(54.0%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	36	(58.1%)	43	(49.4%)	79	(53.0%)	
Yes	10	(16.1%)	23	(26.4%)	33	(22.1%)	
No	16	(25.8%)	21	(24.1%)	37	(24.8%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	14	(23.7%)	24	(28.6%)	38	(26.6%)	
Yes	15	(25.4%)	21	(25.0%)	36	(25.2%)	
No	30	(50.8%)	39	(46.4%)	69	(48.3%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Bowel movements are mostly Type 6						
Pre-treatment						
Missing	25	(27.8%)	21	(21.2%)	46	(24.3%)
Yes	15	(16.7%)	21	(21.2%)	36	(19.0%)
No	50	(55.6%)	57	(57.6%)	107	(56.6%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	39	(62.9%)	49	(56.3%)	88	(59.1%)
Yes	10	(16.1%)	17	(19.5%)	27	(18.1%)
No	13	(21.0%)	21	(24.1%)	34	(22.8%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	17	(28.8%)	31	(36.9%)	48	(33.6%)
Yes	9	(15.3%)	15	(17.9%)	24	(16.8%)
No	33	(55.9%)	38	(45.2%)	71	(49.7%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 133 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		ominal ssage		ndard are	Total	
Variable	N	(%)	N	(%)	N	(%)
Bowel movements are mostly Type 7						
Pre-treatment						
Missing	27	(30.0%)	24	(24.2%)	51	(27.0%)
Yes	9	(10.0%)	11	(11.1%)	20	(10.6%)
No	54	(60.0%)	64	(64.6%)	118	(62.4%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	40	(64.5%)	55	(63.2%)	95	(63.8%)
Yes	4	(6.5%)	10	(11.5%)	14	(9.4%)
No	18	(29.0%)	22	(25.3%)	40	(26.8%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	17	(28.8%)	33	(39.3%)	50	(35.0%)
Yes	2	(3.4%)	5	(6.0%)	7	(4.9%)
No	40	(67.8%)	46	(54.8%)	86	(60.1%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 134 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does the type of bowe	movement bother you		
Pre-treatment			
Ν	89	97	186
Missing	1	2	3
Mean	4.6	5.3	4.9
SD	3.55	3.63	3.60
Minimum	0	0	0
Median	5.0	6.0	5.0
Maximum	10	10	10
Week 6			
Ν	60	84	144
Missing	2	3	5
Mean	4.5	4.7	4.6
SD	3.49	3.00	3.20
Minimum	0	0	0
Median	4.0	5.0	4.5
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	60	83	143
Missing	30	16	46
Mean	-0.2	-0.6	-0.4
SD	3.21	3.11	3.15
Minimum	-8	-10	-10
Median	0.0	0.0	0.0
Maximum	7	7	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 135 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does the type of boy	wel movement bother you		
Week 24			
Ν	56	81	137
Missing	3	3	6
Mean	3.4	4.7	4.2
SD	3.11	3.08	3.14
Minimum	0	0	0
Median	3.0	5.0	4.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	55	80	135
Missing	35	19	54
Mean	-0.8	-0.5	-0.6
SD	3.14	3.58	3.39
Minimum	-7	-10	-10
Median	0.0	0.0	0.0
Maximum	6	10	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 136 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Do you ever experience bleeding	from the back pa	ssage					
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	46	(51.1%)	60	(60.6%)	106	(56.1%)	
Rarely	26	(28.9%)	26	(26.3%)	52	(27.5%)	
Some of the time	16	(17.8%)	10	(10.1%)	26	(13.8%)	
Most of the time	1	(1.1%)	3	(3.0%)	4	(2.1%)	
Always	1	(1.1%)	0	(0.0%)	1	(0.5%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	1	(1.6%)	2	(2.3%)	3	(2.0%)	
Never	36	(58.1%)	52	(59.8%)	88	(59.1%)	
Rarely	15	(24.2%)	20	(23.0%)	35	(23.5%)	
Some of the time	10	(16.1%)	13	(14.9%)	23	(15.4%)	
Most of the time	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Always	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%)	
Never	31	(52.5%)	55	(65.5%)	86	(60.1%)	
Rarely	18	(30.5%)	20	(23.8%)	38	(26.6%)	
Some of the time	8	(13.6%)	7	(8.3%)	15	(10.5%)	
Most of the time	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Always	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 137 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does bleeding from t	he back passage bother you		
Pre-treatment			
Ν	84	88	172
Missing	6	11	17
Mean	2.3	2.0	2.1
SD	3.18	3.21	3.19
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	10	10	10
Week 6			
Ν	57	79	136
Missing	5	8	13
Mean	2.1	1.7	1.9
SD	3.18	2.63	2.87
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	55	70	125
Missing	35	29	64
Mean	-0.1	-0.2	-0.2
SD	2.87	2.64	2.73
Minimum	-8	-10	-10
Median	0.0	0.0	0.0
Maximum	7	7	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 138 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does bleeding from	the back passage bother you		
Week 24			
Ν	53	73	126
Missing	6	11	17
Mean	2.3	1.8	2.0
SD	3.25	2.91	3.06
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	49	66	115
Missing	41	33	74
Mean	-0.0	-0.3	-0.2
SD	3.08	2.41	2.71
Minimum	-7	-9	-9
Median	0.0	0.0	0.0
Maximum	8	8	8

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 139 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

Variable		ominal ssage	Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)
Do you ever feel that your abdor	nen is bloated					
Pre-treatment						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Never	7	(7.8%)	4	(4.0%)	11	(5.8%)
Rarely	7	(7.8%)	13	(13.1%)	20	(10.6%)
Some of the time	36	(40.0%)	40	(40.4%)	76	(40.2%)
Most of the time	31	(34.4%)	26	(26.3%)	57	(30.2%)
Always	9	(10.0%)	16	(16.2%)	25	(13.2%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	1	(1.6%)	2	(2.3%)	3	(2.0%)
Never	2	(3.2%)	4	(4.6%)	6	(4.0%)
Rarely	9	(14.5%)	13	(14.9%)	22	(14.8%)
Some of the time	23	(37.1%)	41	(47.1%)	64	(43.0%)
Most of the time	18	(29.0%)	17	(19.5%)	35	(23.5%)
Always	9	(14.5%)	10	(11.5%)	19	(12.8%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%)
Never	4	(6.8%)	3	(3.6%)	7	(4.9%)
Rarely	10	(16.9%)	8	(9.5%)	18	(12.6%)
Some of the time	27	(45.8%)	39	(46.4%)	66	(46.2%)
Most of the time	13	(22.0%)	21	(25.0%)	34	(23.8%)
Always	4	(6.8%)	11	(13.1%)	15	(10.5%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 140 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does bloating of your	abdomen bother you		
Pre-treatment			
Ν	89	98	187
Missing	1	1	2
Mean	5.6	6.1	5.9
SD	3.23	3.21	3.22
Minimum	0	0	0
Median	6.0	7.0	6.0
Maximum	10	10	10
Week 6			
Ν	61	85	146
Missing	1	2	3
Mean	5.6	6.0	5.8
SD	3.17	2.92	3.02
Minimum	0	0	0
Median	5.0	7.0	6.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	61	84	145
Missing	29	15	44
Mean	-0.1	0.2	0.0
SD	2.29	2.25	2.26
Minimum	-6	-8	-8
Median	0.0	0.0	0.0
Maximum	7	6	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 141 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does bloating of y	our abdomen bother you		
Week 24			
Ν	57	82	139
Missing	2	2	4
Mean	5.0	6.1	5.7
SD	3.13	2.83	3.00
Minimum	0	0	0
Median	5.0	7.0	6.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	56	81	137
Missing	34	18	52
Mean	-0.6	0.4	-0.0
SD	3.14	2.79	2.97
Minimum	-7	-7	-7
Median	-0.5	0.0	0.0
Maximum	10	8	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 142 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		ominal ssage		ndard are	T	otal
Variable	Ν	(%)	N	(%)	N	(%)
Do you ever experience abdomir	al pain because of	bowel problem	ns			
Pre-treatment						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Never	18	(20.0%)	20	(20.2%)	38	(20.1%)
Rarely	19	(21.1%)	18	(18.2%)	37	(19.6%)
Some of the time	39	(43.3%)	47	(47.5%)	86	(45.5%)
Most of the time	9	(10.0%)	13	(13.1%)	22	(11.6%)
Always	5	(5.6%)	1	(1.0%)	6	(3.2%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	1	(1.6%)	2	(2.3%)	3	(2.0%)
Never	8	(12.9%)	12	(13.8%)	20	(13.4%)
Rarely	22	(35.5%)	25	(28.7%)	47	(31.5%)
Some of the time	23	(37.1%)	39	(44.8%)	62	(41.6%)
Most of the time	6	(9.7%)	7	(8.0%)	13	(8.7%)
Always	2	(3.2%)	2	(2.3%)	4	(2.7%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	1	(1.7%)	2	(2.4%)	3	(2.1%)
Never	11	(18.6%)	16	(19.0%)	27	(18.9%)
Rarely	22	(37.3%)	22	(26.2%)	44	(30.8%)
Some of the time	20	(33.9%)	32	(38.1%)	52	(36.4%)
Most of the time	4	(6.8%)	10	(11.9%)	14	(9.8%)
Always	1	(1.7%)	2	(2.4%)	3	(2.1%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 143 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does abdominal pain	because of bowel problems l	oother you	
Pre-treatment			
Ν	87	97	184
Missing	3	2	5
Mean	4.6	5.0	4.8
SD	3.42	3.31	3.36
Minimum	0	0	0
Median	4.0	6.0	5.0
Maximum	10	10	10
Veek 6			
Ν	60	85	145
Missing	2	2	4
Mean	4.4	4.7	4.6
SD	3.33	2.88	3.06
Minimum	0	0	0
Median	4.0	4.0	4.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	59	83	142
Missing	31	16	47
Mean	0.1	-0.2	-0.1
SD	2.86	2.69	2.76
Minimum	-7	-8	-8
Median	0.0	0.0	0.0
Maximum	10	6	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 144 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable	- 		
How much does abdominal p	ain because of bowel problems l	bother you	
Week 24			
Ν	56	80	136
Missing	3	4	7
Mean	4.1	4.5	4.3
SD	3.33	3.26	3.28
Minimum	0	0	0
Median	3.0	5.0	4.5
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	54	79	133
Missing	36	20	56
Mean	-0.2	-0.4	-0.3
SD	3.21	2.74	2.93
Minimum	-10	-8	-10
Median	0.0	0.0	0.0
Maximum	8	5	8
AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 145 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Do you ever experience pain in o	or around back pa	ssage due to bo	wel prol	blems			
Pre-treatment							
Missing	0	(0.0%)	1	(1.0%)	1	(0.5%)	
Never	28	(31.1%)	39	(39.4%)	67	(35.4%)	
Rarely	26	(28.9%)	27	(27.3%)	53	(28.0%)	
Some of the time	31	(34.4%)	30	(30.3%)	61	(32.3%)	
Most of the time	4	(4.4%)	1	(1.0%)	5	(2.6%)	
Always	1	(1.1%)	1	(1.0%)	2	(1.1%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	1	(1.6%)	2	(2.3%)	3	(2.0%)	
Never	20	(32.3%)	30	(34.5%)	50	(33.6%)	
Rarely	21	(33.9%)	28	(32.2%)	49	(32.9%)	
Some of the time	16	(25.8%)	24	(27.6%)	40	(26.8%)	
Most of the time	3	(4.8%)	3	(3.4%)	6	(4.0%)	
Always	1	(1.6%)	0	(0.0%)	1	(0.7%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Never	17	(28.8%)	29	(34.5%)	46	(32.2%)	
Rarely	26	(44.1%)	30	(35.7%)	56	(39.2%)	
Some of the time	14	(23.7%)	21	(25.0%)	35	(24.5%)	
Most of the time	2	(3.4%)	3	(3.6%)	5	(3.5%)	
Always	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 146 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does pain in or around	d back passage because of b	owel problems bother ye	Du
Pre-treatment			
Ν	86	94	180
Missing	4	5	9
Mean	3.6	3.5	3.5
SD	3.27	3.41	3.33
Minimum	0	0	0
Median	3.0	3.0	3.0
Maximum	10	10	10
Week 6			
Ν	62	82	144
Missing	0	5	5
Mean	3.0	3.2	3.1
SD	3.21	2.90	3.03
Minimum	0	0	0
Median	2.0	3.0	2.5
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	59	77	136
Missing	31	22	53
Mean	-0.2	-0.2	-0.2
SD	2.72	3.49	3.16
Minimum	-6	-10	-10
Median	0.0	0.0	0.0
Maximum	7	10	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 147 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does pain in or arou	nd back passage because of b	owel problems bother y	0 u
Week 24			
Ν	56	81	137
Missing	3	3	6
Mean	3.1	3.3	3.2
SD	3.00	2.97	2.97
Minimum	0	0	0
Median	2.0	3.0	3.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	52	78	130
Missing	38	21	59
Mean	-0.4	-0.1	-0.2
SD	3.03	3.20	3.13
Minimum	-7	-10	-10
Median	0.0	0.0	0.0
Maximum	8	8	8

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 148 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Do you ever find that your bowe	l problem interfer	es with your bl	adder				
Pre-treatment							
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)	
Never	21	(23.3%)	27	(27.3%)	48	(25.4%)	
Rarely	13	(14.4%)	8	(8.1%)	21	(11.1%)	
Some of the time	30	(33.3%)	37	(37.4%)	67	(35.4%)	
Most of the time	19	(21.1%)	14	(14.1%)	33	(17.5%)	
Always	6	(6.7%)	13	(13.1%)	19	(10.1%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	3	(3.4%)	3	(2.0%)	
Never	17	(27.4%)	13	(14.9%)	30	(20.1%)	
Rarely	7	(11.3%)	10	(11.5%)	17	(11.4%)	
Some of the time	25	(40.3%)	41	(47.1%)	66	(44.3%)	
Most of the time	9	(14.5%)	15	(17.2%)	24	(16.1%)	
Always	4	(6.5%)	5	(5.7%)	9	(6.0%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	2	(2.4%)	2	(1.4%)	
Never	13	(22.0%)	19	(22.6%)	32	(22.4%)	
Rarely	12	(20.3%)	14	(16.7%)	26	(18.2%)	
Some of the time	23	(39.0%)	30	(35.7%)	53	(37.1%)	
Most of the time	9	(15.3%)	16	(19.0%)	25	(17.5%)	
Always	2	(3.4%)	3	(3.6%)	5	(3.5%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 149 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total			
Variable						
How much does your bowel problem interfering with your bladder bother you						
Pre-treatment						
Ν	88	95	183			
Missing	2	4	6			
Mean	4.5	4.9	4.7			
SD	3.52	3.79	3.66			
Minimum	0	0	0			
Median	4.5	6.0	5.0			
Maximum	10	10	10			
Week 6						
Ν	61	82	143			
Missing	1	5	6			
Mean	4.4	5.4	5.0			
SD	3.68	3.02	3.34			
Minimum	0	0	0			
Median	4.0	5.5	5.0			
Maximum	10	10	10			
Pre-treatment vs. Week 6						
Ν	60	78	138			
Missing	30	21	51			
Mean	0.1	0.5	0.3			
SD	2.68	2.81	2.75			
Minimum	-8	-6	-8			
Median	0.0	0.0	0.0			
Maximum	6	8	8			

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 150 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does your bowel j	problem interfering with your bl	adder bother you	
Week 24			
Ν	56	79	135
Missing	3	5	8
Mean	4.3	4.9	4.6
SD	3.26	3.44	3.37
Minimum	0	0	0
Median	4.0	5.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	54	76	130
Missing	36	23	59
Mean	-0.0	0.1	0.0
SD	3.00	2.94	2.95
Minimum	-9	-5	-9
Median	0.0	0.0	0.0
Maximum	8	10	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 151 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Do you ever find that your bowe	el problem stops yo	ou from concen	trating a	as much as you	would li	ke	
Pre-treatment							
Missing	0	(0.0%)	1	(1.0%)	1	(0.5%)	
Never	21	(23.3%)	19	(19.2%)	40	(21.2%)	
Rarely	22	(24.4%)	19	(19.2%)	41	(21.7%)	
Some of the time	35	(38.9%)	51	(51.5%)	86	(45.5%)	
Most of the time	8	(8.9%)	7	(7.1%)	15	(7.9%)	
Always	4	(4.4%)	2	(2.0%)	6	(3.2%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	3	(3.4%)	3	(2.0%)	
Never	17	(27.4%)	11	(12.6%)	28	(18.8%)	
Rarely	19	(30.6%)	22	(25.3%)	41	(27.5%)	
Some of the time	20	(32.3%)	40	(46.0%)	60	(40.3%)	
Most of the time	4	(6.5%)	9	(10.3%)	13	(8.7%)	
Always	2	(3.2%)	2	(2.3%)	4	(2.7%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Never	14	(23.7%)	10	(11.9%)	24	(16.8%)	
Rarely	21	(35.6%)	24	(28.6%)	45	(31.5%)	
Some of the time	22	(37.3%)	39	(46.4%)	61	(42.7%)	
Most of the time	1	(1.7%)	6	(7.1%)	7	(4.9%)	
Always	1	(1.7%)	4	(4.8%)	5	(3.5%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal Massage	Standard Care	Total				
Variable							
How much does your bowel problem stopping you from concentrating as much as you would like bother you							
Pre-treatment							
Ν	89	96	185				
Missing	1	3	4				
Mean	4.0	4.8	4.4				
SD	3.42	3.22	3.33				
Minimum	0	0	0				
Median	4.0	5.0	5.0				
Maximum	10	10	10				
Week 6							
Ν	61	82	143				
Missing	1	5	6				
Mean	3.6	4.7	4.3				
SD	3.19	2.88	3.06				
Minimum	0	0	0				
Median	3.0	5.0	4.0				
Maximum	10	10	10				
Pre-treatment vs. Week 6							
Ν	60	80	140				
Missing	30	19	49				
Mean	-0.2	-0.2	-0.2				
SD	2.78	2.61	2.68				
Minimum	-7	-5	-7				
Median	0.0	0.0	0.0				
Maximum	6	6	6				

- calculated values

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	Abdominal Massage	Standard Care	Total
Variable	Massage	Standard Care	Total
How much does your bowel pro bother you	blem stopping you from conc	entrating as much as yo	u would like
Week 24			
Ν	56	82	138
Missing	3	2	5
Mean	3.4	4.8	4.3
SD	2.92	3.04	3.06
Minimum	0	0	0
Median	3.0	5.0	4.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	55	81	136
Missing	35	18	53
Mean	-0.6	0.0	-0.3
SD	3.29	2.74	2.98
Minimum	-10	-5	-10
Median	0.0	0.0	0.0
Maximum	7	10	10

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Variable		ominal ssage		ndard are	T	otal
	Ν	(%)	N	(%)	N	(%)
Do you ever find that you get au	tonomic dysreflexi	a because of yo	our bowe	els		
Pre-treatment						
Missing	4	(4.4%)	9	(9.1%)	13	(6.9%)
Never	80	(88.9%)	85	(85.9%)	165	(87.3%)
Rarely	3	(3.3%)	2	(2.0%)	5	(2.6%)
Some of the time	0	(0.0%)	1	(1.0%)	1	(0.5%)
Most of the time	1	(1.1%)	2	(2.0%)	3	(1.6%)
Always	2	(2.2%)	0	(0.0%)	2	(1.1%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	5	(8.1%)	11	(12.6%)	16	(10.7%)
Never	54	(87.1%)	73	(83.9%)	127	(85.2%)
Rarely	2	(3.2%)	0	(0.0%)	2	(1.3%)
Some of the time	1	(1.6%)	3	(3.4%)	4	(2.7%)
Most of the time	0	(0.0%)	0	(0.0%)	0	(0.0%)
Always	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	5	(8.5%)	6	(7.1%)	11	(7.7%)
Never	53	(89.8%)	74	(88.1%)	127	(88.8%)
Rarely	0	(0.0%)	2	(2.4%)	2	(1.4%)
Some of the time	1	(1.7%)	2	(2.4%)	3	(2.1%)
Most of the time	0	(0.0%)	0	(0.0%)	0	(0.0%)
Always	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

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	Abdominal Massage	Standard Care	Total				
Variable			1000				
How much does autonomic dysreflexia because of your bowels bother you							
Pre-treatment							
Ν	81	76	157				
Missing	9	23	32				
Mean	0.6	0.4	0.5				
SD	2.09	1.62	1.87				
Minimum	0	0	0				
Median	0.0	0.0	0.0				
Maximum	10	9	10				
Veek 6							
Ν	57	67	124				
Missing	5	20	25				
Mean	0.3	0.3	0.3				
SD	1.50	1.33	1.41				
Minimum	0	0	0				
Median	0.0	0.0	0.0				
Maximum	8	7	8				
Pre-treatment vs. Week 6							
Ν	53	54	107				
Missing	37	45	82				
Mean	-0.0	-0.0	-0.0				
SD	1.44	1.30	1.37				
Minimum	-6	-5	-6				
Median	0.0	0.0	0.0				
Maximum	8	7	8				

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	Abdominal Massage	Standard Care	Total
Variable			
How much does autonomic d	ysreflexia because of your bowe	ls bother you	
Week 24			
Ν	46	72	118
Missing	13	12	25
Mean	0.1	0.3	0.2
SD	0.88	1.30	1.16
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	6	8	8
Pre-treatment vs. Week 24			
Ν	41	57	98
Missing	49	42	91
Mean	-0.3	0.1	-0.1
SD	1.41	1.34	1.38
Minimum	-8	-5	-8
Median	0.0	0.0	0.0
Maximum	0	8	8

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Variable		Abdominal Massage		Standard Care		Total	
	N	(%)	N	(%)	Ν	(%)	
Do you have a routine day or tin	ne for bowel care						
Pre-treatment							
Missing	0	(0.0%)	1	(1.0%)	1	(0.5%)	
Always	10	(11.1%)	12	(12.1%)	22	(11.6%)	
Most of the time	13	(14.4%)	16	(16.2%)	29	(15.3%)	
Some of the time	9	(10.0%)	12	(12.1%)	21	(11.1%)	
Rarely	11	(12.2%)	11	(11.1%)	22	(11.6%)	
Never	47	(52.2%)	47	(47.5%)	94	(49.7%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	2	(3.2%)	1	(1.1%)	3	(2.0%)	
Always	6	(9.7%)	7	(8.0%)	13	(8.7%)	
Most of the time	12	(19.4%)	16	(18.4%)	28	(18.8%)	
Some of the time	15	(24.2%)	15	(17.2%)	30	(20.1%)	
Rarely	9	(14.5%)	21	(24.1%)	30	(20.1%)	
Never	18	(29.0%)	27	(31.0%)	45	(30.2%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Always	4	(6.8%)	6	(7.1%)	10	(7.0%)	
Most of the time	14	(23.7%)	13	(15.5%)	27	(18.9%)	
Some of the time	15	(25.4%)	15	(17.9%)	30	(21.0%)	
Rarely	11	(18.6%)	12	(14.3%)	23	(16.1%)	
Never	15	(25.4%)	37	(44.0%)	52	(36.4%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal Massage	Standard Care	Total
Variable			
How much does having a routing	e day or time for bowel care	bother you	
Pre-treatment			
Ν	87	93	180
Missing	3	6	9
Mean	3.9	3.4	3.6
SD	3.54	3.48	3.51
Minimum	0	0	0
Median	3.0	3.0	3.0
Maximum	10	10	10
Week 6			
Ν	59	83	142
Missing	3	4	7
Mean	3.5	3.7	3.6
SD	3.04	2.98	3.00
Minimum	0	0	0
Median	3.0	3.0	3.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	59	78	137
Missing	31	21	52
Mean	-0.8	0.7	0.0
SD	3.00	3.67	3.47
Minimum	-10	-10	-10
Median	0.0	0.0	0.0
Maximum	4	8	8

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	Abdominal Massage	Standard Care	Total
Variable	- -		
How much does having a rou	tine day or time for bowel care	bother you	
Week 24			
Ν	56	78	134
Missing	3	6	9
Mean	3.1	3.9	3.6
SD	3.05	3.14	3.12
Minimum	0	0	0
Median	2.0	4.0	3.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	56	74	130
Missing	34	25	59
Mean	-1.1	0.8	-0.0
SD	3.61	4.15	4.03
Minimum	-10	-10	-10
Median	0.0	0.0	0.0
Maximum	8	10	10

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		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Do you have less energy on days	you open your bo	wels					
Pre-treatment							
Missing	2	(2.2%)	1	(1.0%)	3	(1.6%)	
Never	50	(55.6%)	56	(56.6%)	106	(56.1%)	
Rarely	15	(16.7%)	14	(14.1%)	29	(15.3%)	
Some of the time	18	(20.0%)	22	(22.2%)	40	(21.2%)	
Most of the time	1	(1.1%)	3	(3.0%)	4	(2.1%)	
Always	4	(4.4%)	3	(3.0%)	7	(3.7%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	2	(3.2%)	1	(1.1%)	3	(2.0%)	
Never	25	(40.3%)	31	(35.6%)	56	(37.6%)	
Rarely	20	(32.3%)	28	(32.2%)	48	(32.2%)	
Some of the time	9	(14.5%)	21	(24.1%)	30	(20.1%)	
Most of the time	4	(6.5%)	6	(6.9%)	10	(6.7%)	
Always	2	(3.2%)	0	(0.0%)	2	(1.3%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	2	(2.4%)	2	(1.4%)	
Never	28	(47.5%)	34	(40.5%)	62	(43.4%)	
Rarely	13	(22.0%)	25	(29.8%)	38	(26.6%)	
Some of the time	12	(20.3%)	17	(20.2%)	29	(20.3%)	
Most of the time	4	(6.8%)	5	(6.0%)	9	(6.3%)	
Always	2	(3.4%)	1	(1.2%)	3	(2.1%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal		
Variable	Massage	Standard Care	Total
Does having less energy on the d	ays you open your bowels bo	ther you	
Pre-treatment			
Ν	86	93	179
Missing	4	6	10
Mean	2.2	2.1	2.2
SD	3.07	3.18	3.12
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	10	10	10
Week 6			
Ν	58	83	141
Missing	4	4	8
Mean	2.1	2.8	2.5
SD	2.96	2.86	2.91
Minimum	0	0	0
Median	0.5	2.0	2.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	56	78	134
Missing	34	21	55
Mean	0.0	0.9	0.5
SD	2.98	2.75	2.87
Minimum	-9	-6	-9
Median	0.0	0.0	0.0
Maximum	9	9	9

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	Abdominal Massage	Standard Care	Total
Variable			
Does having less energy on th	e days you open your bowels bo	other you	
Week 24			
Ν	55	79	134
Missing	4	5	9
Mean	2.3	2.8	2.6
SD	3.09	3.15	3.12
Minimum	0	0	0
Median	1.0	2.0	1.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	54	74	128
Missing	36	25	61
Mean	-0.1	0.9	0.5
SD	3.30	3.43	3.40
Minimum	-8	-5	-8
Median	0.0	0.0	0.0
Maximum	9	10	10

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		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Do your bowels open when you o	expect them to						
Pre-treatment							
Missing	0	(0.0%)	1	(1.0%)	1	(0.5%)	
Never	21	(23.3%)	20	(20.2%)	41	(21.7%)	
Rarely	26	(28.9%)	28	(28.3%)	54	(28.6%)	
Some of the time	27	(30.0%)	31	(31.3%)	58	(30.7%)	
Most of the time	11	(12.2%)	18	(18.2%)	29	(15.3%)	
Always	5	(5.6%)	1	(1.0%)	6	(3.2%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	1	(1.6%)	1	(1.1%)	2	(1.3%)	
Never	10	(16.1%)	13	(14.9%)	23	(15.4%)	
Rarely	18	(29.0%)	36	(41.4%)	54	(36.2%)	
Some of the time	18	(29.0%)	23	(26.4%)	41	(27.5%)	
Most of the time	14	(22.6%)	14	(16.1%)	28	(18.8%)	
Always	1	(1.6%)	0	(0.0%)	1	(0.7%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	2	(3.4%)	0	(0.0%)	2	(1.4%)	
Never	6	(10.2%)	5	(6.0%)	11	(7.7%)	
Rarely	14	(23.7%)	34	(40.5%)	48	(33.6%)	
Some of the time	28	(47.5%)	31	(36.9%)	59	(41.3%)	
Most of the time	8	(13.6%)	14	(16.7%)	22	(15.4%)	
Always	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered by b	oowels not opening when exp	pected	
Pre-treatment			
Ν	89	97	186
Missing	1	2	3
Mean	5.5	5.8	5.6
SD	3.36	3.32	3.33
Minimum	0	0	0
Median	6.0	6.0	6.0
Maximum	10	10	10
Week 6			
Ν	61	85	146
Missing	1	2	3
Mean	5.2	5.7	5.5
SD	3.33	2.74	3.00
Minimum	0	0	C
Median	5.0	6.0	6.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	61	84	145
Missing	29	15	44
Mean	-0.1	0.1	0.0
SD	3.45	2.62	2.99
Minimum	-10	-7	-10
Median	0.0	0.0	0.0
Maximum	9	8	9

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	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered	by bowels not opening when exp	pected	
Week 24			
Ν	55	84	139
Missing	4	0	4
Mean	4.5	5.9	5.4
SD	2.84	2.70	2.83
Minimum	0	0	0
Median	4.0	6.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	55	82	137
Missing	35	17	52
Mean	-0.9	0.3	-0.2
SD	3.28	2.90	3.11
Minimum	-10	-7	-10
Median	0.0	0.0	0.0
Maximum	5	9	9

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Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
How long on average do you sp	end opening your b	owels					
Pre-treatment							
Missing	0	(0.0%)	1	(1.0%)	1	(0.5%)	
<15 minutes	49	(54.4%)	48	(48.5%)	97	(51.3%)	
15-30 minutes	31	(34.4%)	37	(37.4%)	68	(36.0%)	
31-60 minutes	6	(6.7%)	12	(12.1%)	18	(9.5%)	
1-2 hours	1	(1.1%)	1	(1.0%)	2	(1.1%)	
>2 hours	3	(3.3%)	0	(0.0%)	3	(1.6%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	1	(1.6%)	1	(1.1%)	2	(1.3%)	
<15 minutes	37	(59.7%)	46	(52.9%)	83	(55.7%)	
15-30 minutes	18	(29.0%)	30	(34.5%)	48	(32.2%)	
31-60 minutes	5	(8.1%)	8	(9.2%)	13	(8.7%)	
1-2 hours	1	(1.6%)	2	(2.3%)	3	(2.0%)	
>2 hours	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	2	(3.4%)	0	(0.0%)	2	(1.4%)	
<15 minutes	39	(66.1%)	43	(51.2%)	82	(57.3%)	
15-30 minutes	13	(22.0%)	32	(38.1%)	45	(31.5%)	
31-60 minutes	4	(6.8%)	8	(9.5%)	12	(8.4%)	
1-2 hours	0	(0.0%)	0	(0.0%)	0	(0.0%)	
>2 hours	1	(1.7%)	1	(1.2%)	2	(1.4%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal Massage	Standard Care	Total
Variable			
How much does the time spent o	on average opening your bow	els bother you	
Pre-treatment			
Ν	90	98	188
Missing	0	1	1
Mean	4.6	5.3	5.0
SD	3.47	3.44	3.47
Minimum	0	0	0
Median	4.0	6.0	5.0
Maximum	10	10	10
Week 6			
Ν	61	85	146
Missing	1	2	3
Mean	3.5	4.6	4.2
SD	3.07	3.06	3.10
Minimum	0	0	0
Median	3.0	5.0	4.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	61	84	145
Missing	29	15	44
Mean	-1.0	-0.6	-0.8
SD	2.96	2.85	2.89
Minimum	-10	-7	-10
Median	0.0	0.0	0.0
Maximum	5	10	10

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	Abdominal Massage	Standard Care	Total
Variable			
How much does the time spe	nt on average opening your bow	els bother you	
Week 24			
Ν	57	83	140
Missing	2	1	3
Mean	3.6	4.7	4.3
SD	3.06	3.17	3.16
Minimum	0	0	0
Median	3.0	5.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	57	82	139
Missing	33	17	50
Mean	-1.0	-0.7	-0.8
SD	3.58	3.16	3.33
Minimum	-10	-10	-10
Median	0.0	0.0	0.0
Maximum	6	10	10

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		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Do you alter what you eat becau	se of your bowel p	roblem					
Pre-treatment							
Missing	0	(0.0%)	1	(1.0%)	1	(0.5%)	
Never	23	(25.6%)	28	(28.3%)	51	(27.0%)	
Rarely	12	(13.3%)	13	(13.1%)	25	(13.2%)	
Some of the time	31	(34.4%)	32	(32.3%)	63	(33.3%)	
Most of the time	18	(20.0%)	19	(19.2%)	37	(19.6%)	
Always	6	(6.7%)	6	(6.1%)	12	(6.3%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	1	(1.6%)	2	(2.3%)	3	(2.0%)	
Never	9	(14.5%)	13	(14.9%)	22	(14.8%)	
Rarely	13	(21.0%)	17	(19.5%)	30	(20.1%)	
Some of the time	29	(46.8%)	41	(47.1%)	70	(47.0%)	
Most of the time	5	(8.1%)	11	(12.6%)	16	(10.7%)	
Always	5	(8.1%)	3	(3.4%)	8	(5.4%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	2	(3.4%)	0	(0.0%)	2	(1.4%)	
Never	9	(15.3%)	14	(16.7%)	23	(16.1%)	
Rarely	15	(25.4%)	11	(13.1%)	26	(18.2%)	
Some of the time	25	(42.4%)	44	(52.4%)	69	(48.3%)	
Most of the time	4	(6.8%)	10	(11.9%)	14	(9.8%)	
Always	4	(6.8%)	5	(6.0%)	9	(6.3%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 170 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does altering what y	ou eat because of the bowel p	roblem bother you	
Pre-treatment			
Ν	90	96	186
Missing	0	3	3
Mean	3.0	3.2	3.1
SD	2.81	2.92	2.86
Minimum	0	0	0
Median	3.0	3.0	3.0
Maximum	10	10	10
Week 6			
Ν	61	84	145
Missing	1	3	4
Mean	2.9	3.6	3.3
SD	2.89	2.76	2.83
Minimum	0	0	0
Median	2.0	3.0	3.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	61	81	142
Missing	29	18	47
Mean	-0.2	0.5	0.2
SD	2.65	3.21	2.99
Minimum	-8	-7	-8
Median	0.0	0.0	0.0
Maximum	8	8	8

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 171 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does altering what	t you eat because of the bowel p	roblem bother you	
Week 24			
Ν	55	84	139
Missing	4	0	4
Mean	2.6	3.6	3.2
SD	2.73	2.84	2.83
Minimum	0	0	0
Median	2.0	4.0	3.0
Maximum	8	9	9
Pre-treatment vs. Week 24			
Ν	55	81	136
Missing	35	18	53
Mean	-0.4	0.5	0.1
SD	2.74	2.90	2.86
Minimum	-6	-6	-6
Median	0.0	0.0	0.0
Maximum	7	8	8

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 172 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		ominal ssage		ndard are	T	otal
Variable	Ν	(%)	N	(%)	N	(%)
Do you use medications to stop o	opening your bowe	ls				
Pre-treatment						
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)
Never	77	(85.6%)	87	(87.9%)	164	(86.8%)
Rarely	6	(6.7%)	7	(7.1%)	13	(6.9%)
Some of the time	4	(4.4%)	3	(3.0%)	7	(3.7%)
Always	2	(2.2%)	2	(2.0%)	4	(2.1%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	0	(0.0%)	1	(1.1%)	1	(0.7%)
Never	54	(87.1%)	74	(85.1%)	128	(85.9%)
Rarely	6	(9.7%)	7	(8.0%)	13	(8.7%)
Some of the time	0	(0.0%)	5	(5.7%)	5	(3.4%)
Always	2	(3.2%)	0	(0.0%)	2	(1.3%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	1	(1.7%)	0	(0.0%)	1	(0.7%)
Never	50	(84.7%)	67	(79.8%)	117	(81.8%)
Rarely	4	(6.8%)	12	(14.3%)	16	(11.2%)
Some of the time	3	(5.1%)	3	(3.6%)	6	(4.2%)
Always	1	(1.7%)	2	(2.4%)	3	(2.1%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 173 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal		
	Massage	Standard Care	Total
Variable			
How much does using medication	ns to stop your bowels openin	ng bother you	
Pre-treatment			
Ν	83	90	173
Missing	7	9	16
Mean	0.8	0.5	0.7
SD	2.35	1.64	2.01
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	10	9	10
Week 6			
Ν	60	79	139
Missing	2	8	10
Mean	0.6	0.7	0.7
SD	1.78	2.03	1.92
Minimum	0	0	(
Median	0.0	0.0	0.0
Maximum	10	9	10
Pre-treatment vs. Week 6			
Ν	56	75	131
Missing	34	24	58
Mean	-0.1	0.3	0.1
SD	1.84	2.36	2.15
Minimum	-8	-8	-8
Median	0.0	0.0	0.0
Maximum	7	9	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 174 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does using medic	ations to stop your bowels openi	ng bother you	
Week 24			
Ν	52	77	129
Missing	7	7	14
Mean	0.7	0.9	0.8
SD	1.81	2.30	2.12
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	7	10	10
Pre-treatment vs. Week 24			
Ν	47	69	116
Missing	43	30	73
Mean	-0.1	0.6	0.3
SD	1.51	2.67	2.28
Minimum	-8	-7	-8
Median	0.0	0.0	0.0
Maximum	5	10	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 175 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Do you strain to open your bowels						
Pre-treatment						
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)
Never	6	(6.7%)	12	(12.1%)	18	(9.5%)
Rarely	8	(8.9%)	13	(13.1%)	21	(11.1%)
Some of the time	29	(32.2%)	32	(32.3%)	61	(32.3%)
Most of the time	31	(34.4%)	34	(34.3%)	65	(34.4%)
Always	15	(16.7%)	8	(8.1%)	23	(12.2%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Never	5	(8.1%)	6	(6.9%)	11	(7.4%)
Rarely	13	(21.0%)	11	(12.6%)	24	(16.1%)
Some of the time	22	(35.5%)	41	(47.1%)	63	(42.3%)
Most of the time	15	(24.2%)	19	(21.8%)	34	(22.8%)
Always	7	(11.3%)	10	(11.5%)	17	(11.4%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	1	(1.7%)	0	(0.0%)	1	(0.7%)
Never	5	(8.5%)	5	(6.0%)	10	(7.0%)
Rarely	7	(11.9%)	14	(16.7%)	21	(14.7%)
Some of the time	30	(50.8%)	37	(44.0%)	67	(46.9%)
Most of the time	10	(16.9%)	25	(29.8%)	35	(24.5%)
Always	6	(10.2%)	3	(3.6%)	9	(6.3%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 176 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does straining to ope	n your bowels bother you		
Pre-treatment			
Ν	88	99	187
Missing	2	0	2
Mean	5.8	5.5	5.7
SD	3.17	3.42	3.30
Minimum	0	0	0
Median	6.0	6.0	6.0
Maximum	10	10	10
Week 6			
Ν	62	86	148
Missing	0	1	1
Mean	5.0	5.5	5.3
SD	3.56	3.02	3.26
Minimum	0	0	0
Median	5.5	7.0	6.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	61	86	147
Missing	29	13	42
Mean	-0.7	-0.1	-0.4
SD	2.87	2.57	2.70
Minimum	-7	-7	-7
Median	0.0	0.0	0.0
Maximum	8	7	8

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 177 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does straining to o	pen your bowels bother you		
Week 24			
Ν	57	82	139
Missing	2	2	4
Mean	4.6	5.4	5.1
SD	3.17	2.85	3.00
Minimum	0	0	0
Median	4.0	6.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	57	82	139
Missing	33	17	50
Mean	-1.2	-0.1	-0.6
SD	3.16	2.70	2.94
Minimum	-10	-7	-10
Median	0.0	0.0	0.0
Maximum	6	8	8

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 178 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)	
Do you use your fingers to help e	empty bowel						
Pre-treatment							
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)	
Never	57	(63.3%)	61	(61.6%)	118	(62.4%)	
Rarely	9	(10.0%)	8	(8.1%)	17	(9.0%)	
Some of the time	11	(12.2%)	16	(16.2%)	27	(14.3%)	
Most of the time	6	(6.7%)	9	(9.1%)	15	(7.9%)	
Always	6	(6.7%)	5	(5.1%)	11	(5.8%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	1	(1.1%)	1	(0.7%)	
Never	37	(59.7%)	50	(57.5%)	87	(58.4%)	
Rarely	8	(12.9%)	8	(9.2%)	16	(10.7%)	
Some of the time	8	(12.9%)	15	(17.2%)	23	(15.4%)	
Most of the time	5	(8.1%)	8	(9.2%)	13	(8.7%)	
Always	4	(6.5%)	5	(5.7%)	9	(6.0%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Never	34	(57.6%)	47	(56.0%)	81	(56.6%)	
Rarely	8	(13.6%)	8	(9.5%)	16	(11.2%)	
Some of the time	8	(13.6%)	16	(19.0%)	24	(16.8%)	
Most of the time	6	(10.2%)	8	(9.5%)	14	(9.8%)	
Always	2	(3.4%)	5	(6.0%)	7	(4.9%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 179 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does the use of finger	s to help empty bowel bothe	r you	
Pre-treatment			
Ν	86	97	183
Missing	4	2	6
Mean	2.7	2.8	2.8
SD	3.90	3.87	3.87
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	10	10	10
Week 6			
Ν	60	81	141
Missing	2	6	8
Mean	2.9	3.3	3.1
SD	3.88	3.95	3.92
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	58	79	137
Missing	32	20	52
Mean	-0.1	0.1	0.0
SD	2.39	2.85	2.66
Minimum	-7	-10	-10
Median	0.0	0.0	0.0
Maximum	10	10	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 180 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does the use of fir	ngers to help empty bowel bothe	r you	
Week 24			
Ν	56	80	136
Missing	3	4	7
Mean	2.0	3.3	2.8
SD	3.24	3.83	3.64
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	54	78	132
Missing	36	21	57
Mean	-0.5	0.1	-0.2
SD	2.57	2.87	2.76
Minimum	-10	-10	-10
Median	0.0	0.0	0.0
Maximum	3	8	8
AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 181 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		ominal ssage	Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Does your bowel problem interfere wit	h your abili	ty to work outs	side your	home		
Pre-treatment						
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)
Never	35	(38.9%)	34	(34.3%)	69	(36.5%)
Rarely	13	(14.4%)	14	(14.1%)	27	(14.3%)
Some of the time	17	(18.9%)	25	(25.3%)	42	(22.2%)
Most of the time	2	(2.2%)	4	(4.0%)	6	(3.2%)
Always	4	(4.4%)	3	(3.0%)	7	(3.7%)
Not working for other reasons	18	(20.0%)	19	(19.2%)	37	(19.6%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Never	21	(33.9%)	24	(27.6%)	45	(30.2%)
Rarely	15	(24.2%)	12	(13.8%)	27	(18.1%)
Some of the time	11	(17.7%)	20	(23.0%)	31	(20.8%)
Most of the time	3	(4.8%)	7	(8.0%)	10	(6.7%)
Always	0	(0.0%)	4	(4.6%)	4	(2.7%)
Not working for other reasons	12	(19.4%)	20	(23.0%)	32	(21.5%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Never	27	(45.8%)	18	(21.4%)	45	(31.5%)
Rarely	5	(8.5%)	18	(21.4%)	23	(16.1%)
Some of the time	14	(23.7%)	17	(20.2%)	31	(21.7%)
Most of the time	2	(3.4%)	11	(13.1%)	13	(9.1%)
Always	0	(0.0%)	2	(2.4%)	2	(1.4%)
Not working for other reasons	11	(18.6%)	18	(21.4%)	29	(20.3%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 182 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does your bowel prob you	lem interfering with your al	bility to work outside yo	ur home bother
Pre-treatment			
Ν	81	92	173
Missing	9	7	16
Mean	2.8	3.7	3.3
SD	3.44	3.83	3.68
Minimum	0	0	(
Median	0.0	3.0	2.0
Maximum	10	10	10
Week 6			
Ν	60	79	139
Missing	2	8	10
Mean	2.6	3.7	3.2
SD	3.39	3.74	3.62
Minimum	0	0	(
Median	1.0	3.0	2.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	54	74	128
Missing	36	25	6
Mean	0.1	-0.1	-0.0
SD	3.79	2.77	3.22
Minimum	-8	-7	-8
Median	0.0	0.0	0.0
Maximum	10	10	10

- calculated values

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 183 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal	Standard Care	Total
Variable	Massage	Standard Care	Total
How much does your bowel pro you	blem interfering with your al	oility to work outside yo	ur home bother
Week 24			
Ν	53	79	132
Missing	6	5	11
Mean	2.2	3.9	3.3
SD	3.14	3.59	3.50
Minimum	0	0	0
Median	0.0	3.0	2.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	49	73	122
Missing	41	26	67
Mean	-0.3	0.2	-0.0
SD	3.54	3.19	3.33
Minimum	-9	-10	-10
Median	0.0	0.0	0.0
Maximum	7	9	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 184 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Do you feel your bowel care rou	tine is reliable						
Pre-treatment							
Never	26	(28.9%)	32	(32.3%)	58	(30.7%)	
Rarely	13	(14.4%)	8	(8.1%)	21	(11.1%)	
Some of the time	27	(30.0%)	31	(31.3%)	58	(30.7%)	
Most of the time	20	(22.2%)	24	(24.2%)	44	(23.3%)	
Always	4	(4.4%)	4	(4.0%)	8	(4.2%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Never	11	(17.7%)	19	(21.8%)	30	(20.1%)	
Rarely	9	(14.5%)	24	(27.6%)	33	(22.1%)	
Some of the time	17	(27.4%)	23	(26.4%)	40	(26.8%)	
Most of the time	19	(30.6%)	18	(20.7%)	37	(24.8%)	
Always	6	(9.7%)	3	(3.4%)	9	(6.0%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Never	7	(11.9%)	18	(21.4%)	25	(17.5%)	
Rarely	8	(13.6%)	19	(22.6%)	27	(18.9%)	
Some of the time	22	(37.3%)	28	(33.3%)	50	(35.0%)	
Most of the time	19	(32.2%)	15	(17.9%)	34	(23.8%)	
Always	3	(5.1%)	4	(4.8%)	7	(4.9%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 185 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable	in and the second secon		1000
How much does reliability of yo	ur bowel care routine bother	you	
Pre-treatment			
Ν	89	98	187
Missing	1	1	2
Mean	5.0	5.1	5.0
SD	3.46	3.49	3.47
Minimum	0	0	0
Median	5.0	5.0	5.0
Maximum	10	10	10
Week 6			
Ν	62	86	148
Missing	0	1	1
Mean	4.4	5.7	5.1
SD	3.19	2.96	3.11
Minimum	0	0	0
Median	5.0	6.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	62	86	148
Missing	28	13	41
Mean	-0.8	0.6	0.0
SD	3.39	3.37	3.44
Minimum	-10	-10	-10
Median	0.0	0.0	0.0
Maximum	8	10	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 186 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much does reliability of	your bowel care routine bother	you	
Week 24			
Ν	58	83	141
Missing	1	1	2
Mean	4.3	5.7	5.1
SD	3.11	2.87	3.05
Minimum	0	0	0
Median	4.0	6.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	57	82	139
Missing	33	17	50
Mean	-1.1	0.5	-0.1
SD	3.33	3.48	3.49
Minimum	-10	-9	-10
Median	0.0	0.0	0.0
Maximum	7	9	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 187 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Do you still go out if your bowel	has not opened as	expected					
Pre-treatment							
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)	
Always	29	(32.2%)	24	(24.2%)	53	(28.0%)	
Most of the time	25	(27.8%)	39	(39.4%)	64	(33.9%)	
Some of the time	20	(22.2%)	20	(20.2%)	40	(21.2%)	
Rarely	6	(6.7%)	12	(12.1%)	18	(9.5%)	
Never	9	(10.0%)	4	(4.0%)	13	(6.9%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Always	18	(29.0%)	22	(25.3%)	40	(26.8%)	
Most of the time	17	(27.4%)	33	(37.9%)	50	(33.6%)	
Some of the time	20	(32.3%)	19	(21.8%)	39	(26.2%)	
Rarely	3	(4.8%)	9	(10.3%)	12	(8.1%)	
Never	4	(6.5%)	4	(4.6%)	8	(5.4%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Always	18	(30.5%)	22	(26.2%)	40	(28.0%)	
Most of the time	25	(42.4%)	33	(39.3%)	58	(40.6%)	
Some of the time	11	(18.6%)	19	(22.6%)	30	(21.0%)	
Rarely	2	(3.4%)	9	(10.7%)	11	(7.7%)	
Never	2	(3.4%)	1	(1.2%)	3	(2.1%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered by v	whether you go out if bowel l	has not opened as expec	ted
Pre-treatment			
Ν	89	99	188
Missing	1	0	1
Mean	4.7	5.4	5.1
SD	3.59	3.57	3.59
Minimum	0	0	0
Median	5.0	6.0	5.0
Maximum	10	10	10
Week 6			
Ν	61	86	147
Missing	1	1	2
Mean	4.6	5.3	5.0
SD	3.50	3.09	3.28
Minimum	0	0	0
Median	5.0	6.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	60	86	146
Missing	30	13	43
Mean	-0.0	0.0	-0.0
SD	3.14	3.09	3.10
Minimum	-9	-9	-9
Median	0.0	0.0	0.0
Maximum	9	7	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 189 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable	Massage	Stanuaru Care	Totai
How much are you bothered	by whether you go out if bowel	has not opened as expec	ted
Week 24			
Ν	56	84	140
Missing	3	0	3
Mean	4.0	5.3	4.8
SD	3.05	3.21	3.20
Minimum	0	0	0
Median	4.0	6.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	56	84	140
Missing	34	15	49
Mean	-0.5	-0.1	-0.3
SD	3.19	3.20	3.19
Minimum	-9	-10	-10
Median	0.0	0.0	0.0
Maximum	9	8	9

- calculated values

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Variable		ominal ssage		ndard are	T	otal
	Ν	(%)	N	(%)	N	(%)
Does your bowel problem interf	ere with staying av	vay from home	!			
Pre-treatment						
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)
Never	36	(40.0%)	36	(36.4%)	72	(38.1%)
Rarely	13	(14.4%)	15	(15.2%)	28	(14.8%)
Some of the time	26	(28.9%)	32	(32.3%)	58	(30.7%)
Most of the time	8	(8.9%)	9	(9.1%)	17	(9.0%)
Always	6	(6.7%)	7	(7.1%)	13	(6.9%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	0	(0.0%)	1	(1.1%)	1	(0.7%)
Never	23	(37.1%)	24	(27.6%)	47	(31.5%)
Rarely	11	(17.7%)	19	(21.8%)	30	(20.1%)
Some of the time	17	(27.4%)	30	(34.5%)	47	(31.5%)
Most of the time	6	(9.7%)	7	(8.0%)	13	(8.7%)
Always	5	(8.1%)	6	(6.9%)	11	(7.4%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	0	(0.0%)	1	(1.2%)	1	(0.7%)
Never	24	(40.7%)	29	(34.5%)	53	(37.1%)
Rarely	10	(16.9%)	17	(20.2%)	27	(18.9%)
Some of the time	18	(30.5%)	27	(32.1%)	45	(31.5%)
Most of the time	3	(5.1%)	5	(6.0%)	8	(5.6%)
Always	4	(6.8%)	5	(6.0%)	9	(6.3%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

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	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered by b	oowel problems interfering v	with staying away from	home
Pre-treatment			
Ν	88	97	185
Missing	2	2	4
Mean	3.8	4.1	4.0
SD	3.75	3.63	3.68
Minimum	0	0	0
Median	3.0	4.0	4.0
Maximum	10	10	10
Week 6			
Ν	60	84	144
Missing	2	3	5
Mean	4.0	4.5	4.3
SD	3.69	3.60	3.63
Minimum	0	0	0
Median	3.5	4.5	4.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	59	83	142
Missing	31	16	47
Mean	0.6	0.6	0.6
SD	3.02	3.54	3.32
Minimum	-7	-8	-8
Median	0.0	0.0	0.0
Maximum	10	10	10

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	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered	by bowel problems interfering v	with staying away from	home
Week 24			
Ν	57	81	138
Missing	2	3	5
Mean	3.5	4.7	4.2
SD	3.41	3.50	3.50
Minimum	0	0	0
Median	3.0	5.0	4.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	56	79	135
Missing	34	20	54
Mean	0.0	0.7	0.4
SD	2.85	3.35	3.16
Minimum	-8	-9	-9
Median	0.0	0.0	0.0
Maximum	8	9	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 193 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		ominal ssage		ndard are	T	otal
Variable	Ν	(%)	N	(%)	Ν	(%)
Does your bowel problem interfe	ere with your sexu	al activity				
Pre-treatment						
Missing	2	(2.2%)	0	(0.0%)	2	(1.1%)
Never	32	(35.6%)	32	(32.3%)	64	(33.9%)
Rarely	15	(16.7%)	17	(17.2%)	32	(16.9%)
Some of the time	24	(26.7%)	24	(24.2%)	48	(25.4%)
Most of the time	5	(5.6%)	7	(7.1%)	12	(6.3%)
Always	3	(3.3%)	2	(2.0%)	5	(2.6%)
Not applicable	9	(10.0%)	17	(17.2%)	26	(13.8%
Total	90	(100.0%)	99	(100.0%)	189	(100.0%
Week 6						
Missing	2	(3.2%)	1	(1.1%)	3	(2.0%
Never	17	(27.4%)	19	(21.8%)	36	(24.2%)
Rarely	12	(19.4%)	14	(16.1%)	26	(17.4%
Some of the time	16	(25.8%)	27	(31.0%)	43	(28.9%
Most of the time	4	(6.5%)	7	(8.0%)	11	(7.4%
Always	4	(6.5%)	0	(0.0%)	4	(2.7%
Not applicable	7	(11.3%)	19	(21.8%)	26	(17.4%
Total	62	(100.0%)	87	(100.0%)	149	(100.0%
Week 24						
Missing	1	(1.7%)	1	(1.2%)	2	(1.4%
Never	18	(30.5%)	21	(25.0%)	39	(27.3%
Rarely	10	(16.9%)	12	(14.3%)	22	(15.4%
Some of the time	18	(30.5%)	25	(29.8%)	43	(30.1%
Most of the time	3	(5.1%)	4	(4.8%)	7	(4.9%
Always	2	(3.4%)	3	(3.6%)	5	(3.5%
Not applicable	7	(11.9%)	18	(21.4%)	25	(17.5%
Total	59	(100.0%)	84	(100.0%)	143	(100.0%

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 194 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total				
Variable							
How much are you bothered by the extent bowel problems interfere with your sexual activity							
Pre-treatment							
Ν	86	89	175				
Missing	4	10	14				
Mean	3.3	3.5	3.4				
SD	3.80	3.85	3.81				
Minimum	0	0	0				
Median	2.0	2.0	2.0				
Maximum	10	10	10				
Week 6							
Ν	58	76	134				
Missing	4	11	15				
Mean	3.8	4.2	4.0				
SD	3.83	3.82	3.82				
Minimum	0	0	0				
Median	2.0	3.5	3.0				
Maximum	10	10	10				
Pre-treatment vs. Week 6							
Ν	55	72	127				
Missing	35	27	62				
Mean	0.4	0.8	0.6				
SD	3.48	3.17	3.30				
Minimum	-9	-10	-10				
Median	0.0	0.0	0.0				
Maximum	8	10	10				

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 195 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable	Wiassage	Stanuaru Care	10141
How much are you bothered	by the extent bowel problems in	terfere with your sexua	l activity
Week 24			
Ν	55	75	130
Missing	4	9	13
Mean	3.5	3.9	3.7
SD	3.74	3.77	3.75
Minimum	0	0	0
Median	2.0	4.0	3.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	52	72	124
Missing	38	27	65
Mean	0.2	0.5	0.4
SD	3.68	3.96	3.83
Minimum	-10	-10	-10
Median	0.0	0.0	0.0
Maximum	10	10	10

- calculated values

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Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Does your bowel problem stop y	ou from going out	of your home					
Pre-treatment							
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)	
Never	42	(46.7%)	42	(42.4%)	84	(44.4%)	
Rarely	19	(21.1%)	28	(28.3%)	47	(24.9%)	
Some of the time	21	(23.3%)	26	(26.3%)	47	(24.9%)	
Most of the time	5	(5.6%)	2	(2.0%)	7	(3.7%)	
Always	2	(2.2%)	1	(1.0%)	3	(1.6%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	1	(1.1%)	1	(0.7%)	
Never	24	(38.7%)	31	(35.6%)	55	(36.9%)	
Rarely	15	(24.2%)	24	(27.6%)	39	(26.2%)	
Some of the time	20	(32.3%)	29	(33.3%)	49	(32.9%)	
Most of the time	1	(1.6%)	2	(2.3%)	3	(2.0%)	
Always	2	(3.2%)	0	(0.0%)	2	(1.3%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Never	23	(39.0%)	26	(31.0%)	49	(34.3%)	
Rarely	18	(30.5%)	33	(39.3%)	51	(35.7%)	
Some of the time	16	(27.1%)	24	(28.6%)	40	(28.0%)	
Most of the time	2	(3.4%)	0	(0.0%)	2	(1.4%)	
Always	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered by b	owel problems stopping you	ı from going out of your	home
Pre-treatment			
Ν	89	96	185
Missing	1	3	4
Mean	3.5	3.6	3.6
SD	3.96	3.66	3.79
Minimum	0	0	0
Median	2.0	2.0	2.0
Maximum	10	10	10
Week 6			
Ν	61	84	145
Missing	1	3	4
Mean	3.5	4.0	3.8
SD	3.55	3.47	3.50
Minimum	0	0	0
Median	2.0	4.0	3.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	60	82	142
Missing	30	17	47
Mean	0.1	0.8	0.5
SD	2.92	2.75	2.84
Minimum	-10	-5	-10
Median	0.0	0.0	0.0
Maximum	8	9	9

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	Abdominal Massage	Standard Care	Total
Variable	Wiassage	Stanuaru Care	Total
How much are you bothered	by bowel problems stopping you	ı from going out of you	home
Week 24			
Ν	57	83	140
Missing	2	1	3
Mean	3.2	3.8	3.5
SD	3.40	3.28	3.33
Minimum	0	0	0
Median	2.0	4.0	3.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	56	80	136
Missing	34	19	53
Mean	-0.1	0.5	0.2
SD	3.51	2.84	3.13
Minimum	-10	-9	-10
Median	0.0	0.0	0.0
Maximum	8	8	8

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 199 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

Variable		ominal ssage		ndard are	T	otal
	Ν	(%)	N	(%)	N	(%)
Does your bowel problem interf	ere with your pers	onal relationsh	ips			
Pre-treatment						
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)
Never	51	(56.7%)	49	(49.5%)	100	(52.9%)
Rarely	12	(13.3%)	22	(22.2%)	34	(18.0%)
Some of the time	23	(25.6%)	23	(23.2%)	46	(24.3%)
Most of the time	1	(1.1%)	4	(4.0%)	5	(2.6%)
Always	2	(2.2%)	1	(1.0%)	3	(1.6%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	1	(1.6%)	1	(1.1%)	2	(1.3%)
Never	27	(43.5%)	33	(37.9%)	60	(40.3%)
Rarely	13	(21.0%)	17	(19.5%)	30	(20.1%)
Some of the time	15	(24.2%)	29	(33.3%)	44	(29.5%)
Most of the time	1	(1.6%)	7	(8.0%)	8	(5.4%)
Always	5	(8.1%)	0	(0.0%)	5	(3.4%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	0	(0.0%)	2	(2.4%)	2	(1.4%)
Never	31	(52.5%)	33	(39.3%)	64	(44.8%)
Rarely	13	(22.0%)	13	(15.5%)	26	(18.2%)
Some of the time	12	(20.3%)	30	(35.7%)	42	(29.4%)
Most of the time	2	(3.4%)	4	(4.8%)	6	(4.2%)
Always	1	(1.7%)	2	(2.4%)	3	(2.1%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 200 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered by l	oowel problems interfering v	with your personal relat	ionships
Pre-treatment			
Ν	89	97	186
Missing	1	2	3
Mean	2.8	3.2	3.0
SD	3.71	3.81	3.76
Minimum	0	0	0
Median	0.0	1.0	0.0
Maximum	10	10	10
Week 6			
Ν	59	83	142
Missing	3	4	7
Mean	3.3	4.0	3.7
SD	3.83	3.87	3.86
Minimum	0	0	0
Median	2.0	3.0	2.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	58	82	140
Missing	32	17	49
Mean	0.6	0.9	0.8
SD	3.83	3.81	3.80
Minimum	-10	-9	-10
Median	0.0	0.0	0.0
Maximum	10	10	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 201 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable	Wiassage	Stanuaru Care	10141
How much are you bothered	by bowel problems interfering v	vith your personal relat	ionships
Week 24			
Ν	56	79	135
Missing	3	5	8
Mean	2.3	3.9	3.3
SD	3.11	3.59	3.48
Minimum	0	0	0
Median	0.0	4.0	2.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	55	78	133
Missing	35	21	56
Mean	-0.5	0.7	0.2
SD	3.07	3.44	3.33
Minimum	-10	-9	-10
Median	0.0	0.0	0.0
Maximum	6	10	10

- calculated values

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 202 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		ominal ssage	Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Does your bowel problem stop you exerc	cising					
Pre-treatment						
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)
Never	35	(38.9%)	39	(39.4%)	74	(39.2%)
Rarely	22	(24.4%)	21	(21.2%)	43	(22.8%)
Some of the time	20	(22.2%)	17	(17.2%)	37	(19.6%)
Most of the time	2	(2.2%)	3	(3.0%)	5	(2.6%)
Always	1	(1.1%)	0	(0.0%)	1	(0.5%)
Do not exercise for other reasons	9	(10.0%)	19	(19.2%)	28	(14.8%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	1	(1.6%)	1	(1.1%)	2	(1.3%)
Never	27	(43.5%)	22	(25.3%)	49	(32.9%)
Rarely	13	(21.0%)	22	(25.3%)	35	(23.5%)
Some of the time	12	(19.4%)	23	(26.4%)	35	(23.5%)
Most of the time	3	(4.8%)	3	(3.4%)	6	(4.0%)
Always	0	(0.0%)	2	(2.3%)	2	(1.3%)
Do not exercise for other reasons	6	(9.7%)	14	(16.1%)	20	(13.4%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	0	(0.0%)	2	(2.4%)	2	(1.4%)
Never	25	(42.4%)	25	(29.8%)	50	(35.0%)
Rarely	15	(25.4%)	21	(25.0%)	36	(25.2%)
Some of the time	11	(18.6%)	17	(20.2%)	28	(19.6%)
Most of the time	0	(0.0%)	3	(3.6%)	3	(2.1%)
Always	1	(1.7%)	2	(2.4%)	3	(2.1%)
Do not exercise for other reasons	7	(11.9%)	14	(16.7%)	21	(14.7%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 203 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable	- -		
How much are you bothered by b	eing prevented from exercis	sing by bowel problems	
Pre-treatment			
Ν	86	93	179
Missing	4	6	10
Mean	3.0	2.6	2.8
SD	3.35	3.38	3.36
Minimum	0	0	0
Median	2.0	0.0	1.0
Maximum	10	10	10
Week 6			
Ν	60	83	143
Missing	2	4	6
Mean	2.3	3.2	2.8
SD	3.04	3.19	3.15
Minimum	0	0	0
Median	0.5	2.0	2.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	58	79	137
Missing	32	20	52
Mean	-0.5	0.7	0.2
SD	3.51	3.38	3.47
Minimum	-10	-10	-10
Median	0.0	0.0	0.0
Maximum	9	9	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 204 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered	by being prevented from exerci	sing by bowel problem	IS
Week 24			
Ν	55	77	132
Missing	4	7	11
Mean	2.1	2.8	2.5
SD	2.89	3.20	3.08
Minimum	0	0	0
Median	1.0	2.0	1.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	52	74	126
Missing	38	25	63
Mean	-0.9	0.3	-0.2
SD	3.46	3.41	3.47
Minimum	-10	-10	-10
Median	0.0	0.0	0.0
Maximum	8	10	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 205 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Is the possibility of bowel accide	nt on your mind						
Pre-treatment							
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)	
Never	33	(36.7%)	18	(18.2%)	51	(27.0%)	
Rarely	14	(15.6%)	18	(18.2%)	32	(16.9%)	
Some of the time	23	(25.6%)	40	(40.4%)	63	(33.3%)	
Most of the time	9	(10.0%)	14	(14.1%)	23	(12.2%)	
Always	10	(11.1%)	9	(9.1%)	19	(10.1%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	1	(1.1%)	1	(0.7%)	
Never	20	(32.3%)	12	(13.8%)	32	(21.5%)	
Rarely	20	(32.3%)	20	(23.0%)	40	(26.8%)	
Some of the time	13	(21.0%)	35	(40.2%)	48	(32.2%)	
Most of the time	4	(6.5%)	14	(16.1%)	18	(12.1%)	
Always	5	(8.1%)	5	(5.7%)	10	(6.7%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Never	18	(30.5%)	12	(14.3%)	30	(21.0%)	
Rarely	15	(25.4%)	20	(23.8%)	35	(24.5%)	
Some of the time	18	(30.5%)	39	(46.4%)	57	(39.9%)	
Most of the time	4	(6.8%)	8	(9.5%)	12	(8.4%)	
Always	4	(6.8%)	4	(4.8%)	8	(5.6%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered by t	he possibility of a bowel acc	ident being on your min	d
Pre-treatment			
Ν	89	99	188
Missing	1	0	1
Mean	4.4	5.6	5.0
SD	4.13	3.63	3.91
Minimum	0	0	0
Median	5.0	6.0	5.0
Maximum	10	10	10
Week 6			
Ν	61	86	147
Missing	1	1	2
Mean	3.7	5.3	4.6
SD	3.69	3.32	3.56
Minimum	0	0	0
Median	2.0	6.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	60	86	146
Missing	30	13	43
Mean	-0.6	-0.3	-0.4
SD	3.38	2.74	3.01
Minimum	-10	-7	-10
Median	0.0	0.0	0.0
Maximum	10	8	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 207 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal	Standard Care	Total
Variable	Massage	Stanuaru Care	Total
How much are you bothered	by the possibility of a bowel acc	ident being on your mir	nd
Week 24			
Ν	57	83	140
Missing	2	1	3
Mean	4.0	5.3	4.7
SD	3.54	3.32	3.46
Minimum	0	0	0
Median	3.0	5.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	56	83	139
Missing	34	16	50
Mean	-0.8	-0.2	-0.4
SD	3.50	3.04	3.23
Minimum	-10	-9	-10
Median	0.0	0.0	0.0
Maximum	7	8	8

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 208 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Do you feel you fit your life arou	nd your bowel pro	oblem					
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	26	(28.9%)	24	(24.2%)	50	(26.5%)	
Rarely	15	(16.7%)	20	(20.2%)	35	(18.5%)	
Some of the time	33	(36.7%)	31	(31.3%)	64	(33.9%)	
Most of the time	11	(12.2%)	9	(9.1%)	20	(10.6%)	
Always	5	(5.6%)	15	(15.2%)	20	(10.6%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	1	(1.1%)	1	(0.7%)	
Never	18	(29.0%)	18	(20.7%)	36	(24.2%)	
Rarely	8	(12.9%)	18	(20.7%)	26	(17.4%)	
Some of the time	19	(30.6%)	32	(36.8%)	51	(34.2%)	
Most of the time	11	(17.7%)	11	(12.6%)	22	(14.8%)	
Always	6	(9.7%)	7	(8.0%)	13	(8.7%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Never	14	(23.7%)	17	(20.2%)	31	(21.7%)	
Rarely	12	(20.3%)	15	(17.9%)	27	(18.9%)	
Some of the time	21	(35.6%)	32	(38.1%)	53	(37.1%)	
Most of the time	10	(16.9%)	13	(15.5%)	23	(16.1%)	
Always	2	(3.4%)	6	(7.1%)	8	(5.6%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal		
Variable	Massage	Standard Care	Total
How much are you bothered by a	feeling you fit your life arou	nd your bowel problem	
Pre-treatment			
Ν	90	98	188
Missing	0	1	1
Mean	4.3	4.6	4.5
SD	3.70	3.80	3.75
Minimum	0	0	0
Median	4.0	5.0	5.0
Maximum	10	10	10
Week 6			
Ν	61	86	147
Missing	1	1	2
Mean	4.0	4.8	4.5
SD	3.76	3.44	3.58
Minimum	0	0	0
Median	3.0	5.0	4.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	61	85	146
Missing	29	14	43
Mean	-0.1	0.4	0.2
SD	2.49	3.26	2.97
Minimum	-7	-7	-7
Median	0.0	0.0	0.0
Maximum	9	9	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 210 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered	by feeling you fit your life arou	nd your bowel problem	
Week 24			
Ν	57	83	140
Missing	2	1	3
Mean	3.7	4.6	4.3
SD	3.17	3.40	3.32
Minimum	0	0	0
Median	3.0	5.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	57	82	139
Missing	33	17	50
Mean	-0.5	0.2	-0.1
SD	3.01	3.31	3.20
Minimum	-8	-6	-8
Median	0.0	0.0	0.0
Maximum	6	10	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 211 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	Ν	(%)	N	(%)	
Are you satisfied with how you r	nanage your bowe	l problem?					
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Always	5	(5.6%)	8	(8.1%)	13	(6.9%)	
Most of the time	25	(27.8%)	30	(30.3%)	55	(29.1%)	
Some of the time	32	(35.6%)	25	(25.3%)	57	(30.2%)	
Rarely	16	(17.8%)	19	(19.2%)	35	(18.5%)	
Never	12	(13.3%)	17	(17.2%)	29	(15.3%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	1	(1.1%)	1	(0.7%)	
Always	7	(11.3%)	2	(2.3%)	9	(6.0%)	
Most of the time	25	(40.3%)	26	(29.9%)	51	(34.2%)	
Some of the time	23	(37.1%)	36	(41.4%)	59	(39.6%)	
Rarely	4	(6.5%)	18	(20.7%)	22	(14.8%)	
Never	3	(4.8%)	4	(4.6%)	7	(4.7%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	1	(1.7%)	1	(1.2%)	2	(1.4%)	
Always	5	(8.5%)	5	(6.0%)	10	(7.0%)	
Most of the time	29	(49.2%)	25	(29.8%)	54	(37.8%)	
Some of the time	19	(32.2%)	37	(44.0%)	56	(39.2%)	
Rarely	4	(6.8%)	10	(11.9%)	14	(9.8%)	
Never	1	(1.7%)	6	(7.1%)	7	(4.9%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal		
Variable	Massage	Standard Care	Total
How much are you bothered by h	ow satisfied you feel with h	ow you manage your bo	wel problem
Pre-treatment			
Ν	89	99	188
Missing	1	0	1
Mean	5.5	5.8	5.7
SD	3.38	3.26	3.31
Minimum	0	0	0
Median	5.0	7.0	6.0
Maximum	10	10	10
Week 6			
Ν	61	84	145
Missing	1	3	4
Mean	4.5	5.5	5.1
SD	3.23	2.86	3.06
Minimum	0	0	0
Median	4.0	6.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	61	84	145
Missing	29	15	44
Mean	-1.5	-0.1	-0.7
SD	2.94	3.14	3.12
Minimum	-10	-7	-10
Median	-1.0	0.0	0.0
Maximum	3	9	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 213 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal	Standard Care	Total
Variable	Massage	Stanuaru Care	Totai
How much are you bothered l	oy how satisfied you feel with h	ow you manage your b	owel problem
Week 24			
Ν	57	83	140
Missing	2	1	3
Mean	3.8	5.4	4.7
SD	2.88	2.99	3.03
Minimum	0	0	0
Median	4.0	5.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	57	83	140
Missing	33	16	49
Mean	-2.0	-0.4	-1.1
SD	3.28	3.30	3.38
Minimum	-10	-8	-10
Median	-2.0	0.0	0.0
Maximum	4	9	9

- calculated values

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 214 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Does managing your bowel prob	lem interfere with	your life					
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	16	(17.8%)	19	(19.2%)	35	(18.5%)	
Rarely	22	(24.4%)	18	(18.2%)	40	(21.2%)	
Some of the time	36	(40.0%)	40	(40.4%)	76	(40.2%)	
Most of the time	10	(11.1%)	15	(15.2%)	25	(13.2%)	
Always	6	(6.7%)	7	(7.1%)	13	(6.9%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	0	(0.0%)	1	(1.1%)	1	(0.7%)	
Never	13	(21.0%)	5	(5.7%)	18	(12.1%)	
Rarely	15	(24.2%)	22	(25.3%)	37	(24.8%)	
Some of the time	26	(41.9%)	47	(54.0%)	73	(49.0%)	
Most of the time	5	(8.1%)	6	(6.9%)	11	(7.4%)	
Always	3	(4.8%)	6	(6.9%)	9	(6.0%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Never	14	(23.7%)	7	(8.3%)	21	(14.7%)	
Rarely	18	(30.5%)	26	(31.0%)	44	(30.8%)	
Some of the time	23	(39.0%)	36	(42.9%)	59	(41.3%)	
Most of the time	2	(3.4%)	9	(10.7%)	11	(7.7%)	
Always	2	(3.4%)	5	(6.0%)	7	(4.9%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal Massage	Standard Care	Total
Variable	- -		
How much are you bothered by t	he extent managing bowel p	roblem interferes with y	your life
Pre-treatment			
Ν	90	98	188
Missing	0	1	1
Mean	4.6	5.2	4.9
SD	3.59	3.74	3.67
Minimum	0	0	0
Median	4.5	5.0	5.0
Maximum	10	10	10
Week 6			
Ν	61	86	147
Missing	1	1	2
Mean	4.3	5.4	4.9
SD	3.45	3.18	3.33
Minimum	0	0	0
Median	4.0	6.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	61	85	146
Missing	29	14	43
Mean	-0.3	0.4	0.1
SD	2.75	2.73	2.75
Minimum	-7	-6	-7
Median	0.0	0.0	0.0
Maximum	7	9	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 216 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable	Wiassage	Stanuaru Care	Totai
How much are you bothered	by the extent managing bowel p	roblem interferes with y	our life
Week 24			
Ν	57	83	140
Missing	2	1	3
Mean	3.8	5.2	4.6
SD	3.35	3.17	3.30
Minimum	0	0	0
Median	3.0	5.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	57	82	139
Missing	33	17	50
Mean	-0.6	0.2	-0.1
SD	2.84	3.13	3.03
Minimum	-9	-8	-9
Median	0.0	0.0	0.0
Maximum	5	8	8
AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 217 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Does worrying about bowel prol	olems affect your a	bility to work					
Pre-treatment							
Missing	9	(10.0%)	8	(8.1%)	17	(9.0%)	
Never	45	(50.0%)	53	(53.5%)	98	(51.9%)	
Rarely	14	(15.6%)	11	(11.1%)	25	(13.2%)	
Some of the time	13	(14.4%)	15	(15.2%)	28	(14.8%)	
Most of the time	3	(3.3%)	6	(6.1%)	9	(4.8%)	
Always	6	(6.7%)	6	(6.1%)	12	(6.3%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	6	(9.7%)	7	(8.0%)	13	(8.7%)	
Never	30	(48.4%)	38	(43.7%)	68	(45.6%)	
Rarely	11	(17.7%)	15	(17.2%)	26	(17.4%)	
Some of the time	8	(12.9%)	19	(21.8%)	27	(18.1%)	
Most of the time	2	(3.2%)	2	(2.3%)	4	(2.7%)	
Always	5	(8.1%)	6	(6.9%)	11	(7.4%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	2	(3.4%)	5	(6.0%)	7	(4.9%)	
Never	36	(61.0%)	33	(39.3%)	69	(48.3%)	
Rarely	8	(13.6%)	16	(19.0%)	24	(16.8%)	
Some of the time	9	(15.3%)	19	(22.6%)	28	(19.6%)	
Most of the time	1	(1.7%)	8	(9.5%)	9	(6.3%)	
Always	3	(5.1%)	3	(3.6%)	6	(4.2%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered by ability to work	the extent worrying about bo	owel problem interferes	with your
Pre-treatment			
Ν	79	90	169
Missing	11	9	20
Mean	2.3	2.8	2.6
SD	3.41	3.71	3.57
Minimum	0	0	C
Median	0.0	0.0	0.0
Maximum	10	10	10
Week 6			
Ν	55	79	134
Missing	7	8	15
Mean	2.5	3.5	3.1
SD	3.59	3.60	3.62
Minimum	0	0	(
Median	0.0	3.0	1.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	49	71	120
Missing	41	28	69
Mean	-0.1	0.9	0.5
SD	3.24	3.55	3.45
Minimum	-8	-9	-9
Median	0.0	0.0	0.0
Maximum	10	10	10

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	Abdominal Massage	Standard Care	Total
Variable	massage	Stanuaru Care	Total
How much are you bothered bability to work	by the extent worrying about bo	wel problem interferes	with your
Week 24			
Ν	52	78	130
Missing	7	6	13
Mean	1.7	3.7	2.9
SD	2.63	3.57	3.36
Minimum	0	0	0
Median	0.0	3.0	1.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	46	72	118
Missing	44	27	71
Mean	-0.6	0.9	0.3
SD	3.17	3.38	3.37
Minimum	-10	-8	-1(
Median	0.0	0.0	0.0
Maximum	8	9	Ç

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 220 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Does worrying about bowel prol	olems stops you go	ing out					
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	37	(41.1%)	36	(36.4%)	73	(38.6%)	
Rarely	20	(22.2%)	27	(27.3%)	47	(24.9%)	
Some of the time	28	(31.1%)	32	(32.3%)	60	(31.7%)	
Most of the time	2	(2.2%)	4	(4.0%)	6	(3.2%)	
Always	3	(3.3%)	0	(0.0%)	3	(1.6%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	1	(1.6%)	2	(2.3%)	3	(2.0%)	
Never	25	(40.3%)	21	(24.1%)	46	(30.9%)	
Rarely	16	(25.8%)	26	(29.9%)	42	(28.2%)	
Some of the time	15	(24.2%)	35	(40.2%)	50	(33.6%)	
Most of the time	3	(4.8%)	3	(3.4%)	6	(4.0%)	
Always	2	(3.2%)	0	(0.0%)	2	(1.3%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	24	(40.7%)	24	(28.6%)	48	(33.6%)	
Rarely	18	(30.5%)	28	(33.3%)	46	(32.2%)	
Some of the time	16	(27.1%)	26	(31.0%)	42	(29.4%)	
Most of the time	0	(0.0%)	5	(6.0%)	5	(3.5%)	
Always	1	(1.7%)	1	(1.2%)	2	(1.4%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 221 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered by t	he extent worrying about bo	owel problems stops you	going out
Pre-treatment			
Ν	90	97	187
Missing	0	2	2
Mean	3.6	3.9	3.8
SD	3.89	3.65	3.76
Minimum	0	0	0
Median	2.0	4.0	3.0
Maximum	10	10	10
Week 6			
Ν	60	85	145
Missing	2	2	4
Mean	3.6	4.4	4.1
SD	3.91	3.31	3.58
Minimum	0	0	0
Median	2.0	4.0	3.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	60	83	143
Missing	30	16	46
Mean	0.2	0.7	0.5
SD	3.03	3.10	3.07
Minimum	-7	-5	-7
Median	0.0	0.0	0.0
Maximum	10	8	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 222 of 464Table 7: Neurogenic Bowel Dysfuntion Questionnaire (PROM)

	Abdominal	Standard Care	Total
Variable	Massage	Standard Care	Total
How much are you bothered	by the extent worrying about bo	owel problems stops you	going out
Week 24			
Ν	56	83	139
Missing	3	1	4
Mean	3.3	4.3	3.9
SD	3.42	3.31	3.38
Minimum	0	0	0
Median	2.0	4.0	3.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	56	81	137
Missing	34	18	52
Mean	-0.1	0.7	0.4
SD	2.97	2.89	2.94
Minimum	-10	-6	-10
Median	0.0	0.0	0.0
Maximum	7	7	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 223 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	Ν	(%)
Do you check where the toilet is	when you go some	where new				
Pre-treatment						
Missing	0	(0.0%)	1	(1.0%)	1	(0.5%)
Never	11	(12.2%)	4	(4.0%)	15	(7.9%)
Rarely	4	(4.4%)	4	(4.0%)	8	(4.2%)
Some of the time	3	(3.3%)	9	(9.1%)	12	(6.3%)
Most of the time	21	(23.3%)	22	(22.2%)	43	(22.8%)
Always	51	(56.7%)	59	(59.6%)	110	(58.2%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	1	(1.6%)	2	(2.3%)	3	(2.0%)
Never	7	(11.3%)	2	(2.3%)	9	(6.0%)
Rarely	5	(8.1%)	3	(3.4%)	8	(5.4%)
Some of the time	10	(16.1%)	9	(10.3%)	19	(12.8%)
Most of the time	9	(14.5%)	29	(33.3%)	38	(25.5%)
Always	30	(48.4%)	42	(48.3%)	72	(48.3%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Never	4	(6.8%)	2	(2.4%)	6	(4.2%)
Rarely	5	(8.5%)	5	(6.0%)	10	(7.0%)
Some of the time	11	(18.6%)	9	(10.7%)	20	(14.0%)
Most of the time	10	(16.9%)	28	(33.3%)	38	(26.6%)
Always	29	(49.2%)	40	(47.6%)	69	(48.3%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

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	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered by c	hecking where the toilet is v	vhen you go somewhere	new
Pre-treatment			
Ν	90	98	188
Missing	0	1	1
Mean	5.3	5.7	5.5
SD	3.72	3.63	3.67
Minimum	0	0	0
Median	5.5	6.0	6.0
Maximum	10	10	10
Week 6			
Ν	60	85	145
Missing	2	2	4
Mean	5.0	5.9	5.5
SD	3.66	3.04	3.33
Minimum	0	0	0
Median	5.0	6.0	6.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	60	84	144
Missing	30	15	45
Mean	-0.4	0.3	-0.0
SD	3.43	2.79	3.08
Minimum	-9	-6	-9
Median	0.0	0.0	0.0
Maximum	10	9	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 225 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal	Standard Care	Total
Variable	Massage	Stanuaru Care	10181
How much are you bothered	by checking where the toilet is v	vhen you go somewhere	e new
Week 24			
Ν	57	84	141
Missing	2	0	2
Mean	4.8	6.0	5.5
SD	3.20	3.31	3.32
Minimum	0	0	0
Median	4.0	7.0	6.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	57	83	140
Missing	33	16	49
Mean	-0.7	0.5	0.0
SD	2.73	3.29	3.12
Minimum	-8	-10	-10
Median	0.0	0.0	0.0
Maximum	5	9	9

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		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	Ν	(%)	Ν	(%)	
Do you feel embarrassed about y	our bowels						
Pre-treatment							
Missing	0	(0.0%)	1	(1.0%)	1	(0.5%)	
Never	17	(18.9%)	14	(14.1%)	31	(16.4%)	
Rarely	12	(13.3%)	14	(14.1%)	26	(13.8%)	
Some of the time	37	(41.1%)	38	(38.4%)	75	(39.7%)	
Most of the time	9	(10.0%)	19	(19.2%)	28	(14.8%)	
Always	15	(16.7%)	13	(13.1%)	28	(14.8%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	2	(3.2%)	0	(0.0%)	2	(1.3%)	
Never	5	(8.1%)	12	(13.8%)	17	(11.4%)	
Rarely	16	(25.8%)	14	(16.1%)	30	(20.1%)	
Some of the time	22	(35.5%)	31	(35.6%)	53	(35.6%)	
Most of the time	9	(14.5%)	15	(17.2%)	24	(16.1%)	
Always	8	(12.9%)	15	(17.2%)	23	(15.4%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	9	(15.3%)	13	(15.5%)	22	(15.4%)	
Rarely	15	(25.4%)	10	(11.9%)	25	(17.5%)	
Some of the time	25	(42.4%)	33	(39.3%)	58	(40.6%)	
Most of the time	7	(11.9%)	19	(22.6%)	26	(18.2%)	
Always	3	(5.1%)	9	(10.7%)	12	(8.4%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

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	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered by t	he extent to which you feel e	embarrassed by your bo	wels
Pre-treatment			
Ν	90	97	187
Missing	0	2	2
Mean	5.2	6.0	5.6
SD	3.79	3.46	3.64
Minimum	0	0	0
Median	5.0	7.0	6.0
Maximum	10	10	10
Week 6			
Ν	59	86	145
Missing	3	1	4
Mean	5.2	6.1	5.7
SD	3.43	3.53	3.50
Minimum	0	0	0
Median	5.0	7.0	6.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	59	84	143
Missing	31	15	46
Mean	-0.1	0.1	-0.0
SD	3.46	2.93	3.15
Minimum	-10	-7	-10
Median	0.0	0.0	0.0
Maximum	10	9	10

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	Abdominal	Standard Care	Tatal
Variable	Massage	Standard Care	Total
How much are you bothered	by the extent to which you feel e	embarrassed by your bo	wels
Week 24			
Ν	57	84	141
Missing	2	0	2
Mean	4.6	5.7	5.3
SD	3.35	3.28	3.34
Minimum	0	0	0
Median	4.0	6.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	57	82	139
Missing	33	17	50
Mean	-0.7	-0.1	-0.4
SD	3.00	2.66	2.81
Minimum	-10	-8	-10
Median	0.0	0.0	0.0
Maximum	5	7	7

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Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Do you feel embarrassed about a	accidental passage	of wind from y	our bow	vel			
Pre-treatment							
Missing	0	(0.0%)	1	(1.0%)	1	(0.5%)	
Never	16	(17.8%)	16	(16.2%)	32	(16.9%)	
Rarely	19	(21.1%)	15	(15.2%)	34	(18.0%)	
Some of the time	21	(23.3%)	28	(28.3%)	49	(25.9%)	
Most of the time	17	(18.9%)	16	(16.2%)	33	(17.5%)	
Always	17	(18.9%)	23	(23.2%)	40	(21.2%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	2	(3.2%)	0	(0.0%)	2	(1.3%)	
Never	11	(17.7%)	3	(3.4%)	14	(9.4%)	
Rarely	10	(16.1%)	19	(21.8%)	29	(19.5%)	
Some of the time	19	(30.6%)	32	(36.8%)	51	(34.2%)	
Most of the time	7	(11.3%)	13	(14.9%)	20	(13.4%)	
Always	13	(21.0%)	20	(23.0%)	33	(22.1%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	8	(13.6%)	8	(9.5%)	16	(11.2%)	
Rarely	14	(23.7%)	10	(11.9%)	24	(16.8%)	
Some of the time	19	(32.2%)	35	(41.7%)	54	(37.8%)	
Most of the time	8	(13.6%)	19	(22.6%)	27	(18.9%)	
Always	10	(16.9%)	12	(14.3%)	22	(15.4%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 230 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable	- -		
How much are yout bothered by wind from your bowel	the extent to which you feel	embarrassed by accider	ntal passage of
Pre-treatment			
Ν	89	95	184
Missing	1	4	5
Mean	5.5	5.6	5.5
SD	3.78	3.70	3.73
Minimum	0	0	0
Median	6.0	6.0	6.0
Maximum	10	10	10
Week 6			
Ν	59	87	146
Missing	3	0	3
Mean	5.1	6.4	5.9
SD	3.78	3.13	3.46
Minimum	0	0	0
Median	5.0	8.0	7.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	59	83	142
Missing	31	16	47
Mean	-1.1	0.8	-0.0
SD	3.47	2.98	3.32
Minimum	-10	-7	-10
Median	0.0	1.0	0.0
Maximum	10	9	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 231 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal	Standard Care	Total
Variable	Massage	Stanuaru Care	Total
How much are yout bothered by t wind from your bowel	he extent to which you feel	embarrassed by accider	ntal passage of
Week 24			
Ν	56	83	139
Missing	3	1	4
Mean	5.4	6.3	6.0
SD	3.44	3.13	3.28
Minimum	0	0	0
Median	5.0	7.0	6.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	56	79	135
Missing	34	20	54
Mean	-0.9	1.0	0.2
SD	2.87	3.43	3.33
Minimum	-7	-9	-9
Median	-1.0	1.0	0.0
Maximum	10	9	10

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Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Do you feel low or depressed by	your bowel proble	em					
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	26	(28.9%)	23	(23.2%)	49	(25.9%)	
Rarely	16	(17.8%)	24	(24.2%)	40	(21.2%)	
Some of the time	36	(40.0%)	42	(42.4%)	78	(41.3%)	
Most of the time	9	(10.0%)	7	(7.1%)	16	(8.5%)	
Always	3	(3.3%)	3	(3.0%)	6	(3.2%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	2	(3.2%)	0	(0.0%)	2	(1.3%)	
Never	9	(14.5%)	13	(14.9%)	22	(14.8%)	
Rarely	16	(25.8%)	18	(20.7%)	34	(22.8%)	
Some of the time	30	(48.4%)	41	(47.1%)	71	(47.7%)	
Most of the time	3	(4.8%)	7	(8.0%)	10	(6.7%)	
Always	2	(3.2%)	8	(9.2%)	10	(6.7%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	15	(25.4%)	11	(13.1%)	26	(18.2%)	
Rarely	17	(28.8%)	21	(25.0%)	38	(26.6%)	
Some of the time	22	(37.3%)	43	(51.2%)	65	(45.5%)	
Most of the time	4	(6.8%)	3	(3.6%)	7	(4.9%)	
Always	1	(1.7%)	6	(7.1%)	7	(4.9%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 233 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered by t	he extent to which you feel l	ow or depressed by you	r bowel problem
Pre-treatment			
Ν	90	97	187
Missing	0	2	2
Mean	4.2	4.5	4.4
SD	3.51	3.48	3.49
Minimum	0	0	0
Median	4.0	5.0	5.0
Maximum	10	10	10
Week 6			
Ν	60	87	147
Missing	2	0	2
Mean	4.2	5.2	4.8
SD	3.24	3.27	3.28
Minimum	0	0	0
Median	3.5	5.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	60	85	145
Missing	30	14	44
Mean	0.2	0.7	0.5
SD	2.57	2.89	2.77
Minimum	-8	-6	-8
Median	0.0	0.0	0.0
Maximum	6	9	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 234 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal	Standard Care	Total
Variable	Massage	Stanuaru Care	Total
How much are you bothered b	oy the extent to which you feel l	ow or depressed by you	ır bowel problem
Week 24			
Ν	57	84	141
Missing	2	0	2
Mean	3.8	5.2	4.6
SD	3.28	3.29	3.35
Minimum	0	0	0
Median	3.0	5.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	57	82	139
Missing	33	17	50
Mean	-0.4	0.7	0.3
SD	3.10	2.81	2.98
Minimum	-10	-4	-10
Median	0.0	0.0	0.0
Maximum	8	8	8

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 235 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Do you avoid eating out because	of your bowel pro	blem					
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	53	(58.9%)	56	(56.6%)	109	(57.7%)	
Rarely	16	(17.8%)	25	(25.3%)	41	(21.7%)	
Some of the time	18	(20.0%)	17	(17.2%)	35	(18.5%)	
Most of the time	0	(0.0%)	1	(1.0%)	1	(0.5%)	
Always	3	(3.3%)	0	(0.0%)	3	(1.6%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	1	(1.6%)	0	(0.0%)	1	(0.7%)	
Never	33	(53.2%)	34	(39.1%)	67	(45.0%)	
Rarely	13	(21.0%)	30	(34.5%)	43	(28.9%)	
Some of the time	10	(16.1%)	19	(21.8%)	29	(19.5%)	
Most of the time	5	(8.1%)	4	(4.6%)	9	(6.0%)	
Always	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	31	(52.5%)	36	(42.9%)	67	(46.9%)	
Rarely	19	(32.2%)	27	(32.1%)	46	(32.2%)	
Some of the time	7	(11.9%)	18	(21.4%)	25	(17.5%)	
Most of the time	2	(3.4%)	3	(3.6%)	5	(3.5%)	
Always	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 236 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total			
Variable						
How much are you bothered by the extent to which you avoid eating out because of your bowel problem						
Pre-treatment						
Ν	89	97	186			
Missing	1	2	3			
Mean	2.5	2.3	2.4			
SD	3.52	3.16	3.33			
Minimum	0	0	C			
Median	0.0	0.0	0.0			
Maximum	10	10	10			
Week 6						
Ν	60	85	145			
Missing	2	2	4			
Mean	2.5	3.3	3.0			
SD	3.58	3.20	3.37			
Minimum	0	0	0			
Median	0.0	3.0	2.0			
Maximum	10	10	10			
Pre-treatment vs. Week 6						
Ν	60	83	143			
Missing	30	16	46			
Mean	0.3	1.1	0.8			
SD	2.77	2.79	2.80			
Minimum	-10	-6	-10			
Median	0.0	0.0	0.0			
Maximum	9	8	ç			

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 237 of 464Table 7: Neurogenic Bowel Dysfuntion Questionnaire (PROM)

	Abdominal		T - 4 - 1
Variable	Massage	Standard Care	Total
How much are you bothered b problem	by the extent to which you avoid	l eating out because of y	our bowel
Week 24			
Ν	55	83	138
Missing	4	1	5
Mean	2.3	3.0	2.7
SD	3.01	3.13	3.09
Minimum	0	0	0
Median	1.0	2.0	2.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	54	81	135
Missing	36	18	54
Mean	0.2	0.9	0.6
SD	3.04	2.74	2.87
Minimum	-7	-6	-7
Median	0.0	0.0	0.0
Maximum	9	10	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 238 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Do your spend more time than y	ou would like on y	our bowel pro	blem				
Pre-treatment							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	17	(18.9%)	12	(12.1%)	29	(15.3%)	
Rarely	13	(14.4%)	11	(11.1%)	24	(12.7%)	
Some of the time	33	(36.7%)	38	(38.4%)	71	(37.6%)	
Most of the time	12	(13.3%)	20	(20.2%)	32	(16.9%)	
Always	15	(16.7%)	18	(18.2%)	33	(17.5%)	
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)	
Week 6							
Missing	1	(1.6%)	0	(0.0%)	1	(0.7%)	
Never	10	(16.1%)	8	(9.2%)	18	(12.1%)	
Rarely	10	(16.1%)	13	(14.9%)	23	(15.4%)	
Some of the time	21	(33.9%)	36	(41.4%)	57	(38.3%)	
Most of the time	10	(16.1%)	20	(23.0%)	30	(20.1%)	
Always	10	(16.1%)	10	(11.5%)	20	(13.4%)	
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Never	8	(13.6%)	7	(8.3%)	15	(10.5%)	
Rarely	11	(18.6%)	17	(20.2%)	28	(19.6%)	
Some of the time	25	(42.4%)	29	(34.5%)	54	(37.8%)	
Most of the time	10	(16.9%)	21	(25.0%)	31	(21.7%)	
Always	5	(8.5%)	10	(11.9%)	15	(10.5%)	
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 239 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total			
Variable						
How much are you bothered by the extent to which you spend more time than you would like on your bowel problem						
Pre-treatment						
Ν	90	98	188			
Missing	0	1	1			
Mean	5.0	5.7	5.4			
SD	3.61	3.39	3.51			
Minimum	0	0	0			
Median	5.0	6.5	6.0			
Maximum	10	10	10			
Week 6						
Ν	60	87	147			
Missing	2	0	2			
Mean	4.8	5.7	5.3			
SD	3.54	2.97	3.24			
Minimum	0	0	C			
Median	4.0	6.0	6.0			
Maximum	10	10	10			
Pre-treatment vs. Week 6						
Ν	60	86	146			
Missing	30	13	43			
Mean	-0.1	0.2	0.1			
SD	2.69	2.64	2.66			
Minimum	-7	-9	-9			
Median	0.0	0.0	0.0			
Maximum	9	9	9			

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 240 of 464Table 7: Neurogenic Bowel Dysfuntion Questionnaire (PROM)

	Abdominal	St. 1. 1.C	T ()
Variable	Massage	Standard Care	Total
How much are you bothered by your bowel problem	y the extent to which you spend	l more time than you w	ould like on
Week 24			
Ν	57	84	141
Missing	2	0	2
Mean	4.4	5.4	5.0
SD	3.27	3.23	3.27
Minimum	0	0	0
Median	4.0	6.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	57	83	140
Missing	33	16	49
Mean	-0.6	-0.1	-0.3
SD	2.71	2.80	2.77
Minimum	-8	-9	-9
Median	0.0	0.0	0.0
Maximum	6	7	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 241 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		ominal ssage		ndard are	T	otal
Variable	Ν	(%)	N	(%)	N	(%)
Do you feel you can fit managing	g your bowel prob	lem into your li	ife			
Pre-treatment						
Missing	0	(0.0%)	1	(1.0%)	1	(0.5%)
Always	25	(27.8%)	30	(30.3%)	55	(29.1%)
Most of the time	40	(44.4%)	39	(39.4%)	79	(41.8%)
Some of the time	20	(22.2%)	24	(24.2%)	44	(23.3%)
Rarely	2	(2.2%)	4	(4.0%)	6	(3.2%)
Never	3	(3.3%)	1	(1.0%)	4	(2.1%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	1	(1.6%)	0	(0.0%)	1	(0.7%)
Always	12	(19.4%)	11	(12.6%)	23	(15.4%)
Most of the time	35	(56.5%)	38	(43.7%)	73	(49.0%)
Some of the time	10	(16.1%)	34	(39.1%)	44	(29.5%)
Rarely	3	(4.8%)	3	(3.4%)	6	(4.0%)
Never	1	(1.6%)	1	(1.1%)	2	(1.3%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Always	13	(22.0%)	15	(17.9%)	28	(19.6%)
Most of the time	40	(67.8%)	42	(50.0%)	82	(57.3%)
Some of the time	4	(6.8%)	23	(27.4%)	27	(18.9%)
Rarely	2	(3.4%)	2	(2.4%)	4	(2.8%)
Never	0	(0.0%)	2	(2.4%)	2	(1.4%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 242 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
How much are you bothered by t your life	he extent to which you can b	fit managing your bowe	l problem into
Pre-treatment			
Ν	90	97	187
Missing	0	2	2
Mean	3.9	4.8	4.4
SD	3.37	3.22	3.31
Minimum	0	0	0
Median	4.0	5.0	4.0
Maximum	10	10	10
Week 6			
Ν	60	87	147
Missing	2	0	2
Mean	4.3	5.0	4.7
SD	3.37	2.74	3.03
Minimum	0	0	0
Median	3.5	6.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	60	85	145
Missing	30	14	44
Mean	0.3	0.4	0.3
SD	3.37	2.49	2.87
Minimum	-8	-6	-8
Median	0.0	0.0	0.0
Maximum	10	7	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 243 of 464Table 7: Neurogenic Bowel Dysfuntion Questionnaire (PROM)

	Abdominal	Standard Care	Tetel
Variable	Massage	Standard Care	Total
How much are you bothered b your life	y the extent to which you can f	it managing your bowel	problem into
Week 24			
Ν	57	84	141
Missing	2	0	2
Mean	3.5	4.7	4.2
SD	3.04	3.05	3.09
Minimum	0	0	C
Median	3.0	5.0	4.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	57	82	139
Missing	33	17	50
Mean	-0.5	-0.0	-0.2
SD	3.04	2.97	2.99
Minimum	-9	-8	-9
Median	0.0	0.0	0.0
Maximum	5	8	8

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 244 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

		ominal ssage		ndard are	T	otal
Variable	Ν	(%)	N	(%)	N	(%)
Do you feel that your bowel pro	blem keeps you at	home more tha	n you w	ould like		
Pre-treatment						
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)
Never	32	(35.6%)	28	(28.3%)	60	(31.7%)
Rarely	28	(31.1%)	33	(33.3%)	61	(32.3%)
Some of the time	23	(25.6%)	29	(29.3%)	52	(27.5%)
Most of the time	1	(1.1%)	8	(8.1%)	9	(4.8%)
Always	5	(5.6%)	1	(1.0%)	6	(3.2%)
Total	90	(100.0%)	99	(100.0%)	189	(100.0%)
Week 6						
Missing	3	(4.8%)	1	(1.1%)	4	(2.7%)
Never	22	(35.5%)	21	(24.1%)	43	(28.9%)
Rarely	18	(29.0%)	26	(29.9%)	44	(29.5%)
Some of the time	14	(22.6%)	33	(37.9%)	47	(31.5%)
Most of the time	3	(4.8%)	6	(6.9%)	9	(6.0%)
Always	2	(3.2%)	0	(0.0%)	2	(1.3%)
Total	62	(100.0%)	87	(100.0%)	149	(100.0%)
Week 24						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Never	24	(40.7%)	28	(33.3%)	52	(36.4%)
Rarely	17	(28.8%)	21	(25.0%)	38	(26.6%)
Some of the time	16	(27.1%)	28	(33.3%)	44	(30.8%)
Most of the time	1	(1.7%)	6	(7.1%)	7	(4.9%)
Always	1	(1.7%)	1	(1.2%)	2	(1.4%)
Total	59	(100.0%)	84	(100.0%)	143	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 245 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total			
Variable						
How much are you bothered by the extent to which your bowel problem keeps you at home more than you would like						
Pre-treatment						
Ν	89	98	187			
Missing	1	1	2			
Mean	3.1	3.6	3.4			
SD	3.52	3.48	3.50			
Minimum	0	0	0			
Median	2.0	2.0	2.0			
Maximum	10	10	10			
Week 6						
Ν	60	85	145			
Missing	2	2	4			
Mean	3.2	4.2	3.8			
SD	3.71	3.17	3.42			
Minimum	0	0	0			
Median	1.0	4.0	3.0			
Maximum	10	10	10			
Pre-treatment vs. Week 6						
Ν	59	84	143			
Missing	31	15	46			
Mean	0.4	0.7	0.6			
SD	2.79	2.61	2.68			
Minimum	-8	-6	-8			
Median	0.0	0.0	0.0			
Maximum	8	9	9			

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 246 of 464Table 7: Neurogenic Bowel Dysfuntion Questionnaire (PROM)

	Abdominal		T - 4 - 1
Variable	Massage	Standard Care	Total
How much are you bothered by than you would like	y the extent to which your bow	el problem keeps you a	t home more
Week 24			
Ν	56	83	139
Missing	3	1	4
Mean	3.1	3.7	3.5
SD	3.27	3.23	3.25
Minimum	0	0	C
Median	2.0	3.0	3.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	55	82	137
Missing	35	17	52
Mean	0.4	0.4	0.4
SD	3.27	3.11	3.17
Minimum	-8	-8	-8
Median	0.0	0.0	0.0
Maximum	8	8	8

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 247 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
Rate your ability to live with y	our bowel problem		
Pre-treatment			
Ν	89	99	188
Missing	1	0	1
Mean	4.7	5.1	4.9
SD	2.55	2.53	2.54
Minimum	0	0	0
Median	5.0	5.0	5.0
Maximum	10	10	10
Week 6			
Ν	60	86	146
Missing	2	1	3
Mean	3.8	5.0	4.5
SD	2.63	2.13	2.42
Minimum	0	0	0
Median	3.0	5.0	5.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	59	86	145
Missing	31	13	44
Mean	-0.8	0.1	-0.3
SD	2.85	1.94	2.39
Minimum	-8	-5	-8
Median	-1.0	0.0	0.0
Maximum	9	5	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 248 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
Rate your ability to live with	your bowel problem		
Week 24			
Ν	59	83	142
Missing	0	1	1
Mean	3.7	4.6	4.2
SD	2.71	2.44	2.59
Minimum	0	0	0
Median	3.0	5.0	4.0
Maximum	10	8	10
Pre-treatment vs. Week 24			
Ν	58	83	141
Missing	32	16	48
Mean	-1.0	-0.3	-0.6
SD	3.04	2.56	2.78
Minimum	-8	-7	-8
Median	-1.0	0.0	0.0
Maximum	5	7	7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 249 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
Rate how much your bowel prob	lem restricts your life now		
Pre-treatment			
Ν	89	99	188
Missing	1	0	1
Mean	4.1	4.3	4.2
SD	3.03	2.97	2.99
Minimum	0	0	0
Median	4.0	4.0	4.0
Maximum	10	10	10
Week 6			
Ν	60	86	146
Missing	2	1	3
Mean	3.2	4.4	3.9
SD	2.86	2.60	2.77
Minimum	0	0	0
Median	2.5	5.0	4.0
Maximum	10	10	10
Pre-treatment vs. Week 6			
Ν	59	86	145
Missing	31	13	44
Mean	-0.9	0.3	-0.2
SD	2.33	2.13	2.29
Minimum	-6	-4	-6
Median	-1.0	0.0	0.0
Maximum	9	7	9

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 250 of 464Table 7: Neurogenic Bowel Dysfunction Questionnaire (PROM)

	Abdominal Massage	Standard Care	Total
Variable			
Rate how much your bowel pr	oblem restricts your life now		
Week 24			
Ν	59	84	143
Missing	0	0	0
Mean	2.9	4.1	3.6
SD	2.59	2.89	2.82
Minimum	0	0	0
Median	2.0	4.0	3.0
Maximum	10	10	10
Pre-treatment vs. Week 24			
Ν	58	84	142
Missing	32	15	47
Mean	-1.1	-0.0	-0.5
SD	2.55	2.64	2.64
Minimum	-8	-5	-8
Median	-0.5	0.0	0.0
Maximum	5	6	6

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Table 8: Ano-rectal sub-study		

	Abdominal Massage	Standard Care	Total
Variable			
No. of children born			
Week 1			
Ν	11	12	23
Missing	0	0	0
Mean	0.8	0.8	0.8
SD	0.87	1.11	0.98
Minimum	0	0	0
Median	1.0	0.0	0.0
Maximum	2	3	3
Week 24			
Ν	5	7	12
Missing	0	0	0
Mean	0.8	0.1	0.4
SD	1.10	0.38	0.79
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	2	1	2
Pre-treatment vs. Week 24			
Ν	5	6	11
Missing	6	7	13
Mean	0.0	0.0	0.0
SD	0.00	0.00	0.00
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	0	0	0

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 252 of 464Table 8: Ano-rectal sub-study

	Abdominal Massage	Standard Care	Total
Variable			
Duration of symptoms pre-injury/diagnosis [years]			
Week 1			
Ν	11	12	23
Missing	0	0	0
Mean	2.4	4.7	3.6
SD	5.97	14.35	10.98
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	20	50	50
Week 24			
Ν	5	7	12
Missing	0	0	0
Mean	1.4	8.6	5.6
SD	3.13	18.42	14.22
Minimum	0	0	0
Median	0.0	0.0	0.0
Maximum	7	50	50
Pre-treatment vs. Week 24			
Ν	5	6	11
Missing	6	7	13
Mean	1.4	0.7	1.0
SD	3.13	2.16	2.53
Minimum	0	-1	-1
Median	0.0	0.0	0.0
Maximum	7	5	7
AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 253 of 464Table 8: Ano-rectal sub-study

	Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Faecal incontinence?						
Week 1						
Yes	8	(72.7%)	7	(58.3%)	15	(65.2%)
No	3	(27.3%)	5	(41.7%)	8	(34.8%)
Total	11	(100.0%)	12	(100.0%)	23	(100.0%)
Week 24						
Yes	2	(40.0%)	6	(85.7%)	8	(66.7%)
No	3	(60.0%)	1	(14.3%)	4	(33.3%)
Total	5	(100.0%)	7	(100.0%)	12	(100.0%)
Difficult evacuation?						
Week 1						
Yes	11	(100.0%)	12	(100.0%)	23	(100.0%)
Total	11	(100.0%)	12	(100.0%)	23	(100.0%)
Week 24						
Yes	5	(100.0%)	7	(100.0%)	12	(100.0%)
Total	5	(100.0%)	7	(100.0%)	12	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 254 of 464Table 8: Ano-rectal sub-study

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	Ν	(%)	N	(%)	
Infrequent emptying?							
Week 1							
Missing	0	(0.0%)	1	(8.3%)	1	(4.3%)	
Yes	9	(81.8%)	9	(75.0%)	18	(78.3%)	
No	2	(18.2%)	2	(16.7%)	4	(17.4%)	
Total	11	(100.0%)	12	(100.0%)	23	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	4	(80.0%)	6	(85.7%)	10	(83.3%)	
No	1	(20.0%)	1	(14.3%)	2	(16.7%)	
Total	5	(100.0%)	7	(100.0%)	12	(100.0%)	
Abdominal pain?							
Week 1							
Missing	0	(0.0%)	1	(8.3%)	1	(4.3%)	
Yes	5	(45.5%)	4	(33.3%)	9	(39.1%)	
No	6	(54.5%)	7	(58.3%)	13	(56.5%)	
Total	11	(100.0%)	12	(100.0%)	23	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	1	(20.0%)	2	(28.6%)	3	(25.0%)	
No	4	(80.0%)	5	(71.4%)	9	(75.0%)	
Total	5	(100.0%)	7	(100.0%)	12	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 255 of 464Table 8: Ano-rectal sub-study

Variable		ominal ssage	Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)
Bloating?						
Week 1						
Missing	0	(0.0%)	1	(8.3%)	1	(4.3%)
Yes	8	(72.7%)	9	(75.0%)	17	(73.9%)
No	3	(27.3%)	2	(16.7%)	5	(21.7%)
Total	11	(100.0%)	12	(100.0%)	23	(100.0%)
Week 24						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Yes	2	(40.0%)	5	(71.4%)	7	(58.3%)
No	3	(60.0%)	2	(28.6%)	5	(41.7%)
Total	5	(100.0%)	7	(100.0%)	12	(100.0%)
Other symptoms?						
Week 1						
Missing	0	(0.0%)	1	(8.3%)	1	(4.3%)
Yes	4	(36.4%)	5	(41.7%)	9	(39.1%)
No	7	(63.6%)	6	(50.0%)	13	(56.5%)
Total	11	(100.0%)	12	(100.0%)	23	(100.0%)
Week 24						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Yes	1	(20.0%)	3	(42.9%)	4	(33.3%)
No	4	(80.0%)	4	(57.1%)	8	(66.7%)
Total	5	(100.0%)	7	(100.0%)	12	(100.0%)

	Abdominal Massage	Standard Care	Total
Variable			
Marker left colon			
Week 1			
Ν	11	12	23
Missing	0	0	0
Mean	7.8	15.1	11.6
SD	10.35	13.13	12.19
Minimum	0	0	0
Median	5.0	18.5	6.0
Maximum	33	42	42
Week 24			
Ν	5	7	12
Missing	0	0	0
Mean	14.4	11.6	12.8
SD	13.61	13.48	12.98
Minimum	0	0	0
Median	12.0	7.0	9.5
Maximum	29	32	32
Pre-treatment vs. Week 24			
Ν	5	6	11
Missing	6	7	13
Mean	0.4	-5.0	-2.5
SD	24.91	7.32	16.82
Minimum	-30	-13	-30
Median	6.0	-7.0	-6.0
Maximum	24	7	24

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 256 of 464Table 8: Ano-rectal sub-study

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Table 8: Ano-rectal sub-study		

	Abdominal Massage	Standard Care	Total
Variable			
Marker right colon			
Week 1			
Ν	11	12	23
Missing	0	0	0
Mean	3.0	5.1	4.1
SD	4.82	5.50	5.18
Minimum	0	0	0
Median	0.0	3.0	2.0
Maximum	13	15	15
Veek 24			
Ν	5	7	12
Missing	0	0	0
Mean	0.2	3.0	1.8
SD	0.45	4.55	3.66
Minimum	0	0	0
Median	0.0	2.0	0.5
Maximum	1	13	13
Pre-treatment vs. Week 24			
Ν	5	6	11
Missing	6	7	13
Mean	-4.6	-1.3	-2.8
SD	6.80	3.08	5.12
Minimum	-13	-6	-13
Median	0.0	-1.0	0.0
Maximum	1	3	3

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Table 8: Ano-rectal sub-study		

	Abdominal Massage	Standard Care	Total
Variable			
Marker recto-sigmoid			
Week 1			
Ν	11	12	23
Missing	0	0	0
Mean	11.7	15.9	13.9
SD	13.98	11.17	12.48
Minimum	0	0	0
Median	10.0	12.5	10.0
Maximum	46	33	46
Week 24			
Ν	5	7	12
Missing	0	0	0
Mean	28.8	12.9	19.5
SD	15.14	12.98	15.58
Minimum	6	1	1
Median	32.0	7.0	24.0
Maximum	48	30	48
Pre-treatment vs. Week 24			
Ν	5	6	11
Missing	6	7	13
Mean	17.4	-1.5	7.1
SD	15.49	11.22	16.01
Minimum	-6	-13	-13
Median	16.0	-5.0	6.0
Maximum	32	17	32

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Table 8: Ano-rectal sub-study		

	Abdominal Massage	Standard Care	Total
Variable			
Total markers			
Week 1			
Ν	11	12	23
Missing	0	0	0
Mean	22.5	36.1	29.6
SD	20.64	21.35	21.66
95%-LCL	8.68	22.52	20.24
95%-UCL	36.41	49.65	38.98
Minimum	0	0	0
Q1	1.0	15.5	7.0
Median	17.0	47.5	35.0
Q3	46.0	51.0	50.0
Maximum	54	60	60
Week 24			
Ν	5	7	12
Missing	0	0	0
Mean	43.4	27.4	34.1
SD	13.05	27.37	23.20
95%-LCL	27.20	2.12	19.34
95%-UCL	59.60	52.74	48.82
Minimum	32	1	1
Q1	35.0	4.0	9.0
Median	35.0	9.0	35.0
Q3	55.0	59.0	57.0
Maximum	60	60	60
Pre-treatment vs. Week 24			
Ν	5	6	11
Missing	6	7	13
Mean	13.2	-7.8	1.7
SD	26.77	11.87	21.86
95%-LCL	-20.04	-20.29	-12.96
95%-UCL	46.44	4.63	16.41
Minimum	-18	-26	-26
Q1	-11.0	-17.0	-17.0
Median	18.0	-5.0	-1.0
Q3	37.0	1.0	18.0
Maximum	40	5	40

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 260 of 464Table 8: Ano-rectal sub-study

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Transit speed							
Week 1							
Slow	6	(54.5%)	9	(75.0%)	15	(65.2%)	
Normal	5	(45.5%)	3	(25.0%)	8	(34.8%)	
Total	11	(100.0%)	12	(100.0%)	23	(100.0%)	
Week 24							
Slow	5	(100.0%)	4	(57.1%)	9	(75.0%)	
Normal	0	(0.0%)	3	(42.9%)	3	(25.0%)	
Total	5	(100.0%)	7	(100.0%)	12	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 261 of 464Table 8: Ano-rectal sub-study

· ·	Abdominal Massage	Standard Care	Total
Variable			
Barostat rectal compliance [mmHg/m]			
Week 1			
Ν	3	1	4
Missing	8	11	19
Mean	0.00	0.00	0.00
SD	0.000		0.000
Minimum	0.0	0.0	0.0
Median	0.00	0.00	0.00
Maximum	0.0	0.0	0.0
Week 24			
Ν	1	1	2
Missing	4	6	10
Mean	0.00	0.00	0.00
SD			0.000
Minimum	0.0	0.0	0.0
Median	0.00	0.00	0.00
Maximum	0.0	0.0	0.0
Pre-treatment vs. Week 24			
Ν	1	1	2
Missing	10	12	22
Mean	0.00	0.00	0.00
SD			0.000
Minimum	0.0	0.0	0.0
Median	0.00	0.00	0.00
Maximum	0.0	0.0	0.0

	Abdominal Massage	Standard Care	Total
Variable			
Anal electrosens [mA]			
Week 1			
Ν	9	11	20
Missing	2	1	3
Mean	11.09	9.58	10.26
SD	3.663	3.702	3.668
Minimum	7.6	4.2	4.2
Median	10.20	9.20	9.50
Maximum	20.0	17.8	20.0
Week 24			
Ν	4	7	11
Missing	1	0	1
Mean	11.85	8.71	9.85
SD	6.486	2.995	4.528
Minimum	6.2	5.0	5.0
Median	10.80	8.40	8.40
Maximum	19.6	13.2	19.6
Pre-treatment vs. Week 24			
Ν	4	6	10
Missing	7	7	14
Mean	-0.05	-1.17	-0.72
SD	2.615	3.135	2.841
Minimum	-2.6	-4.6	-4.6
Median	-0.60	-0.70	-0.60
Maximum	3.6	2.2	3.6

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AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 263 of 464Table 8: Ano-rectal sub-study

	Abdominal Massage		Standard Care		T	Total	
Variable	N	(%)	N	(%)	N	(%)	
Anal electrosens greater than 15mA?							
Week 1							
Missing	8	(72.7%)	10	(83.3%)	18	(78.3%)	
Yes	3	(27.3%)	2	(16.7%)	5	(21.7%)	
Total	11	(100.0%)	12	(100.0%)	23	(100.0%)	
Week 24							
Missing	3	(60.0%)	7	(100.0%)	10	(83.3%)	
Yes	2	(40.0%)	0	(0.0%)	2	(16.7%)	
Total	5	(100.0%)	7	(100.0%)	12	(100.0%)	

	Abdominal Massage	Standard Care	Total
Variable			
Rectal electrosens [mA]			
Week 1			
Ν	9	11	20
Missing	2	1	3
Mean	31.556	32.409	32.025
SD	13.7987	12.1178	12.5556
Minimum	7.50	12.50	7.50
Median	32.500	34.000	33.250
Maximum	47.00	50.00	50.00
Week 24			
Ν	4	7	11
Missing	1	0	1
Mean	22.800	22.071	22.336
SD	4.4113	10.2893	8.3363
Minimum	18.20	8.50	8.50
Median	22.750	21.500	21.500
Maximum	27.50	37.50	37.50
Pre-treatment vs. Week 24			
Ν	3	6	9
Missing	8	7	15
Mean	-8.267	-11.250	-10.256
SD	10.6566	17.0521	14.5722
Minimum	-19.50	-39.50	-39.50
Median	-7.000	-4.500	-7.000
Maximum	1.70	2.50	2.50

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 264 of 464Table 8: Ano-rectal sub-study

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 265 of 464Table 8: Ano-rectal sub-study

	Abdominal Massage		Standard Care		T	Total	
Variable	N	(%)	N	(%)	N	(%)	
Rectal electrosens greater than 30mA?							
Week 1							
Missing	4	(36.4%)	5	(41.7%)	9	(39.1%)	
Yes	7	(63.6%)	7	(58.3%)	14	(60.9%)	
Total	11	(100.0%)	12	(100.0%)	23	(100.0%)	
Week 24							
Missing	4	(80.0%)	5	(71.4%)	9	(75.0%)	
Yes	1	(20.0%)	2	(28.6%)	3	(25.0%)	
Total	5	(100.0%)	7	(100.0%)	12	(100.0%)	

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	Abdominal Massage	Standard Care	Total
Variable			
Balloon threshold volume [ml]			
Week 1			
Ν	11	11	22
Missing	0	1	1
Mean	42.7	55.5	49.1
SD	33.04	34.75	33.72
Minimum	15	15	15
Median	25.0	50.0	35.0
Maximum	100	110	110
Week 24			
Ν	5	7	12
Missing	0	0	0
Mean	64.0	30.7	44.6
SD	58.99	15.92	41.20
Minimum	20	20	20
Median	40.0	20.0	25.0
Maximum	160	60	160
Pre-treatment vs. Week 24			
Ν	5	5	10
Missing	6	8	14
Mean	11.0	-17.0	-3.0
SD	29.24	27.75	30.66
Minimum	-10	-40	-40
Median	0.0	-30.0	-5.0
Maximum	60	20	60

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Table 8: Ano-rectal sub-study				

	Abdominal Massage	Standard Care	Total
Variable			
Balloon urge volume [ml]			
Week 1			
Ν	11	12	23
Missing	0	0	0
Mean	106.4	105.0	105.7
SD	88.24	38.26	65.35
Minimum	40	50	40
Median	60.0	100.0	90.0
Maximum	290	160	290
Week 24			
Ν	5	7	12
Missing	0	0	0
Mean	134.0	108.6	119.2
SD	76.76	64.72	67.82
Minimum	65	45	45
Median	95.0	100.0	97.5
Maximum	240	240	240
Pre-treatment vs. Week 24			
Ν	5	6	11
Missing	6	7	13
Mean	-4.0	11.7	4.5
SD	45.74	69.47	57.60
Minimum	-50	-50	-50
Median	5.0	-17.5	-15.0
Maximum	55	140	140

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 268 of 464Table 8: Ano-rectal sub-study

	Abdominal Massage			ndard are	Total	
Variable	N	(%)	N	(%)	N	(%)
Balloon urge vol greater than 300 ml?						
Week 1						
Missing	11	(100.0%)	12	(100.0%)	23	(100.0%)
Total	11	(100.0%)	12	(100.0%)	23	(100.0%)
Week 24						
Missing	5	(100.0%)	7	(100.0%)	12	(100.0%)
Total	5	(100.0%)	7	(100.0%)	12	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 269 of 464Table 8: Ano-rectal sub-study

	Abdominal Massage	Standard Care	Total
Variable			
Balloon max tolerated volume [ml]			
Week 1			
Ν	11	12	23
Missing	0	0	0
Mean	165.5	188.8	177.6
SD	91.85	63.11	77.25
Minimum	65	90	65
Median	140.0	197.5	160.0
Maximum	345	300	345
Neek 24			
Ν	5	6	11
Missing	0	1	1
Mean	197.0	175.0	185.0
SD	96.80	79.69	83.99
Minimum	100	70	70
Median	180.0	190.0	180.0
Maximum	335	290	335
Pre-treatment vs. Week 24			
Ν	5	5	10
Missing	6	8	14
Mean	-2.0	-8.0	-5.0
SD	39.47	40.87	38.01
Minimum	-50	-50	-50
Median	-10.0	-20.0	-15.0
Maximum	55	60	60

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 270 of 464Table 8: Ano-rectal sub-study

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Balloon max tolerated vol g	reater than 300 ml?						
Week 1							
Missing	10	(90.9%)	12	(100.0%)	22	(95.7%)	
Yes	1	(9.1%)	0	(0.0%)	1	(4.3%)	
Total	11	(100.0%)	12	(100.0%)	23	(100.0%)	
Week 24							
Missing	4	(80.0%)	6	(85.7%)	10	(83.3%)	
Yes	1	(20.0%)	1	(14.3%)	2	(16.7%)	
Total	5	(100.0%)	7	(100.0%)	12	(100.0%)	

	Abdominal Massage	Standard Care	Total
Variable			
RAIR latency [msec]			
Week 1			
Ν	11	12	23
Missing	0	0	0
Mean	1.72	1.80	1.76
SD	0.732	0.776	0.739
Minimum	0.6	0.8	0.6
Median	1.70	1.80	1.70
Maximum	3.1	2.9	3.1
Week 24			
Ν	5	7	12
Missing	0	0	0
Mean	0.86	0.99	0.93
SD	0.627	0.654	0.617
Minimum	0.4	0.4	0.4
Median	0.50	0.70	0.65
Maximum	1.9	2.1	2.1
Pre-treatment vs. Week 24			
Ν	5	6	11
Missing	6	7	13
Mean	-1.02	-0.88	-0.95
SD	1.250	1.237	1.181
Minimum	-2.6	-2.5	-2.6
Median	-1.00	-0.90	-1.00
Maximum	0.2	0.7	0.7

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 271 of 464Table 8: Ano-rectal sub-study

	Abdominal Massage	Standard Care	Total
Variable			
RAIR duration [msec]			
Week 1			
Ν	11	12	23
Missing	0	0	0
Mean	6.84	7.35	7.10
SD	1.511	1.846	1.676
Minimum	4.7	3.0	3.0
Median	6.70	7.80	7.30
Maximum	9.4	10.3	10.3
Week 24			
Ν	5	7	12
Missing	0	0	0
Mean	5.90	5.97	5.94
SD	1.864	1.856	1.773
Minimum	3.9	3.9	3.9
Median	6.00	5.30	5.65
Maximum	8.8	9.0	9.0
Pre-treatment vs. Week 24			
Ν	5	6	11
Missing	6	7	13
Mean	-1.24	-1.90	-1.60
SD	1.210	1.441	1.320
Minimum	-2.8	-4.1	-4.1
Median	-0.70	-1.90	-1.30
Maximum	0.1	-0.2	0.1

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	Abdominal Massage	Standard Care	Total
Variable			
Anal rest pressure [cm H2O]			
Week 1			
Ν	11	12	23
Missing	0	0	0
Mean	67.0	66.3	66.7
SD	38.01	24.98	31.13
Minimum	33	28	28
Median	56.0	73.5	60.0
Maximum	159	114	159
Week 24			
Ν	5	7	12
Missing	0	0	0
Mean	55.6	58.3	57.2
SD	20.48	15.62	16.95
Minimum	41	31	31
Median	52.0	57.0	54.0
Maximum	91	79	91
Pre-treatment vs. Week 24			
Ν	5	6	11
Missing	6	7	13
Mean	-0.4	3.3	1.6
SD	15.27	7.61	11.23
Minimum	-18	-7	-18
Median	4.0	2.0	3.0
Maximum	15	14	15

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Table 8: Ano-rectal sub-study					

	Abdominal Massage	Standard Care	Total
Variable			
Anal squeeze pressure [cm H2O]			
Veek 1			
Ν	11	12	23
Missing	0	0	0
Mean	68.4	58.1	63.0
SD	69.89	41.94	55.92
Minimum	0	0	0
Median	32.0	48.5	46.0
Maximum	187	132	187
Veek 24			
Ν	5	7	12
Missing	0	0	0
Mean	42.8	53.7	49.2
SD	56.53	39.64	45.28
Minimum	5	4	4
Median	16.0	62.0	44.0
Maximum	139	115	139
re-treatment vs. Week 24			
Ν	5	6	11
Missing	6	7	13
Mean	18.4	2.0	9.5
SD	36.05	18.30	27.58
Minimum	-5	-32	-32
Median	5.0	8.0	5.0
Maximum	81	19	81

	Abdominal Massage	Standard Care	Total
Variable			
Wexner Total Score			
Week 1			
Ν	10	10	20
Missing	1	2	3
Mean	10.4	11.9	11.2
SD	4.77	3.57	4.17
Minimum	3	8	3
Median	10.5	11.0	11.0
Maximum	17	19	19
Week 24			
Ν	5	6	11
Missing	0	1	1
Mean	11.8	13.7	12.8
SD	3.63	3.93	3.74
Minimum	9	10	9
Median	10.0	13.0	12.0
Maximum	18	21	21
Pre-treatment vs. Week 24			
Ν	5	6	11
Missing	6	7	13
Mean	1.2	3.2	2.3
SD	1.48	3.13	2.61
Minimum	-1	0	-1
Median	1.0	3.0	2.0
Maximum	3	8	8

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AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 276 of 464Table 9: Patient Resource Use - Health Services

		ominal ssage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)	
Have you been seen by GP at surgery							
Week 1							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	5	(7.5%)	7	(8.0%)	12	(7.8%)	
No	62	(92.5%)	80	(92.0%)	142	(92.2%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)	
Yes	3	(4.5%)	3	(3.4%)	6	(3.9%)	
No	64	(95.5%)	83	(95.4%)	147	(95.5%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	1	(1.5%)	1	(1.1%)	2	(1.3%)	
Yes	5	(7.5%)	6	(6.9%)	11	(7.1%)	
No	61	(91.0%)	80	(92.0%)	141	(91.6%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	0	(0.0%)	1	(1.1%)	1	(0.7%)	
Yes	2	(3.0%)	5	(5.7%)	7	(4.6%)	
No	64	(97.0%)	81	(93.1%)	145	(94.8%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	1	(1.5%)	1	(1.2%)	2	(1.3%)	
Yes	0	(0.0%)	4	(4.7%)	4	(2.6%)	
No	65	(98.5%)	81	(94.2%)	146	(96.1%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	6	(9.1%)	6	(7.0%)	12	(7.9%)	
No	60	(90.9%)	80	(93.0%)	140	(92.1%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 277 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Have you been seen by GP at surgery						
Week 12						
Missing	0	(0.0%)	1	(1.3%)	1	(0.7%)
Yes	9	(16.1%)	10	(12.5%)	19	(14.0%)
No	47	(83.9%)	69	(86.3%)	116	(85.3%)
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)
Week 18						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Yes	17	(28.8%)	18	(23.1%)	35	(25.5%)
No	42	(71.2%)	60	(76.9%)	102	(74.5%)
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)
Week 24						
Missing	1	(1.7%)	0	(0.0%)	1	(0.7%)
Yes	9	(15.5%)	11	(13.1%)	20	(14.1%)
No	48	(82.8%)	73	(86.9%)	121	(85.2%)
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 278 of 464 Table 9: Patient Resource Use - Health Services

		ominal ssage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Participant has been seen by	GP at surgery becaus	se of bowel pro	blems				
Week 1							
Missing	64	(95.5%)	85	(97.7%)	149	(96.8%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	3	(4.5%)	2	(2.3%)	5	(3.2%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	65	(97.0%)	86	(98.9%)	151	(98.1%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	2	(3.0%)	1	(1.1%)	3	(1.9%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	66	(98.5%)	86	(98.9%)	152	(98.7%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	1	(1.5%)	1	(1.1%)	2	(1.3%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	65	(98.5%)	85	(97.7%)	150	(98.0%)	
Yes	0	(0.0%)	1	(1.1%)	1	(0.7%)	
No	1	(1.5%)	1	(1.1%)	2	(1.3%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	66	(100.0%)	85	(98.8%)	151	(99.3%)	
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	63	(95.5%)	84	(97.7%)	147	(96.7%)	
Yes	1	(1.5%)	1	(1.2%)	2	(1.3%)	
No	2	(3.0%)	1	(1.2%)	3	(2.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 279 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Participant has been seen by	GP at surgery becaus	se of bowel prol	blems				
Week 12							
Missing	47	(83.9%)	72	(90.0%)	119	(87.5%)	
Yes	2	(3.6%)	2	(2.5%)	4	(2.9%)	
No	7	(12.5%)	6	(7.5%)	13	(9.6%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	50	(84.7%)	65	(83.3%)	115	(83.9%)	
Yes	1	(1.7%)	2	(2.6%)	3	(2.2%)	
No	8	(13.6%)	11	(14.1%)	19	(13.9%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	54	(93.1%)	78	(92.9%)	132	(93.0%)	
Yes	1	(1.7%)	0	(0.0%)	1	(0.7%)	
No	3	(5.2%)	6	(7.1%)	9	(6.3%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 280 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Maggaga	Standard Care	Total
Variable	Massage	Stanuaru Care	Total
	GP at surgery because of bowel	problems [no]	
	or at surgery because or bower	Problems [no]	
Week 1			
N	0	0	0
Missing	67	87	154
Mean			
SD			
Minimum			
Median			
Maximum			
Week 2			
Ν	0	0	0
Missing	67	87	154
Mean			
SD			
Minimum			
Median			
Maximum			
Week 3			
Ν	0	0	0
Missing	67	87	154
Mean			
SD			
Minimum			
Median			
Maximum			
Week 4			
N	0	1	1
Missing	66	86	152
Mean		1.0	1.0
SD			
Minimum		1	1
Median		1.0	1.0
Maximum		1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 281 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Participant has been seen by	GP at surgery because of bowel	problems [no]	
Week 5			
Ν	0	0	0
Missing	66	86	152
Mean			
SD			
Minimum			
Median			
Maximum			
Week 6			
Ν	1	0	1
Missing	65	86	151
Mean	1.0		1.0
SD			
Minimum	1		1
Median	1.0		1.0
Maximum	1		1
Week 12			
Ν	2	2	4
Missing	54	78	132
Mean	1.0	1.5	1.3
SD	0.00	0.71	0.50
Minimum	1	1	1
Median	1.0	1.5	1.0
Maximum	1	2	2
Week 18			
Ν	2	3	5
Missing	57	75	132
Mean	1.5	1.3	1.4
SD	0.71	0.58	0.55
Minimum	1	1	1
Median	1.5	1.0	1.0
Maximum	2	2	2

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 282 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable	- -		
Participant has been seen by	GP at surgery because of bowe	el problems [no]	
Week 24			
Ν	2	0	2
Missing	56	84	140
Mean	1.0		1.0
SD	0.00		0.00
Minimum	1		1
Median	1.0		1.0
Maximum	1		1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 283 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Participant has been seen by	GP at surgery becaus	e of other heal	th probl	ems			
Week 1							
Missing	62	(92.5%)	80	(92.0%)	142	(92.2%)	
Yes	5	(7.5%)	7	(8.0%)	12	(7.8%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	64	(95.5%)	84	(96.6%)	148	(96.1%)	
Yes	3	(4.5%)	3	(3.4%)	6	(3.9%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	62	(92.5%)	81	(93.1%)	143	(92.9%)	
Yes	5	(7.5%)	6	(6.9%)	11	(7.1%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	64	(97.0%)	82	(94.3%)	146	(95.4%)	
Yes	2	(3.0%)	5	(5.7%)	7	(4.6%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	66	(100.0%)	83	(96.5%)	149	(98.0%)	
Yes	0	(0.0%)	3	(3.5%)	3	(2.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	61	(92.4%)	81	(94.2%)	142	(93.4%)	
Yes	5	(7.6%)	5	(5.8%)	10	(6.6%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 284 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Participant has been seen by	y GP at surgery becaus	e of other heal	th probl	ems			
Week 12							
Missing	47	(83.9%)	70	(87.5%)	117	(86.0%)	
Yes	8	(14.3%)	8	(10.0%)	16	(11.8%)	
No	1	(1.8%)	2	(2.5%)	3	(2.2%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	42	(71.2%)	61	(78.2%)	103	(75.2%)	
Yes	16	(27.1%)	16	(20.5%)	32	(23.4%)	
No	1	(1.7%)	1	(1.3%)	2	(1.5%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	49	(84.5%)	74	(88.1%)	123	(86.6%)	
Yes	8	(13.8%)	10	(11.9%)	18	(12.7%)	
No	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 285 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total				
Variable							
Participant has been seen by GP at surgery because of other health problems [no]							
Week 1							
Ν	5	6	11				
Missing	62	81	143				
Mean	1.0	1.0	1.0				
SD	0.00	0.00	0.00				
Minimum	1	1	1				
Median	1.0	1.0	1.0				
Maximum	1	1	1				
Week 2							
Ν	3	2	5				
Missing	64	85	149				
Mean	1.0	1.0	1.0				
SD	0.00	0.00	0.00				
Minimum	1	1	1				
Median	1.0	1.0	1.0				
Maximum	1	1	1				
Week 3							
Ν	5	6	11				
Missing	62	81	143				
Mean	1.0	1.0	1.0				
SD	0.00	0.00	0.00				
Minimum	1	1	1				
Median	1.0	1.0	1.0				
Maximum	1	1	1				
Week 4							
Ν	2	5	7				
Missing	64	82	146				
Mean	1.0	1.0	1.0				
SD	0.00	0.00	0.00				
Minimum	1	1	1				
Median	1.0	1.0	1.0				
Maximum	1	1	1				

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 286 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Participant has been seen by GP at surgery because of other health problems [no]								
Week 5								
Ν	0	2	2					
Missing	66	84	150					
Mean		1.0	1.0					
SD		0.00	0.00					
Minimum		1	1					
Median		1.0	1.0					
Maximum		1	1					
Week 6								
Ν	5	3	8					
Missing	61	83	144					
Mean	1.0	1.0	1.0					
SD	0.00	0.00	0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					
Week 12								
Ν	7	8	15					
Missing	49	72	121					
Mean	1.0	1.6	1.3					
SD	0.00	1.06	0.82					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	4	4					
Week 18								
Ν	12	11	23					
Missing	47	67	114					
Mean	1.2	1.8	1.5					
SD	0.39	1.25	0.95					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	2	4	4					

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 287 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Participant has been seen by	GP at surgery because of other	health problems [no]	
Week 24			
Ν	5	6	11
Missing	53	78	131
Mean	1.6	1.5	1.5
SD	1.34	0.84	1.04
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	4	3	4

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 288 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Have you been seen by nurse at surgery						
Week 1						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Yes	4	(6.0%)	1	(1.1%)	5	(3.2%)
No	63	(94.0%)	86	(98.9%)	149	(96.8%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	0	(0.0%)	2	(2.3%)	2	(1.3%)
Yes	1	(1.5%)	0	(0.0%)	1	(0.6%)
No	66	(98.5%)	85	(97.7%)	151	(98.1%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Yes	2	(3.0%)	4	(4.6%)	6	(3.9%)
No	65	(97.0%)	83	(95.4%)	148	(96.1%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	0	(0.0%)	1	(1.1%)	1	(0.7%)
Yes	1	(1.5%)	4	(4.6%)	5	(3.3%)
No	65	(98.5%)	82	(94.3%)	147	(96.1%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	0	(0.0%)	2	(2.3%)	2	(1.3%)
Yes	1	(1.5%)	6	(7.0%)	7	(4.6%)
No	65	(98.5%)	78	(90.7%)	143	(94.1%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Yes	5	(7.6%)	2	(2.3%)	7	(4.6%)
No	61	(92.4%)	84	(97.7%)	145	(95.4%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 289 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Have you been seen by nurse at surgery						
Week 12						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Yes	11	(19.6%)	9	(11.3%)	20	(14.7%)
No	45	(80.4%)	71	(88.8%)	116	(85.3%)
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)
Week 18						
Missing	0	(0.0%)	1	(1.3%)	1	(0.7%)
Yes	8	(13.6%)	8	(10.3%)	16	(11.7%)
No	51	(86.4%)	69	(88.5%)	120	(87.6%)
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)
Week 24						
Missing	1	(1.7%)	0	(0.0%)	1	(0.7%)
Yes	5	(8.6%)	8	(9.5%)	13	(9.2%)
No	52	(89.7%)	76	(90.5%)	128	(90.1%)
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 290 of 464Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		ndard are	Т	otal
	Ν	(%)	N	(%)	N	(%)
Participant has been seen by	v nurse at surgery beca	use of bowel p	roblems			
Week 1						
Missing	66	(98.5%)	87	(100.0%)	153	(99.4%)
No	1	(1.5%)	0	(0.0%)	1	(0.6%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	66	(98.5%)	86	(98.9%)	152	(98.7%)
No	1	(1.5%)	1	(1.1%)	2	(1.3%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	66	(100.0%)	86	(98.9%)	152	(99.3%)
No	0	(0.0%)	1	(1.1%)	1	(0.7%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	66	(100.0%)	86	(100.0%)	152	(100.0%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	65	(98.5%)	86	(100.0%)	151	(99.3%)
No	1	(1.5%)	0	(0.0%)	1	(0.7%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 291 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Participant has been seen by	y nurse at surgery beca	use of bowel p	roblems				
Week 12							
Missing	46	(82.1%)	75	(93.8%)	121	(89.0%)	
Yes	2	(3.6%)	1	(1.3%)	3	(2.2%)	
No	8	(14.3%)	4	(5.0%)	12	(8.8%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	54	(91.5%)	72	(92.3%)	126	(92.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	5	(8.5%)	6	(7.7%)	11	(8.0%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	55	(94.8%)	80	(95.2%)	135	(95.1%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	3	(5.2%)	4	(4.8%)	7	(4.9%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 292 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Participant has been seen by nurse at surgery because of bowel problems [no]								
Week 1								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 2								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 3								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 4								
Ν	0	0	0					
Missing	66	87	153					
Mean								
SD								
Minimum								
Median								
Maximum								

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 293 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable	wassage	Stanuaru Care	Totai					
Participant has been seen by nurse at surgery because of bowel problems [no]								
Week 5								
Ν	0	0	0					
Missing	66	86	152					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 6								
Ν	0	0	0					
Missing	66	86	152					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 12								
Ν	2	1	3					
Missing	54	79	133					
Mean	2.0	1.0	1.7					
SD	1.41		1.15					
Minimum	1	1	1					
Median	2.0	1.0	1.0					
Maximum	3	1	3					
Week 18								
Ν	0	0	0					
Missing	59	78	137					
Mean								
SD								
Minimum								
Median								
Maximum								

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 294 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Participant has been seen by	nurse at surgery because of bo	owel problems [no]	
Week 24			
Ν	() 0	0
Missing	58	8 84	142
Mean			
SD			
Minimum			
Median			
Maximum			

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 295 of 464Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		ndard are	T	otal
	Ν	(%)	N	(%)	N	(%)
Participant has been seen by	v nurse at surgery beca	use of other he	ealth pro	blems		
Week 1						
Missing	63	(94.0%)	86	(98.9%)	149	(96.8%)
Yes	4	(6.0%)	1	(1.1%)	5	(3.2%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	66	(98.5%)	87	(100.0%)	153	(99.4%)
Yes	1	(1.5%)	0	(0.0%)	1	(0.6%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	65	(97.0%)	83	(95.4%)	148	(96.1%)
Yes	2	(3.0%)	4	(4.6%)	6	(3.9%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	65	(98.5%)	83	(95.4%)	148	(96.7%)
Yes	1	(1.5%)	4	(4.6%)	5	(3.3%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	65	(98.5%)	81	(94.2%)	146	(96.1%)
Yes	1	(1.5%)	5	(5.8%)	6	(3.9%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	61	(92.4%)	84	(97.7%)	145	(95.4%)
Yes	5	(7.6%)	2	(2.3%)	7	(4.6%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 296 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Participant has been seen by	y nurse at surgery beca	use of other he	ealth pro	blems			
Week 12							
Missing	45	(80.4%)	71	(88.8%)	116	(85.3%)	
Yes	9	(16.1%)	8	(10.0%)	17	(12.5%)	
No	2	(3.6%)	1	(1.3%)	3	(2.2%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	51	(86.4%)	70	(89.7%)	121	(88.3%)	
Yes	8	(13.6%)	8	(10.3%)	16	(11.7%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	53	(91.4%)	76	(90.5%)	129	(90.8%)	
Yes	5	(8.6%)	8	(9.5%)	13	(9.2%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 297 of 464Table 9: Patient Resource Use - Health Services

	Abdominal	Standard Care	Total
Variable	Massage	Stanuaru Care	Total
v al lable			
Participant has been seen by	nurse at surgery because of othe	er health problems [no]	
Week 1			
Ν	2	0	2
Missing	65	87	152
Mean	1.0		1.0
SD	0.00		0.00
Minimum	1		1
Median	1.0		1.0
Maximum	1		1
Week 2			
Ν	0	0	0
Missing	67	87	154
Mean			
SD			
Minimum			
Median			
Maximum			
Week 3			
Ν	2	3	5
Missing	65	84	149
Mean	1.0	1.0	1.0
SD	0.00	0.00	0.00
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	1	1
Week 4			
Ν	0	3	3
Missing	66	84	150
Mean		1.0	1.0
SD		0.00	0.00
Minimum		1	1
Median		1.0	1.0
Maximum		1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 298 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Participant has been seen by nurse at surgery because of other health problems [no]								
Week 5								
Ν	1	4	5					
Missing	65	82	147					
Mean	1.0	1.8	1.6					
SD		1.50	1.34					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	4	4					
Week 6								
Ν	4	2	6					
Missing	62	84	146					
Mean	1.0	1.0	1.0					
SD	0.00	0.00	0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					
Week 12								
Ν	7	7	14					
Missing	49	73	122					
Mean	1.0	1.1	1.1					
SD	0.00	0.38	0.27					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	2	2					
Week 18								
Ν	4	8	12					
Missing	55	70	125					
Mean	1.0	1.5	1.3					
SD	0.00	1.07	0.89					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	4	4					

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 299 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal		
	Massage	Standard Care	Total
Variable			
Participant has been seen by	nurse at surgery because of oth	er health problems [no]	
Week 24			
Ν	4	7	11
Missing	54	77	131
Mean	1.0	1.0	1.0
SD	0.00	0.00	0.00
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 300 of 464Table 9: Patient Resource Use - Health Services

		ominal ssage		ndard are	Т	otal
Variable	N	(%)	N	(%)	N	(%)
Have you spoken to doctor by telephone						
Week 1						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Yes	2	(3.0%)	6	(6.9%)	8	(5.2%)
No	65	(97.0%)	81	(93.1%)	146	(94.8%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	1	(1.5%)	1	(1.1%)	2	(1.3%)
Yes	2	(3.0%)	4	(4.6%)	6	(3.9%)
No	64	(95.5%)	82	(94.3%)	146	(94.8%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	1	(1.5%)	0	(0.0%)	1	(0.6%)
Yes	2	(3.0%)	5	(5.7%)	7	(4.5%)
No	64	(95.5%)	82	(94.3%)	146	(94.8%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	0	(0.0%)	2	(2.3%)	2	(1.3%)
Yes	3	(4.5%)	5	(5.7%)	8	(5.2%)
No	63	(95.5%)	80	(92.0%)	143	(93.5%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	1	(1.5%)	1	(1.2%)	2	(1.3%)
Yes	1	(1.5%)	1	(1.2%)	2	(1.3%)
No	64	(97.0%)	84	(97.7%)	148	(97.4%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	1	(1.5%)	0	(0.0%)	1	(0.7%)
Yes	0	(0.0%)	2	(2.3%)	2	(1.3%)
No	65	(98.5%)	84	(97.7%)	149	(98.0%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 301 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Have you spoken to doctor by telephone						
Week 12						
Yes	5	(8.9%)	5	(6.3%)	10	(7.4%)
No	51	(91.1%)	75	(93.8%)	126	(92.6%)
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)
Week 18						
Yes	8	(13.6%)	10	(12.8%)	18	(13.1%)
No	51	(86.4%)	68	(87.2%)	119	(86.9%)
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)
Week 24						
Yes	4	(6.9%)	9	(10.7%)	13	(9.2%)
No	54	(93.1%)	75	(89.3%)	129	(90.8%)
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 302 of 464 Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you spoken to doctor b	y telephone because o	f bowel problei	ms				
Week 1							
Missing	66	(98.5%)	85	(97.7%)	151	(98.1%)	
Yes	0	(0.0%)	2	(2.3%)	2	(1.3%)	
No	1	(1.5%)	0	(0.0%)	1	(0.6%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	65	(97.0%)	86	(98.9%)	151	(98.1%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	2	(3.0%)	1	(1.1%)	3	(1.9%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	66	(98.5%)	85	(97.7%)	151	(98.1%)	
Yes	0	(0.0%)	1	(1.1%)	1	(0.6%)	
No	1	(1.5%)	1	(1.1%)	2	(1.3%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	65	(98.5%)	85	(97.7%)	150	(98.0%)	
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)	
No	0	(0.0%)	1	(1.1%)	1	(0.7%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	66	(100.0%)	85	(98.8%)	151	(99.3%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	66	(100.0%)	85	(98.8%)	151	(99.3%)	
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 303 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you spoken to doctor h	oy telephone because o	f bowel problei	ns				
Week 12							
Missing	52	(92.9%)	76	(95.0%)	128	(94.1%)	
Yes	1	(1.8%)	0	(0.0%)	1	(0.7%)	
No	3	(5.4%)	4	(5.0%)	7	(5.1%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	52	(88.1%)	76	(97.4%)	128	(93.4%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	7	(11.9%)	2	(2.6%)	9	(6.6%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	56	(96.6%)	78	(92.9%)	134	(94.4%)	
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)	
No	2	(3.4%)	5	(6.0%)	7	(4.9%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 304 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable	mussuge		1000					
Have you spoken to doctor by telephone because of bowel problems [no]								
Week 1								
Ν	0	1	1					
Missing	67	86	153					
Mean		1.0	1.0					
SD								
Minimum		1	1					
Median		1.0	1.0					
Maximum		1	1					
Week 2								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 3								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 4								
Ν	1	1	2					
Missing	65	86	151					
Mean	1.0	1.0	1.0					
SD			0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 305 of 464Table 9: Patient Resource Use - Health Services

	Abdominal	Standard Care	Tetal
Variable	Massage	Standard Care	Total
Have you spoken to doctor b	y telephone because of bowel pro	oblems [no]	
Week 5			
Ν	0	0	0
Missing	66	86	152
Mean			
SD			
Minimum			
Median			
Maximum			
Week 6			
Ν	0	0	0
Missing	66	86	152
Mean			
SD			
Minimum			
Median			
Maximum			
Week 12			
Ν	1	0	1
Missing	55	80	135
Mean	7.0		7.0
SD			
Minimum	7		7
Median	7.0		7.0
Maximum	7		7
Week 18			
Ν	0	1	1
Missing	59	77	136
Mean		1.0	1.0
SD			
Minimum		1	1
Median		1.0	1.0
Maximum		1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 306 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you spoken to doctor b	y telephone because of bowel p	roblems [no]	
Week 24			
Ν	0	1	1
Missing	58	83	141
Mean		1.0	1.0
SD			
Minimum		1	1
Median		1.0	1.0
Maximum		1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 307 of 464 Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you spoken to doctor by	y telephone because o	f other health p	problems	5			
Week 1							
Missing	65	(97.0%)	83	(95.4%)	148	(96.1%)	
Yes	2	(3.0%)	4	(4.6%)	6	(3.9%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	65	(97.0%)	83	(95.4%)	148	(96.1%)	
Yes	2	(3.0%)	4	(4.6%)	6	(3.9%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	65	(97.0%)	83	(95.4%)	148	(96.1%)	
Yes	2	(3.0%)	4	(4.6%)	6	(3.9%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	64	(97.0%)	82	(94.3%)	146	(95.4%)	
Yes	2	(3.0%)	4	(4.6%)	6	(3.9%)	
No	0	(0.0%)	1	(1.1%)	1	(0.7%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	65	(98.5%)	85	(98.8%)	150	(98.7%)	
Yes	1	(1.5%)	1	(1.2%)	2	(1.3%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	66	(100.0%)	85	(98.8%)	151	(99.3%)	
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 308 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you spoken to doctor b	oy telephone because o	f other health p	oroblems	5			
Week 12							
Missing	51	(91.1%)	75	(93.8%)	126	(92.6%)	
Yes	4	(7.1%)	5	(6.3%)	9	(6.6%)	
No	1	(1.8%)	0	(0.0%)	1	(0.7%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	51	(86.4%)	68	(87.2%)	119	(86.9%)	
Yes	8	(13.6%)	10	(12.8%)	18	(13.1%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	54	(93.1%)	76	(90.5%)	130	(91.5%)	
Yes	4	(6.9%)	7	(8.3%)	11	(7.7%)	
No	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 309 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Have you spoken to doctor by telephone because of other health problems [no]								
Week 1								
Ν	1	3	4					
Missing	66	84	150					
Mean	1.0	1.3	1.3					
SD		0.58	0.50					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	2	2					
Week 2								
Ν	2	4	6					
Missing	65	83	148					
Mean	1.0	1.0	1.0					
SD	0.00	0.00	0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					
Week 3								
Ν	2	3	5					
Missing	65	84	149					
Mean	1.0	1.0	1.0					
SD	0.00	0.00	0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					
Week 4								
Ν	2	4	6					
Missing	64	83	147					
Mean	1.0	1.0	1.0					
SD	0.00	0.00	0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 310 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Have you spoken to doctor by telephone because of other health problems [no]								
Week 5								
Ν	1	1	2					
Missing	65	85	150					
Mean	1.0	1.0	1.0					
SD			0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					
Week 6								
Ν	0	0	0					
Missing	66	86	152					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 12								
Ν	4	4	8					
Missing	52	76	128					
Mean	1.0	1.0	1.0					
SD	0.00	0.00	0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					
Week 18								
Ν	6	6	12					
Missing	53	72	125					
Mean	1.5	1.0	1.3					
SD	0.84	0.00	0.62					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	3	1	3					

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 311 of 464Table 9: Patient Resource Use - Health Services

	Abdominal		
	Massage	Standard Care	Total
Variable			
Have you spoken to doctor by	y telephone because of other he	ealth problems [no]	
Week 24			
Ν	2	6	8
Missing	56	78	134
Mean	2.5	1.7	1.9
SD	2.12	0.82	1.13
Minimum	1	1	1
Median	2.5	1.5	1.5
Maximum	4	. 3	4

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 312 of 464Table 9: Patient Resource Use - Health Services

		ominal ssage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)	
Have you spoken to nurse by telephone							
Week 1							
Missing	1	(1.5%)	0	(0.0%)	1	(0.6%)	
Yes	0	(0.0%)	4	(4.6%)	4	(2.6%)	
No	66	(98.5%)	83	(95.4%)	149	(96.8%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	0	(0.0%)	2	(2.3%)	2	(1.3%)	
Yes	3	(4.5%)	5	(5.7%)	8	(5.2%)	
No	64	(95.5%)	80	(92.0%)	144	(93.5%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	1	(1.5%)	0	(0.0%)	1	(0.6%)	
Yes	2	(3.0%)	5	(5.7%)	7	(4.5%)	
No	64	(95.5%)	82	(94.3%)	146	(94.8%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	1	(1.5%)	1	(1.1%)	2	(1.3%)	
Yes	2	(3.0%)	3	(3.4%)	5	(3.3%)	
No	63	(95.5%)	83	(95.4%)	146	(95.4%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Yes	4	(6.1%)	3	(3.5%)	7	(4.6%)	
No	62	(93.9%)	82	(95.3%)	144	(94.7%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	1	(1.5%)	0	(0.0%)	1	(0.7%)	
Yes	1	(1.5%)	4	(4.7%)	5	(3.3%)	
No	64	(97.0%)	82	(95.3%)	146	(96.1%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 313 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Have you spoken to nurse by telephone						
Week 12						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Yes	3	(5.4%)	2	(2.5%)	5	(3.7%)
No	53	(94.6%)	78	(97.5%)	131	(96.3%)
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)
Week 18						
Missing	0	(0.0%)	1	(1.3%)	1	(0.7%)
Yes	1	(1.7%)	3	(3.8%)	4	(2.9%)
No	58	(98.3%)	74	(94.9%)	132	(96.4%)
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)
Week 24						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Yes	3	(5.2%)	3	(3.6%)	6	(4.2%)
No	55	(94.8%)	81	(96.4%)	136	(95.8%)
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 314 of 464 Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		ndard are	Total	
	Ν	(%)	N	(%)	N	(%)
Have you spoken to nurse by	telephone because of	bowel problem	15			
Week 1						
Missing	67	(100.0%)	84	(96.6%)	151	(98.1%)
Yes	0	(0.0%)	1	(1.1%)	1	(0.6%)
No	0	(0.0%)	2	(2.3%)	2	(1.3%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	66	(98.5%)	84	(96.6%)	150	(97.4%)
Yes	1	(1.5%)	3	(3.4%)	4	(2.6%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	66	(98.5%)	83	(95.4%)	149	(96.8%)
Yes	1	(1.5%)	4	(4.6%)	5	(3.2%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	65	(98.5%)	86	(98.9%)	151	(98.7%)
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	65	(98.5%)	83	(96.5%)	148	(97.4%)
Yes	1	(1.5%)	3	(3.5%)	4	(2.6%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	65	(98.5%)	83	(96.5%)	148	(97.4%)
Yes	1	(1.5%)	3	(3.5%)	4	(2.6%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 315 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you spoken to nurse by	y telephone because of	bowel problem	ıs				
Week 12							
Missing	53	(94.6%)	78	(97.5%)	131	(96.3%)	
Yes	3	(5.4%)	0	(0.0%)	3	(2.2%)	
No	0	(0.0%)	2	(2.5%)	2	(1.5%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	59	(100.0%)	76	(97.4%)	135	(98.5%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	0	(0.0%)	2	(2.6%)	2	(1.5%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	55	(94.8%)	82	(97.6%)	137	(96.5%)	
Yes	3	(5.2%)	1	(1.2%)	4	(2.8%)	
No	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 316 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Have you spoken to nurse by telephone because of bowel problems [no]								
Week 1								
Ν	0	1	1					
Missing	67	86	153					
Mean		1.0	1.0					
SD								
Minimum		1	1					
Median		1.0	1.0					
Maximum		1	1					
Week 2								
Ν	1	3	4					
Missing	66	84	150					
Mean	1.0	1.0	1.0					
SD		0.00	0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					
Week 3								
Ν	1	2	3					
Missing	66	85	151					
Mean	2.0	1.0	1.3					
SD		0.00	0.58					
Minimum	2	1	1					
Median	2.0	1.0	1.0					
Maximum	2	1	2					
Week 4								
Ν	1	1	2					
Missing	65	86	151					
Mean	1.0	1.0	1.0					
SD			0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 317 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Have you spoken to nurse by telephone because of bowel problems [no]								
Week 5								
Ν	1	3	4					
Missing	65	83	148					
Mean	1.0	1.0	1.0					
SD		0.00	0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					
Week 6								
Ν	1	2	3					
Missing	65	84	149					
Mean	1.0	1.0	1.0					
SD		0.00	0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					
Week 12								
Ν	3	0	3					
Missing	53	80	133					
Mean	3.0		3.0					
SD	3.46		3.46					
Minimum	1		1					
Median	1.0		1.0					
Maximum	7		7					
Week 18								
Ν	0	0	0					
Missing	59	78	137					
Mean								
SD								
Minimum								
Median								
Maximum								

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 318 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you spoken to nurse by	telephone because of bowel pr	oblems [no]	
Week 24			
Ν	3	1	4
Missing	55	83	138
Mean	1.0	3.0	1.5
SD	0.00)	1.00
Minimum	1	3	1
Median	1.0	3.0	1.0
Maximum	1	3	3

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 319 of 464 Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		ndard are	Total	
	Ν	(%)	N	(%)	N	(%)
Have you spoken to nurse by	telephone because of	other health p	roblems			
Week 1						
Missing	67	(100.0%)	83	(95.4%)	150	(97.4%)
Yes	0	(0.0%)	2	(2.3%)	2	(1.3%)
No	0	(0.0%)	2	(2.3%)	2	(1.3%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	64	(95.5%)	84	(96.6%)	148	(96.1%)
Yes	2	(3.0%)	2	(2.3%)	4	(2.6%)
No	1	(1.5%)	1	(1.1%)	2	(1.3%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	66	(98.5%)	84	(96.6%)	150	(97.4%)
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)
No	0	(0.0%)	2	(2.3%)	2	(1.3%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	64	(97.0%)	85	(97.7%)	149	(97.4%)
Yes	1	(1.5%)	2	(2.3%)	3	(2.0%)
No	1	(1.5%)	0	(0.0%)	1	(0.7%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	62	(93.9%)	84	(97.7%)	146	(96.1%)
Yes	3	(4.5%)	1	(1.2%)	4	(2.6%)
No	1	(1.5%)	1	(1.2%)	2	(1.3%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	65	(98.5%)	85	(98.8%)	150	(98.7%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	1	(1.5%)	1	(1.2%)	2	(1.3%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 320 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you spoken to nurse by	y telephone because of	other health p	roblems				
Week 12							
Missing	54	(96.4%)	78	(97.5%)	132	(97.1%)	
Yes	0	(0.0%)	2	(2.5%)	2	(1.5%)	
No	2	(3.6%)	0	(0.0%)	2	(1.5%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	58	(98.3%)	75	(96.2%)	133	(97.1%)	
Yes	1	(1.7%)	3	(3.8%)	4	(2.9%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	57	(98.3%)	81	(96.4%)	138	(97.2%)	
Yes	0	(0.0%)	3	(3.6%)	3	(2.1%)	
No	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 321 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Have you spoken to nurse by telephone because of other health problems [no]								
Week 1								
Ν	0	2	2					
Missing	67	85	152					
Mean		1.0	1.0					
SD		0.00	0.00					
Minimum		1	1					
Median		1.0	1.0					
Maximum		1	1					
Week 2								
Ν	2	2	4					
Missing	65	85	150					
Mean	1.0	1.0	1.0					
SD	0.00	0.00	0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					
Week 3								
Ν	1	0	1					
Missing	66	87	153					
Mean	1.0		1.0					
SD								
Minimum	1		1					
Median	1.0		1.0					
Maximum	1		1					
Week 4								
Ν	1	1	2					
Missing	65	86	151					
Mean	1.0	1.0	1.0					
SD			0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 322 of 464Table 9: Patient Resource Use - Health Services

	Abdominal		T - 4 - 1
Variable	Massage	Standard Care	Total
Variable			
Have you spoken to nurse by	v telephone because of other heal	th problems [no]	
Week 5			
Ν	3	1	4
Missing	63	85	148
Mean	1.0	1.0	1.0
SD	0.00		0.00
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	1	1
Week 6			
Ν	0	0	0
Missing	66	86	152
Mean			
SD			
Minimum			
Median			
Maximum			
Week 12			
Ν	0	2	2
Missing	56	78	134
Mean		1.0	1.0
SD		0.00	0.00
Minimum		1	1
Median		1.0	1.0
Maximum		1	1
Week 18			
Ν	0	3	3
Missing	59	75	134
Mean		1.0	1.0
SD		0.00	0.00
Minimum		1	1
Median		1.0	1.0
Maximum		1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 323 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you spoken to nurse by	v telephone because of other hea	alth problems [no]	
Week 24			
Ν	0	2	2
Missing	58	82	140
Mean		2.0	2.0
SD		1.41	1.41
Minimum		1	1
Median		2.0	2.0
Maximum		3	3

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 324 of 464Table 9: Patient Resource Use - Health Services

		ominal ssage		ndard are	Т	otal
Variable	N	(%)	N	(%)	N	(%)
Have you been seen by doctor at home						
Week 1						
Missing	1	(1.5%)	2	(2.3%)	3	(1.9%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	66	(98.5%)	85	(97.7%)	151	(98.1%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	0	(0.0%)	3	(3.4%)	3	(1.9%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	67	(100.0%)	84	(96.6%)	151	(98.1%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Yes	0	(0.0%)	1	(1.1%)	1	(0.6%)
No	67	(100.0%)	86	(98.9%)	153	(99.4%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	1	(1.5%)	3	(3.4%)	4	(2.6%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	65	(98.5%)	84	(96.6%)	149	(97.4%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	0	(0.0%)	2	(2.3%)	2	(1.3%)
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)
No	66	(100.0%)	83	(96.5%)	149	(98.0%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	1	(1.5%)	1	(1.2%)	2	(1.3%)
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)
No	65	(98.5%)	84	(97.7%)	149	(98.0%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 325 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Have you been seen by doctor at home						
Week 12						
Yes	0	(0.0%)	1	(1.3%)	1	(0.7%)
No	56	(100.0%)	79	(98.8%)	135	(99.3%)
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)
Week 18						
Yes	2	(3.4%)	1	(1.3%)	3	(2.2%)
No	57	(96.6%)	77	(98.7%)	134	(97.8%)
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)
Week 24						
Yes	1	(1.7%)	2	(2.4%)	3	(2.1%)
No	57	(98.3%)	82	(97.6%)	139	(97.9%)
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 326 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you been seen by docto	or at home because of	bowel problem	s				
Week 1							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	66	(100.0%)	85	(98.8%)	151	(99.3%)	
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 327 of 464Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		ndard are	T	otal
	Ν	(%)	N	(%)	N	(%)
Have you been seen by doct	or at home because of l	bowel problem	5			
Week 12						
Missing	56	(100.0%)	79	(98.8%)	135	(99.3%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	0	(0.0%)	1	(1.3%)	1	(0.7%)
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)
Week 18						
Missing	58	(98.3%)	78	(100.0%)	136	(99.3%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	1	(1.7%)	0	(0.0%)	1	(0.7%)
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)
Week 24						
Missing	57	(98.3%)	82	(97.6%)	139	(97.9%)
Yes	1	(1.7%)	1	(1.2%)	2	(1.4%)
No	0	(0.0%)	1	(1.2%)	1	(0.7%)
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 328 of 464Table 9: Patient Resource Use - Health Services

	Abdominal	Standard Care	Total					
Variable	Massage	Standard Care	Total					
Have you been seen by doctor at home because of bowel problems [no]								
Have you been seen by docto	r at nome because of bowel prof	Diems [no]						
Week 1								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 2								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 3								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 4								
Ν	0	0	0					
Missing	66	87	153					
Mean								
SD								
Minimum								
Median								
Maximum								

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 329 of 464Table 9: Patient Resource Use - Health Services

	Abdominal	Standard Care	Total
Variable	Massage	Standard Care	Total
	· · · · · · · · · · · · · · · · · · ·		
Have you been seen by docto	r at home because of bowel prob	olems [no]	
Week 5			
Ν	0	0	0
Missing	66	86	152
Mean			
SD			
Minimum			
Median			
Maximum			
Week 6			
Ν	0	0	0
Missing	66	86	152
Mean			
SD			
Minimum			
Median			
Maximum			
Week 12			
Ν	0	0	0
Missing	56	80	136
Mean			
SD			
Minimum			
Median			
Maximum			
Week 18			
Ν	0	0	0
Missing	59	78	137
Mean			
SD			
Minimum			
Median			
Maximum			

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 330 of 464 Table 9: Patient Resource Use - Health Services

x 7 • • •	Abdominal Massage	Standard Care	Total
Variable			
Have you been seen by docto	r at home because of bowel pro	blems [no]	
Week 24			
Ν	1	2	3
Missing	57	82	139
Mean	1.0	0.5	0.7
SD		0.71	0.58
Minimum	1	0	0
Median	1.0	0.5	1.0
Maximum	1	1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 331 of 464Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		ndard are	T	otal
	Ν	(%)	N	(%)	N	(%)
Have you been seen by docto	or at home because of (other health pr	oblems			
Week 1						
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	67	(100.0%)	86	(98.9%)	153	(99.4%)
Yes	0	(0.0%)	1	(1.1%)	1	(0.6%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	66	(100.0%)	87	(100.0%)	153	(100.0%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	66	(100.0%)	85	(98.8%)	151	(99.3%)
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	66	(100.0%)	86	(100.0%)	152	(100.0%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 332 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you been seen by doct	or at home because of o	other health pr	oblems				
Week 12							
Missing	56	(100.0%)	79	(98.8%)	135	(99.3%)	
Yes	0	(0.0%)	1	(1.3%)	1	(0.7%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	57	(96.6%)	77	(98.7%)	134	(97.8%)	
Yes	2	(3.4%)	1	(1.3%)	3	(2.2%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	57	(98.3%)	82	(97.6%)	139	(97.9%)	
Yes	0	(0.0%)	2	(2.4%)	2	(1.4%)	
No	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 333 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Have you been seen by doctor at home because of other health problems [no]								
Week 1								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 2								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 3								
Ν	0	1	1					
Missing	67	86	153					
Mean		1.0	1.0					
SD								
Minimum		1	1					
Median		1.0	1.0					
Maximum		1	1					
Week 4								
Ν	0	0	0					
Missing	66	87	153					
Mean								
SD								
Minimum								
Median								
Maximum								

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 334 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Have you been seen by doctor at home because of other health problems [no]								
Week 5								
Ν	0	0	0					
Missing	66	86	152					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 6								
Ν	0	0	0					
Missing	66	86	152					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 12								
Ν	0	1	1					
Missing	56	79	135					
Mean		1.0	1.0					
SD								
Minimum		1	1					
Median		1.0	1.0					
Maximum		1	1					
Week 18								
Ν	2	1	3					
Missing	57	77	134					
Mean	1.0	2.0	1.3					
SD	0.00		0.58					
Minimum	1	2	1					
Median	1.0	2.0	1.0					
Maximum	1	2	2					

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 335 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you been seen by docto	or at home because of other heal	th problems [no]	
Week 24			
Ν	0	2	2
Missing	58	82	140
Mean		3.0	3.0
SD		2.83	2.83
Minimum		1	1
Median		3.0	3.0
Maximum		5	5

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 336 of 464Table 9: Patient Resource Use - Health Services

		ominal ssage		ndard are	T	otal
Variable	N	(%)	N	(%)	N	(%)
Have you been seen by a nurse at home						
Week 1						
Missing	1	(1.5%)	2	(2.3%)	3	(1.9%)
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)
No	65	(97.0%)	84	(96.6%)	149	(96.8%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	0	(0.0%)	4	(4.6%)	4	(2.6%)
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)
No	66	(98.5%)	82	(94.3%)	148	(96.1%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)
No	66	(98.5%)	86	(98.9%)	152	(98.7%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	1	(1.5%)	3	(3.4%)	4	(2.6%)
Yes	2	(3.0%)	1	(1.1%)	3	(2.0%)
No	63	(95.5%)	83	(95.4%)	146	(95.4%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	0	(0.0%)	2	(2.3%)	2	(1.3%)
Yes	2	(3.0%)	1	(1.2%)	3	(2.0%)
No	64	(97.0%)	83	(96.5%)	147	(96.7%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	2	(3.0%)	2	(2.3%)	4	(2.6%)
Yes	1	(1.5%)	1	(1.2%)	2	(1.3%)
No	63	(95.5%)	83	(96.5%)	146	(96.1%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 337 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Have you been seen by a nurse at home						
Week 12						
Yes	2	(3.6%)	2	(2.5%)	4	(2.9%)
No	54	(96.4%)	78	(97.5%)	132	(97.1%)
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)
Week 18						
Yes	3	(5.1%)	3	(3.8%)	6	(4.4%)
No	56	(94.9%)	75	(96.2%)	131	(95.6%)
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)
Week 24						
Yes	1	(1.7%)	2	(2.4%)	3	(2.1%)
No	57	(98.3%)	82	(97.6%)	139	(97.9%)
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 338 of 464 Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you been seen by a nur	se at home because of	bowel problem	15				
Week 1							
Missing	66	(98.5%)	86	(98.9%)	152	(98.7%)	
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	66	(98.5%)	86	(98.9%)	152	(98.7%)	
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	66	(98.5%)	86	(98.9%)	152	(98.7%)	
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	65	(98.5%)	86	(98.9%)	151	(98.7%)	
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	65	(98.5%)	85	(98.8%)	150	(98.7%)	
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)	
No	1	(1.5%)	0	(0.0%)	1	(0.7%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	65	(98.5%)	85	(98.8%)	150	(98.7%)	
Yes	1	(1.5%)	1	(1.2%)	2	(1.3%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

- calculated values

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 339 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you been seen by a nur	rse at home because of	bowel problem	ıs				
Week 12							
Missing	54	(96.4%)	79	(98.8%)	133	(97.8%)	
Yes	1	(1.8%)	1	(1.3%)	2	(1.5%)	
No	1	(1.8%)	0	(0.0%)	1	(0.7%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	57	(96.6%)	77	(98.7%)	134	(97.8%)	
Yes	1	(1.7%)	1	(1.3%)	2	(1.5%)	
No	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	57	(98.3%)	82	(97.6%)	139	(97.9%)	
Yes	0	(0.0%)	2	(2.4%)	2	(1.4%)	
No	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 340 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you been seen by a nur	se at home because of bowel pro	blems [no]	
Week 1			
Ν	1	1	2
Missing	66	86	152
Mean	3.0	1.0	2.0
SD			1.41
Minimum	3	1	1
Median	3.0	1.0	2.0
Maximum	3	1	3
Week 2			
Ν	0	1	1
Missing	67	86	153
Mean		1.0	1.0
SD			
Minimum		1	1
Median		1.0	1.0
Maximum		1	1
Week 3			
Ν	1	1	2
Missing	66	86	152
Mean	4.0	1.0	2.5
SD			2.12
Minimum	4	1	1
Median	4.0	1.0	2.5
Maximum	4	1	4
Week 4			
Ν	1	1	2
Missing	65	86	151
Mean	3.0	1.0	2.0
SD			1.41
Minimum	3	1	1
Median	3.0	1.0	2.0
Maximum	3	1	3

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 341 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you been seen by a nur	se at home because of bowel pro	blems [no]	
Week 5			
Ν	0	1	1
Missing	66	85	151
Mean		1.0	1.0
SD			
Minimum		1	1
Median		1.0	1.0
Maximum		1	1
Week 6			
Ν	1	1	2
Missing	65	85	150
Mean	3.0	1.0	2.0
SD			1.41
Minimum	3	1	1
Median	3.0	1.0	2.0
Maximum	3	1	3
Week 12			
Ν	1	1	2
Missing	55	79	134
Mean	3.0	1.0	2.0
SD			1.41
Minimum	3	1	1
Median	3.0	1.0	2.0
Maximum	3	1	3
Week 18			
Ν	1	1	2
Missing	58	77	135
Mean	3.0	4.0	3.5
SD			0.71
Minimum	3	4	3
Median	3.0	4.0	3.5
Maximum	3	4	4

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 342 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you been seen by a nur	rse at home because of bowel pr	oblems [no]	
Week 24			
Ν	0	2	2
Missing	58	82	140
Mean		4.5	4.5
SD		2.12	2.12
Minimum		3	3
Median		4.5	4.5
Maximum		6	6

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 343 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you been seen by a nu	rse at home because of	other health p	roblems				
Week 1							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	65	(98.5%)	87	(100.0%)	152	(99.3%)	
Yes	1	(1.5%)	0	(0.0%)	1	(0.7%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	64	(97.0%)	86	(100.0%)	150	(98.7%)	
Yes	2	(3.0%)	0	(0.0%)	2	(1.3%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 344 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you been seen by a nu	rse at home because of	other health p	roblems				
Week 12							
Missing	54	(96.4%)	78	(97.5%)	132	(97.1%)	
Yes	1	(1.8%)	1	(1.3%)	2	(1.5%)	
No	1	(1.8%)	1	(1.3%)	2	(1.5%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	56	(94.9%)	75	(96.2%)	131	(95.6%)	
Yes	2	(3.4%)	2	(2.6%)	4	(2.9%)	
No	1	(1.7%)	1	(1.3%)	2	(1.5%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	57	(98.3%)	83	(98.8%)	140	(98.6%)	
Yes	1	(1.7%)	0	(0.0%)	1	(0.7%)	
No	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 345 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you been seen by a nur	rse at home because of other heal	th problems [no]	
Week 1			
Ν	0	0	0
Missing	67	87	154
Mean			
SD			
Minimum			
Median			
Maximum			
Week 2			
Ν	0	0	0
Missing	67	87	154
Mean			
SD			
Minimum			
Median			
Maximum			
Week 3			
Ν	0	0	0
Missing	67	87	154
Mean			
SD			
Minimum			
Median			
Maximum			
Week 4			
Ν	1	0	1
Missing	65	87	152
Mean	1.0		1.0
SD			
Minimum	1		1
Median	1.0		1.0
Maximum	1		1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 346 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you been seen by a nur	se at home because of other heal	th problems [no]	
Week 5			
Ν	1	0	1
Missing	65	86	151
Mean	1.0		1.0
SD			
Minimum	1		1
Median	1.0		1.0
Maximum	1		1
Week 6			
Ν	0	0	0
Missing	66	86	152
Mean			
SD			
Minimum			
Median			
Maximum			
Week 12			
Ν	1	1	2
Missing	55	79	134
Mean	2.0	1.0	1.5
SD			0.71
Minimum	2	1	1
Median	2.0	1.0	1.5
Maximum	2	1	2
Week 18			
Ν	2	1	3
Missing	57	77	134
Mean	1.5	3.0	2.0
SD	0.71		1.00
Minimum	1	3	1
Median	1.5	3.0	2.0
Maximum	2	3	3

- calculated values

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 347 of 464 Table 9: Patient Resource Use - Health Services

· · · · ·	Abdominal Massage			Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)	
Have you visited an out of hours clinic							
Week 1							
Missing	1	(1.5%)	1	(1.1%)	2	(1.3%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	66	(98.5%)	86	(98.9%)	152	(98.7%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	0	(0.0%)	3	(3.4%)	3	(1.9%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	67	(100.0%)	84	(96.6%)	151	(98.1%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	1	(1.5%)	0	(0.0%)	1	(0.6%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	66	(98.5%)	87	(100.0%)	153	(99.4%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	2	(3.0%)	2	(2.3%)	4	(2.6%)	
Yes	0	(0.0%)	1	(1.1%)	1	(0.7%)	
No	64	(97.0%)	84	(96.6%)	148	(96.7%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	2	(3.0%)	2	(2.3%)	4	(2.6%)	
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)	
No	64	(97.0%)	83	(96.5%)	147	(96.7%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	3	(4.5%)	2	(2.3%)	5	(3.3%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	63	(95.5%)	84	(97.7%)	147	(96.7%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 348 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Have you visited an out of hours clinic						
Week 12						
Yes	0	(0.0%)	1	(1.3%)	1	(0.7%)
No	56	(100.0%)	79	(98.8%)	135	(99.3%)
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)
Week 18						
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	59	(100.0%)	78	(100.0%)	137	(100.0%)
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)
Week 24						
Yes	0	(0.0%)	2	(2.4%)	2	(1.4%)
No	58	(100.0%)	82	(97.6%)	140	(98.6%)
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 349 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you visited an out of h	ours clinic because of l	oowel problems	5				
Week 1							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 350 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you visited an out of h	ours clinic because of l	oowel problems	5				
Week 12							
Missing	56	(100.0%)	79	(98.8%)	135	(99.3%)	
No	0	(0.0%)	1	(1.3%)	1	(0.7%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	59	(100.0%)	78	(100.0%)	137	(100.0%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	58	(100.0%)	83	(98.8%)	141	(99.3%)	
No	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 351 of 464Table 9: Patient Resource Use - Health Services

	Abdominal	Standard Care	Total
Variable	Massage	Standard Care	Total
Have you visited an out of ho	ours clinic because of bowel prob	olems [no]	
Week 1			
Ν	0	0	C
Missing	67	87	154
Mean			
SD			
Minimum			
Median			
Maximum			
Week 2			
Ν	0	0	0
Missing	67	87	154
Mean			
SD			
Minimum			
Median			
Maximum			
Week 3			
Ν	0	0	0
Missing	67	87	154
Mean			
SD			
Minimum			
Median			
Maximum			
Week 4			
Ν	0	0	0
Missing	66	87	153
Mean			
SD			
Minimum			
Median			
Maximum			

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 352 of 464Table 9: Patient Resource Use - Health Services

	Abdominal	Stondard Cons	Tatal
Variable	Massage	Standard Care	Total
v al lable			
Have you visited an out of ho	ours clinic because of bowel prob	olems [no]	
Week 5			
Ν	0	0	0
Missing	66	86	152
Mean			
SD			
Minimum			
Median			
Maximum			
Week 6			
Ν	0	0	0
Missing	66	86	152
Mean			
SD			
Minimum			
Median			
Maximum			
Week 12			
Ν	0	0	0
Missing	56	80	136
Mean			
SD			
Minimum			
Median			
Maximum			
Week 18			
Ν	0	0	0
Missing	59	78	137
Mean			
SD			
Minimum			
Median			
Maximum			

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialTable 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you visited an out of he	ours clinic because of bowel pro	oblems [no]	
Week 24			
Ν	C	0	0
Missing	58	8 84	142
Mean			
SD			
Minimum			
Median			
Maximum			

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 354 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you visited an out of he	ours clinic because of o	other health pr	oblems				
Week 1							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	66	(100.0%)	86	(98.9%)	152	(99.3%)	
Yes	0	(0.0%)	1	(1.1%)	1	(0.7%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	66	(100.0%)	85	(98.8%)	151	(99.3%)	
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 355 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you visited an out of h	ours clinic because of (other health pro	oblems				
Week 12							
Missing	56	(100.0%)	79	(98.8%)	135	(99.3%)	
Yes	0	(0.0%)	1	(1.3%)	1	(0.7%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	58	(100.0%)	82	(97.6%)	140	(98.6%)	
Yes	0	(0.0%)	2	(2.4%)	2	(1.4%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 356 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Have you visited an out of hours clinic because of other health problems [no]								
Week 1								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 2								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 3								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 4								
Ν	0	1	1					
Missing	66	86	152					
Mean		1.0	1.0					
SD								
Minimum		1	1					
Median		1.0	1.0					
Maximum		1	1					

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 357 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Have you visited an out of hours clinic because of other health problems [no]								
Week 5								
Ν	0	1	1					
Missing	66	85	151					
Mean		1.0	1.0					
SD								
Minimum		1	1					
Median		1.0	1.0					
Maximum		1	1					
Week 6								
Ν	0	0	0					
Missing	66	86	152					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 12								
Ν	0	1	1					
Missing	56	79	135					
Mean		1.0	1.0					
SD								
Minimum		1	1					
Median		1.0	1.0					
Maximum		1	1					
Week 18								
Ν	0	0	0					
Missing	59	78	137					
Mean								
SD								
Minimum								
Median								
Maximum								

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 358 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you visited an out of h	ours clinic because of other heal	th problems [no]	
Week 24			
Ν	0	2	2
Missing	58	82	140
Mean		1.0	1.0
SD		0.00	0.00
Minimum		1	1
Median		1.0	1.0
Maximum		1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 359 of 464 Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you been seen by doctor	• at routine hospital o	or outpatient de	epartmei	nt			
Week 1							
Missing	2	(3.0%)	1	(1.1%)	3	(1.9%)	
Yes	5	(7.5%)	7	(8.0%)	12	(7.8%)	
No	60	(89.6%)	79	(90.8%)	139	(90.3%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	0	(0.0%)	4	(4.6%)	4	(2.6%)	
Yes	6	(9.0%)	3	(3.4%)	9	(5.8%)	
No	61	(91.0%)	80	(92.0%)	141	(91.6%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	3	(4.5%)	6	(6.9%)	9	(5.8%)	
No	64	(95.5%)	81	(93.1%)	145	(94.2%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	1	(1.5%)	3	(3.4%)	4	(2.6%)	
Yes	4	(6.1%)	7	(8.0%)	11	(7.2%)	
No	61	(92.4%)	77	(88.5%)	138	(90.2%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	0	(0.0%)	2	(2.3%)	2	(1.3%)	
Yes	2	(3.0%)	4	(4.7%)	6	(3.9%)	
No	64	(97.0%)	80	(93.0%)	144	(94.7%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	1	(1.5%)	1	(1.2%)	2	(1.3%)	
Yes	3	(4.5%)	5	(5.8%)	8	(5.3%)	
No	62	(93.9%)	80	(93.0%)	142	(93.4%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

- calculated values

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 360 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you been seen by doct	or at routine hospital o	or outpatient de	epartmei	nt			
Week 12							
Missing	0	(0.0%)	1	(1.3%)	1	(0.7%)	
Yes	5	(8.9%)	5	(6.3%)	10	(7.4%)	
No	51	(91.1%)	74	(92.5%)	125	(91.9%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	7	(11.9%)	17	(21.8%)	24	(17.5%)	
No	52	(88.1%)	61	(78.2%)	113	(82.5%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	6	(10.3%)	19	(22.6%)	25	(17.6%)	
No	52	(89.7%)	65	(77.4%)	117	(82.4%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	
AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 361 of 464Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		ndard are	T	otal
	Ν	(%)	N	(%)	N	(%)
Have you been seen by docto	or at routine hospital o	or outpatient de	epartmei	nt because of b	owel pro	blems
Week 1						
Missing	64	(95.5%)	83	(95.4%)	147	(95.5%)
Yes	1	(1.5%)	2	(2.3%)	3	(1.9%)
No	2	(3.0%)	2	(2.3%)	4	(2.6%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	62	(92.5%)	86	(98.9%)	148	(96.1%)
Yes	1	(1.5%)	0	(0.0%)	1	(0.6%)
No	4	(6.0%)	1	(1.1%)	5	(3.2%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	66	(98.5%)	84	(96.6%)	150	(97.4%)
Yes	1	(1.5%)	0	(0.0%)	1	(0.6%)
No	0	(0.0%)	3	(3.4%)	3	(1.9%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	63	(95.5%)	84	(96.6%)	147	(96.1%)
Yes	1	(1.5%)	0	(0.0%)	1	(0.7%)
No	2	(3.0%)	3	(3.4%)	5	(3.3%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	64	(97.0%)	84	(97.7%)	148	(97.4%)
Yes	1	(1.5%)	0	(0.0%)	1	(0.7%)
No	1	(1.5%)	2	(2.3%)	3	(2.0%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	65	(98.5%)	83	(96.5%)	148	(97.4%)
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)
No	1	(1.5%)	2	(2.3%)	3	(2.0%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 362 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you been seen by docto	or at routine hospital o	r outpatient de	epartmei	nt because of b	owel pro	blems	
Week 12							
Missing	51	(91.1%)	76	(95.0%)	127	(93.4%)	
Yes	2	(3.6%)	0	(0.0%)	2	(1.5%)	
No	3	(5.4%)	4	(5.0%)	7	(5.1%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	54	(91.5%)	66	(84.6%)	120	(87.6%)	
Yes	0	(0.0%)	2	(2.6%)	2	(1.5%)	
No	5	(8.5%)	10	(12.8%)	15	(10.9%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	53	(91.4%)	71	(84.5%)	124	(87.3%)	
Yes	1	(1.7%)	2	(2.4%)	3	(2.1%)	
No	4	(6.9%)	11	(13.1%)	15	(10.6%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 363 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable	massage	Standard Care	Totai
Have you been seen by docto problems [no]	or at routine hospital or outpatie	nt department because o	of bowel
Week 1			
Ν	1	2	3
Missing	66	85	151
Mean	1.0	1.0	1.0
SD		0.00	0.00
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	1	1
Week 2			
Ν	1	0	1
Missing	66	87	153
Mean	1.0		1.0
SD			
Minimum	1		1
Median	1.0		1.0
Maximum	1		1
Week 3			
Ν	1	0	1
Missing	66	87	153
Mean	1.0		1.0
SD			
Minimum	1		1
Median	1.0		1.0
Maximum	1		1
Week 4			
Ν	1	0	1
Missing	65	87	152
Mean	1.0		1.0
SD			
Minimum	1		1
Median	1.0		1.0
Maximum	1		1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 364 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable	mussuge		Iotui
Have you been seen by docto problems [no]	or at routine hospital or outpatie	nt department because o	of bowel
Week 5			
Ν	1	0	1
Missing	65	86	151
Mean	1.0		1.0
SD			
Minimum	1		1
Median	1.0		1.0
Maximum	1		1
Week 6			
Ν	0	1	1
Missing	66	85	151
Mean		1.0	1.0
SD			
Minimum		1	1
Median		1.0	1.0
Maximum		1	1
Week 12			
Ν	2	0	2
Missing	54	80	134
Mean	1.0		1.0
SD	0.00		0.00
Minimum	1		1
Median	1.0		1.0
Maximum	1		1
Week 18			
Ν	0	2	2
Missing	59	76	135
Mean		1.0	1.0
SD		0.00	0.00
Minimum		1	1
Median		1.0	1.0
Maximum		1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 365 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you been seen by doctor at reproblems [no]	outine hospital or outpation	ent department becau	se of bowel
Week 24			
Ν	1	2	3
Missing	57	82	139
Mean	1.0	1.0	1.0
SD		0.00	0.00
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 366 of 464Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		ndard are	T	otal
	Ν	(%)	N	(%)	N	(%)
Have you been seen by docto	or at routine hospital o	or outpatient de	epartmei	nt because of o	ther heal	th problems
Week 1						
Missing	62	(92.5%)	80	(92.0%)	142	(92.2%)
Yes	4	(6.0%)	5	(5.7%)	9	(5.8%)
No	1	(1.5%)	2	(2.3%)	3	(1.9%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	61	(91.0%)	84	(96.6%)	145	(94.2%)
Yes	5	(7.5%)	3	(3.4%)	8	(5.2%)
No	1	(1.5%)	0	(0.0%)	1	(0.6%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	64	(95.5%)	81	(93.1%)	145	(94.2%)
Yes	3	(4.5%)	6	(6.9%)	9	(5.8%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	62	(93.9%)	80	(92.0%)	142	(92.8%)
Yes	3	(4.5%)	7	(8.0%)	10	(6.5%)
No	1	(1.5%)	0	(0.0%)	1	(0.7%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	64	(97.0%)	82	(95.3%)	146	(96.1%)
Yes	1	(1.5%)	4	(4.7%)	5	(3.3%)
No	1	(1.5%)	0	(0.0%)	1	(0.7%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	63	(95.5%)	82	(95.3%)	145	(95.4%)
Yes	3	(4.5%)	4	(4.7%)	7	(4.6%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 367 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you been seen by docto	or at routine hospital o	r outpatient de	epartmei	nt because of o	ther heal	lth problems	
Week 12							
Missing	52	(92.9%)	75	(93.8%)	127	(93.4%)	
Yes	4	(7.1%)	5	(6.3%)	9	(6.6%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	52	(88.1%)	61	(78.2%)	113	(82.5%)	
Yes	7	(11.9%)	16	(20.5%)	23	(16.8%)	
No	0	(0.0%)	1	(1.3%)	1	(0.7%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	52	(89.7%)	65	(77.4%)	117	(82.4%)	
Yes	5	(8.6%)	18	(21.4%)	23	(16.2%)	
No	1	(1.7%)	1	(1.2%)	2	(1.4%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 368 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you been seen by docto problems [no]	or at routine hospital or outpatie	nt department because o	of other health
Week 1			
Ν	3	5	8
Missing	64	82	146
Mean	1.0	1.2	1.1
SD	0.00	0.45	0.35
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	2	2
Week 2			
Ν	4	3	7
Missing	63	84	147
Mean	1.0	1.0	1.0
SD	0.00	0.00	0.00
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	1	1
Week 3			
Ν	3	5	8
Missing	64	82	146
Mean	1.0	1.2	1.1
SD	0.00	0.45	0.35
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	2	2
Week 4			
Ν	3	7	10
Missing	63	80	143
Mean	1.0	1.1	1.1
SD	0.00	0.38	0.32
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	2	2

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 369 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable	-		
Have you been seen by docto problems [no]	or at routine hospital or outpatien	nt department because o	of other health
Week 5			
Ν	1	4	5
Missing	65	82	147
Mean	1.0	1.3	1.2
SD		0.50	0.45
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	2	2
Week 6			
Ν	2	4	6
Missing	64	82	146
Mean	1.0	1.3	1.2
SD	0.00	0.50	0.41
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	2	2
Week 12			
Ν	4	4	8
Missing	52	76	128
Mean	1.3	1.0	1.1
SD	0.50	0.00	0.35
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	2	1	2
Week 18			
Ν	7	14	21
Missing	52	64	116
Mean	1.3	1.5	1.4
SD	0.76	0.94	0.87
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	3	4	4

- calculated values

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 370 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you been seen by docto problems [no]	r at routine hospital or outpation	ent department becaus	se of other health
Week 24			
Ν	3	14	17
Missing	55	70	125
Mean	2.0	1.1	1.2
SD	1.73	0.27	0.75
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	4	2	4

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 371 of 464 Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you been admitted to a	hospital as an inpatie	nt or day patie	nt				
Week 1							
Missing	1	(1.5%)	1	(1.1%)	2	(1.3%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	66	(98.5%)	86	(98.9%)	152	(98.7%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	0	(0.0%)	3	(3.4%)	3	(1.9%)	
Yes	0	(0.0%)	5	(5.7%)	5	(3.2%)	
No	67	(100.0%)	79	(90.8%)	146	(94.8%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	1	(1.5%)	1	(1.1%)	2	(1.3%)	
Yes	2	(3.0%)	1	(1.1%)	3	(2.0%)	
No	63	(95.5%)	85	(97.7%)	148	(96.7%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	1	(1.5%)	1	(1.2%)	2	(1.3%)	
Yes	1	(1.5%)	1	(1.2%)	2	(1.3%)	
No	64	(97.0%)	84	(97.7%)	148	(97.4%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	1	(1.5%)	1	(1.2%)	2	(1.3%)	
Yes	1	(1.5%)	1	(1.2%)	2	(1.3%)	
No	64	(97.0%)	84	(97.7%)	148	(97.4%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

- calculated values

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 372 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you been admitted to	a hospital as an inpatie	ent or day patie	nt				
Week 12							
Yes	5	(8.9%)	2	(2.5%)	7	(5.1%)	
No	51	(91.1%)	78	(97.5%)	129	(94.9%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Yes	1	(1.7%)	5	(6.4%)	6	(4.4%)	
No	58	(98.3%)	73	(93.6%)	131	(95.6%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Yes	1	(1.7%)	4	(4.8%)	5	(3.5%)	
No	57	(98.3%)	80	(95.2%)	137	(96.5%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 373 of 464 Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		ndard are	T	otal
	Ν	(%)	N	(%)	N	(%)
Have you been admitted to a	ı hospital as an inpatie	ent or day patie	nt becau	se of bowel pr	oblems	
Week 1						
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	67	(100.0%)	86	(98.9%)	153	(99.4%)
Yes	0	(0.0%)	1	(1.1%)	1	(0.6%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	66	(100.0%)	86	(98.9%)	152	(99.3%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	0	(0.0%)	1	(1.1%)	1	(0.7%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	66	(100.0%)	86	(100.0%)	152	(100.0%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	66	(100.0%)	86	(100.0%)	152	(100.0%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

- calculated values

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 374 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you been admitted to a	a hospital as an inpatie	nt or day patie	nt becau	se of bowel pr	oblems		
Week 12							
Missing	52	(92.9%)	79	(98.8%)	131	(96.3%)	
Yes	1	(1.8%)	0	(0.0%)	1	(0.7%)	
No	3	(5.4%)	1	(1.3%)	4	(2.9%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	58	(98.3%)	77	(98.7%)	135	(98.5%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	1	(1.7%)	1	(1.3%)	2	(1.5%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	57	(98.3%)	80	(95.2%)	137	(96.5%)	
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)	
No	1	(1.7%)	3	(3.6%)	4	(2.8%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 375 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Have you been admitted to a hospital as an inpatient or day patient because of bowel problems [no]								
Week 1								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 2								
Ν	0	1	1					
Missing	67	86	153					
Mean		1.0	1.0					
SD								
Minimum		1	1					
Median		1.0	1.0					
Maximum		1	1					
Week 3								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 4								
Ν	0	0	0					
Missing	66	87	153					
Mean								
SD								
Minimum								
Median								
Maximum								

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 376 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Maggaga	Standard Care	Total					
Variable	Massage	Standard Care	Totai					
Have you been admitted to a hospital as an inpatient or day patient because of bowel problems [no]								
Week 5								
N	0	0	0					
Missing	66	86	152					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 6								
Ν	0	0	0					
Missing	66	86	152					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 12								
Ν	1	0	1					
Missing	55	80	135					
Mean	1.0		1.0					
SD								
Minimum	1		1					
Median	1.0		1.0					
Maximum	1		1					
Week 18								
Ν	0	0	0					
Missing	59	78	137					
Mean								
SD								
Minimum								
Median								
Maximum								

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 377 of 464Table 9: Patient Resource Use - Health Services

	Abdominal		
	Massage	Standard Care	Total
Variable			
Have you been admitted to a	hospital as an inpatient or day	v patient because of bow	el problems [no]
Week 24			
Ν	() 1	1
Missing	58	8 83	141
Mean		1.0	1.0
SD			
Minimum		1	1
Median		1.0	1.0
Maximum		1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 378 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you been admitted to a	n hospital as an inpatie	nt or day patie	nt becau	se of other hea	alth prob	lems	
Week 1							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	67	(100.0%)	83	(95.4%)	150	(97.4%)	
Yes	0	(0.0%)	4	(4.6%)	4	(2.6%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	64	(97.0%)	86	(98.9%)	150	(98.0%)	
Yes	2	(3.0%)	1	(1.1%)	3	(2.0%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	65	(98.5%)	85	(98.8%)	150	(98.7%)	
Yes	1	(1.5%)	1	(1.2%)	2	(1.3%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	65	(98.5%)	85	(98.8%)	150	(98.7%)	
Yes	1	(1.5%)	1	(1.2%)	2	(1.3%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 379 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you been admitted to a	a hospital as an inpatie	nt or day patie	nt becau	se of other hea	alth prob	lems	
Week 12							
Missing	51	(91.1%)	78	(97.5%)	129	(94.9%)	
Yes	4	(7.1%)	2	(2.5%)	6	(4.4%)	
No	1	(1.8%)	0	(0.0%)	1	(0.7%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	58	(98.3%)	73	(93.6%)	131	(95.6%)	
Yes	1	(1.7%)	5	(6.4%)	6	(4.4%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	57	(98.3%)	80	(95.2%)	137	(96.5%)	
Yes	1	(1.7%)	3	(3.6%)	4	(2.8%)	
No	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 380 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you been admitted to a [no]	hospital as an inpatient or day j	patient because of other	health problems
Week 1			
Ν	0	0	0
Missing	67	87	154
Mean			
SD			
Minimum			
Median			
Maximum			
Week 2			
Ν	0	3	3
Missing	67	84	151
Mean		1.0	1.0
SD		0.00	0.00
Minimum		1	1
Median		1.0	1.0
Maximum		1	1
Week 3			
Ν	0	0	0
Missing	67	87	154
Mean			
SD			
Minimum			
Median			
Maximum			
Week 4			
Ν	1	1	2
Missing	65	86	151
Mean	1.0	1.0	1.0
SD			0.00
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	1	1

- calculated values

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 381 of 464Table 9: Patient Resource Use - Health Services

	Abdominal		T ()
T 7 • 11	Massage	Standard Care	Total
Variable			
Have you been admitted to a [no]	hospital as an inpatient or day p	patient because of other	health problems
Week 5			
Ν	0	0	0
Missing	66	86	152
Mean			
SD			
Minimum			
Median			
Maximum			
Week 6			
Ν	1	1	2
Missing	65	85	150
Mean	1.0	1.0	1.0
SD			0.00
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	1	1
Week 12			
Ν	3	1	4
Missing	53	79	132
Mean	1.3	1.0	1.3
SD	0.58		0.50
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	2	1	2
Week 18			
Ν	1	5	6
Missing	58	73	131
Mean	1.0	1.0	1.0
SD		0.00	0.00
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Confidential Page 382 of 464 Date 20JUN2017 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you been admitted to a [no]	hospital as an inpatient or day	patient because of oth	er health problems
Week 24			
Ν	1	2	3
Missing	57	82	139
Mean	1.0	1.0	1.0
SD		0.00	0.00
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 383 of 464Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you been to a hospital	casualty (A and E) dep	partment					
Week 1							
Missing	2	(3.0%)	1	(1.1%)	3	(1.9%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	65	(97.0%)	86	(98.9%)	151	(98.1%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	0	(0.0%)	2	(2.3%)	2	(1.3%)	
Yes	0	(0.0%)	1	(1.1%)	1	(0.6%)	
No	67	(100.0%)	84	(96.6%)	151	(98.1%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	0	(0.0%)	1	(1.1%)	1	(0.6%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	67	(100.0%)	86	(98.9%)	153	(99.4%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	1	(1.5%)	1	(1.1%)	2	(1.3%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	65	(98.5%)	86	(98.9%)	151	(98.7%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	1	(1.5%)	2	(2.3%)	3	(2.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	65	(98.5%)	84	(97.7%)	149	(98.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	1	(1.5%)	1	(1.2%)	2	(1.3%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	65	(98.5%)	85	(98.8%)	150	(98.7%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 384 of 464 Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you been to a hospital	casualty (A and E) dep	partment					
Week 12							
Missing	1	(1.8%)	0	(0.0%)	1	(0.7%)	
Yes	1	(1.8%)	0	(0.0%)	1	(0.7%)	
No	54	(96.4%)	80	(100.0%)	134	(98.5%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	1	(1.7%)	3	(3.8%)	4	(2.9%)	
No	58	(98.3%)	75	(96.2%)	133	(97.1%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	0	(0.0%)	2	(2.4%)	2	(1.4%)	
No	58	(100.0%)	82	(97.6%)	140	(98.6%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 385 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you been to a hospital	casualty (A and E) dep	oartment becau	ise of bo	wel problems			
Week 1							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 386 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you been to a hospital	casualty (A and E) dep	partment becau	ise of bo	wel problems			
Week 12							
Missing	55	(98.2%)	80	(100.0%)	135	(99.3%)	
Yes	1	(1.8%)	0	(0.0%)	1	(0.7%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	58	(98.3%)	76	(97.4%)	134	(97.8%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	1	(1.7%)	2	(2.6%)	3	(2.2%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	58	(100.0%)	83	(98.8%)	141	(99.3%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 387 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total						
Variable									
Have you been to a hospital casualty (A and E) department because of bowel problems [no]									
Week 1									
Ν	0	0	0						
Missing	67	87	154						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 2									
Ν	0	0	0						
Missing	67	87	154						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 3									
Ν	0	0	0						
Missing	67	87	154						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 4									
Ν	0	0	0						
Missing	66	87	153						
Mean									
SD									
Minimum									
Median									
Maximum									

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 388 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total						
Variable	Massage	Stanuaru Care	Total						
Have you been to a hospital casualty (A and E) department because of bowel problems [no]									
Week 5									
Ν	0	0	0						
Missing	66	86	152						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 6									
Ν	0	0	0						
Missing	66	86	152						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 12									
Ν	1	0	1						
Missing	55	80	135						
Mean	1.0		1.0						
SD									
Minimum	1		1						
Median	1.0		1.0						
Maximum	1		1						
Week 18									
Ν	0	0	0						
Missing	59	78	137						
Mean									
SD									
Minimum									
Median									
Maximum									

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 389 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you been to a hospital of	casualty (A and E) department	because of bowel proble	ms [no]
Week 24			
Ν	C	0	0
Missing	58	84	142
Mean			
SD			
Minimum			
Median			
Maximum			

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 390 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you been to a hospital	casualty (A and E) dep	partment becau	ise of oth	ner health prol	olems		
Week 1							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	67	(100.0%)	86	(98.9%)	153	(99.4%)	
Yes	0	(0.0%)	1	(1.1%)	1	(0.6%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 391 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you been to a hospital	casualty (A and E) dep	partment becau	ise of oth	ner health prol	olems		
Week 12							
Missing	55	(98.2%)	80	(100.0%)	135	(99.3%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	1	(1.8%)	0	(0.0%)	1	(0.7%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	58	(98.3%)	75	(96.2%)	133	(97.1%)	
Yes	1	(1.7%)	3	(3.8%)	4	(2.9%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	58	(100.0%)	82	(97.6%)	140	(98.6%)	
Yes	0	(0.0%)	2	(2.4%)	2	(1.4%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 392 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Have you been to a hospital casualty (A and E) department because of other health problems [no]								
Week 1								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 2								
Ν	0	1	1					
Missing	67	86	153					
Mean		1.0	1.0					
SD								
Minimum		1	1					
Median		1.0	1.0					
Maximum		1	1					
Week 3								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 4								
Ν	0	0	0					
Missing	66	87	153					
Mean								
SD								
Minimum								
Median								
Maximum								

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 393 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total						
Variable	Massage	Standard Care	Total						
Have you been to a hospital casualty (A and E) department because of other health problems [no]									
Week 5									
N	0	0	(
Missing	66	86	152						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 6									
Ν	0	0	(
Missing	66	86	152						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 12									
Ν	0	0	(
Missing	56	80	130						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 18									
Ν	1	2							
Missing	58	76	134						
Mean	1.0	1.0	1.0						
SD		0.00	0.00						
Minimum	1	1	-						
Median	1.0	1.0	1.0						
Maximum	1	1	-						

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 394 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal		T 4 1
Variable	Massage	Standard Care	Total
Have you been to a hospital o	casualty (A and E) department	because of other health	problems [no]
Week 24			
Ν	C	2	2
Missing	58	82	140
Mean		1.0	1.0
SD		0.00	0.00
Minimum		1	1
Median		1.0	1.0
Maximum		1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 395 of 464Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		ndard are	T	otal
	Ν	(%)	N	(%)	N	(%)
Have you seen any other alli	ed health professional	S				
Week 1						
Missing	1	(1.5%)	1	(1.1%)	2	(1.3%)
Yes	11	(16.4%)	10	(11.5%)	21	(13.6%)
No	55	(82.1%)	76	(87.4%)	131	(85.1%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	0	(0.0%)	3	(3.4%)	3	(1.9%)
Yes	8	(11.9%)	8	(9.2%)	16	(10.4%)
No	59	(88.1%)	76	(87.4%)	135	(87.7%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	3	(4.5%)	0	(0.0%)	3	(1.9%)
Yes	7	(10.4%)	8	(9.2%)	15	(9.7%)
No	57	(85.1%)	79	(90.8%)	136	(88.3%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	1	(1.5%)	2	(2.3%)	3	(2.0%)
Yes	9	(13.6%)	10	(11.5%)	19	(12.4%)
No	56	(84.8%)	75	(86.2%)	131	(85.6%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	1	(1.5%)	1	(1.2%)	2	(1.3%)
Yes	7	(10.6%)	8	(9.3%)	15	(9.9%)
No	58	(87.9%)	77	(89.5%)	135	(88.8%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	2	(3.0%)	3	(3.5%)	5	(3.3%)
Yes	10	(15.2%)	5	(5.8%)	15	(9.9%)
No	54	(81.8%)	78	(90.7%)	132	(86.8%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 396 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you seen any other alli	ed health professional	S					
Week 12							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	12	(21.4%)	16	(20.0%)	28	(20.6%)	
No	44	(78.6%)	64	(80.0%)	108	(79.4%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	0	(0.0%)	1	(1.3%)	1	(0.7%)	
Yes	12	(20.3%)	19	(24.4%)	31	(22.6%)	
No	47	(79.7%)	58	(74.4%)	105	(76.6%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	11	(19.0%)	16	(19.0%)	27	(19.0%)	
No	47	(81.0%)	68	(81.0%)	115	(81.0%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	
AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 397 of 464 Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		ndard are	Total	
	Ν	(%)	N	(%)	N	(%)
ave you seen any other allied	l health professionals	because of bow	el proble	ems		
Week 1						
Missing	65	(97.0%)	86	(98.9%)	151	(98.1%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	2	(3.0%)	1	(1.1%)	3	(1.9%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	63	(94.0%)	86	(98.9%)	149	(96.8%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	4	(6.0%)	1	(1.1%)	5	(3.2%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	65	(97.0%)	84	(96.6%)	149	(96.8%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	2	(3.0%)	3	(3.4%)	5	(3.2%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	63	(95.5%)	84	(96.6%)	147	(96.1%)
Yes	1	(1.5%)	0	(0.0%)	1	(0.7%)
No	2	(3.0%)	3	(3.4%)	5	(3.3%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	63	(95.5%)	83	(96.5%)	146	(96.1%)
Yes	1	(1.5%)	1	(1.2%)	2	(1.3%)
No	2	(3.0%)	2	(2.3%)	4	(2.6%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	63	(95.5%)	85	(98.8%)	148	(97.4%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	3	(4.5%)	1	(1.2%)	4	(2.6%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 398 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
ave you seen any other allied	d health professionals	because of bow	el proble	ems			
Week 12							
Missing	46	(82.1%)	67	(83.8%)	113	(83.1%)	
Yes	3	(5.4%)	5	(6.3%)	8	(5.9%)	
No	7	(12.5%)	8	(10.0%)	15	(11.0%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	51	(86.4%)	65	(83.3%)	116	(84.7%)	
Yes	2	(3.4%)	1	(1.3%)	3	(2.2%)	
No	6	(10.2%)	12	(15.4%)	18	(13.1%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	49	(84.5%)	73	(86.9%)	122	(85.9%)	
Yes	2	(3.4%)	3	(3.6%)	5	(3.5%)	
No	7	(12.1%)	8	(9.5%)	15	(10.6%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 399 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total						
Variable	Massage	Stanuaru Care	Totai						
Have you seen any other allied health professionals because of bowel problems [no]									
veek 1	·								
N	0	0	0						
Missing	67	87	154						
Mean	07	07	15						
SD									
Minimum									
Median									
Maximum									
Week 2									
Ν	0	0	C						
Missing	67	87	154						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 3									
Ν	0	0	0						
Missing	67	87	154						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 4									
Ν	1	0	1						
Missing	65	87	152						
Mean	1.0		1.0						
SD									
Minimum	1		1						
Median	1.0		1.0						
Maximum	1		1						

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 400 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total						
Variable	mussuge		I Utur						
Have you seen any other allied health professionals because of bowel problems [no]									
Week 5									
Ν	1	0	1						
Missing	65	86	151						
Mean	1.0		1.0						
SD									
Minimum	1		1						
Median	1.0		1.0						
Maximum	1		1						
Week 6									
Ν	0	0	0						
Missing	66	86	152						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 12									
Ν	3	4	7						
Missing	53	76	129						
Mean	1.0	1.3	1.1						
SD	0.00	0.50	0.38						
Minimum	1	1	1						
Median	1.0	1.0	1.0						
Maximum	1	2	2						
Week 18									
Ν	2	1	3						
Missing	57	77	134						
Mean	1.0	1.0	1.0						
SD	0.00		0.00						
Minimum	1	1	1						
Median	1.0	1.0	1.0						
Maximum	1	1	1						

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 401 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal		
	Massage	Standard Care	Total
Variable			
Have you seen any other allie	ed health professionals because	of bowel problems [no]	
Week 24			
Ν	2	3	5
Missing	56	81	137
Mean	1.5	2.7	2.2
SD	0.71	2.89	2.17
Minimum	1	1	1
Median	1.5	1.0	1.0
Maximum	2	6	6

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 402 of 464 Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		ndard are	Total	
	Ν	(%)	N	(%)	N	(%)
Have you seen any other allie	d health professional	s because of otl	her healt	h problems		
Week 1						
Missing	57	(85.1%)	77	(88.5%)	134	(87.0%)
Yes	10	(14.9%)	10	(11.5%)	20	(13.0%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	59	(88.1%)	79	(90.8%)	138	(89.6%)
Yes	8	(11.9%)	8	(9.2%)	16	(10.4%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	60	(89.6%)	79	(90.8%)	139	(90.3%)
Yes	7	(10.4%)	8	(9.2%)	15	(9.7%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	57	(86.4%)	77	(88.5%)	134	(87.6%)
Yes	9	(13.6%)	10	(11.5%)	19	(12.4%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	59	(89.4%)	79	(91.9%)	138	(90.8%)
Yes	6	(9.1%)	7	(8.1%)	13	(8.6%)
No	1	(1.5%)	0	(0.0%)	1	(0.7%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	56	(84.8%)	81	(94.2%)	137	(90.1%)
Yes	10	(15.2%)	5	(5.8%)	15	(9.9%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 403 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you seen any other all	ed health professional	s because of otl	ner healt	h problems			
Week 12							
Missing	45	(80.4%)	64	(80.0%)	109	(80.1%)	
Yes	9	(16.1%)	12	(15.0%)	21	(15.4%)	
No	2	(3.6%)	4	(5.0%)	6	(4.4%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	48	(81.4%)	60	(76.9%)	108	(78.8%)	
Yes	10	(16.9%)	18	(23.1%)	28	(20.4%)	
No	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	47	(81.0%)	71	(84.5%)	118	(83.1%)	
Yes	10	(17.2%)	13	(15.5%)	23	(16.2%)	
No	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 404 of 464Table 9: Patient Resource Use - Health Services

	Abdominal								
T 7 1 1 1	Massage	Standard Care	Total						
Variable									
Have you seen any other allied health professionals because of other health problems [no]									
Week 1									
Ν	8	8	16						
Missing	59	79	138						
Mean	1.0	1.1	1.1						
SD	0.00	0.35	0.25						
Minimum	1	1	1						
Median	1.0	1.0	1.0						
Maximum	1	2	2						
Week 2									
Ν	8	8	16						
Missing	59	79	138						
Mean	1.3	1.9	1.6						
SD	0.46	1.73	1.26						
Minimum	1	1	1						
Median	1.0	1.0	1.0						
Maximum	2	6	6						
Week 3									
Ν	7	6	13						
Missing	60	81	141						
Mean	1.1	1.0	1.1						
SD	0.38	0.00	0.28						
Minimum	1	1	1						
Median	1.0	1.0	1.0						
Maximum	2	1	2						
Week 4									
Ν	8	10	18						
Missing	58	77	135						
Mean	1.0	1.1	1.1						
SD	0.00	0.32	0.24						
Minimum	1	1	1						
Median	1.0	1.0	1.0						
Maximum	1	2	2						

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 405 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total						
Variable									
Have you seen any other allied health professionals because of other health problems [no]									
Week 5									
Ν	6	7	13						
Missing	60	79	139						
Mean	1.0	1.0	1.0						
SD	0.00	0.00	0.00						
Minimum	1	1	1						
Median	1.0	1.0	1.0						
Maximum	1	1	1						
Week 6									
Ν	8	5	13						
Missing	58	81	139						
Mean	1.1	1.0	1.1						
SD	0.35	0.00	0.28						
Minimum	1	1	1						
Median	1.0	1.0	1.0						
Maximum	2	1	2						
Week 12									
Ν	6	12	18						
Missing	50	68	118						
Mean	1.3	0.9	1.1						
SD	0.52	0.29	0.42						
Minimum	1	0	0						
Median	1.0	1.0	1.0						
Maximum	2	1	2						
Week 18									
Ν	7	15	22						
Missing	52	63	115						
Mean	1.4	2.0	1.8						
SD	0.79	2.39	2.02						
Minimum	1	1	1						
Median	1.0	1.0	1.0						
Maximum	3	10	10						

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 406 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you seen any other allie	d health professionals because	of other health problem	ns [no]
Week 24			
Ν	7	11	18
Missing	51	73	124
Mean	1.3	2.9	2.3
SD	0.49	3.53	2.85
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	2	10	10

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 407 of 464 Table 9: Patient Resource Use - Health Services

		ominal ssage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)	
Have you attended the continence service							
Week 1							
Missing	1	(1.5%)	1	(1.1%)	2	(1.3%)	
Yes	0	(0.0%)	2	(2.3%)	2	(1.3%)	
No	66	(98.5%)	84	(96.6%)	150	(97.4%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	0	(0.0%)	2	(2.3%)	2	(1.3%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	67	(100.0%)	85	(97.7%)	152	(98.7%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	1	(1.5%)	0	(0.0%)	1	(0.6%)	
No	66	(98.5%)	87	(100.0%)	153	(99.4%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	2	(3.0%)	1	(1.1%)	3	(2.0%)	
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)	
No	63	(95.5%)	85	(97.7%)	148	(96.7%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)	
No	66	(100.0%)	84	(97.7%)	150	(98.7%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	1	(1.5%)	1	(1.2%)	2	(1.3%)	
Yes	2	(3.0%)	1	(1.2%)	3	(2.0%)	
No	63	(95.5%)	84	(97.7%)	147	(96.7%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 408 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage		Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Have you attended the continence service						
Week 12						
Missing	1	(1.8%)	0	(0.0%)	1	(0.7%)
Yes	2	(3.6%)	6	(7.5%)	8	(5.9%)
No	53	(94.6%)	74	(92.5%)	127	(93.4%)
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)
Week 18						
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)
Yes	2	(3.4%)	5	(6.4%)	7	(5.1%)
No	57	(96.6%)	73	(93.6%)	130	(94.9%)
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)
Week 24						
Missing	0	(0.0%)	1	(1.2%)	1	(0.7%)
Yes	3	(5.2%)	3	(3.6%)	6	(4.2%)
No	55	(94.8%)	80	(95.2%)	135	(95.1%)
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 409 of 464Table 9: Patient Resource Use - Health Services

Variable		ominal ssage	Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)
Have you attended the contin	nence service because	of bowel probl	ems			
Week 1						
Missing	67	(100.0%)	86	(98.9%)	153	(99.4%)
Yes	0	(0.0%)	1	(1.1%)	1	(0.6%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	66	(98.5%)	87	(100.0%)	153	(99.4%)
Yes	1	(1.5%)	0	(0.0%)	1	(0.6%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	65	(98.5%)	86	(98.9%)	151	(98.7%)
Yes	1	(1.5%)	0	(0.0%)	1	(0.7%)
No	0	(0.0%)	1	(1.1%)	1	(0.7%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	66	(100.0%)	85	(98.8%)	151	(99.3%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	0	(0.0%)	1	(1.2%)	1	(0.7%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	64	(97.0%)	85	(98.8%)	149	(98.0%)
Yes	1	(1.5%)	1	(1.2%)	2	(1.3%)
No	1	(1.5%)	0	(0.0%)	1	(0.7%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 410 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you attended the conti	nence service because	of bowel probl	ems				
Week 12							
Missing	54	(96.4%)	75	(93.8%)	129	(94.9%)	
Yes	1	(1.8%)	5	(6.3%)	6	(4.4%)	
No	1	(1.8%)	0	(0.0%)	1	(0.7%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	58	(98.3%)	74	(94.9%)	132	(96.4%)	
Yes	1	(1.7%)	1	(1.3%)	2	(1.5%)	
No	0	(0.0%)	3	(3.8%)	3	(2.2%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	55	(94.8%)	83	(98.8%)	138	(97.2%)	
Yes	1	(1.7%)	0	(0.0%)	1	(0.7%)	
No	2	(3.4%)	1	(1.2%)	3	(2.1%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 411 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable	mussuge		Totur					
Have you attended the continence service because of bowel problems [no]								
Week 1								
Ν	0	1	1					
Missing	67	86	153					
Mean		1.0	1.0					
SD								
Minimum		1	1					
Median		1.0	1.0					
Maximum		1	1					
Week 2								
Ν	0	0	0					
Missing	67	87	154					
Mean								
SD								
Minimum								
Median								
Maximum								
Week 3								
Ν	1	0	1					
Missing	66	87	153					
Mean	1.0		1.0					
SD								
Minimum	1		1					
Median	1.0		1.0					
Maximum	1		1					
Week 4								
Ν	1	0	1					
Missing	65	87	152					
Mean	1.0		1.0					
SD								
Minimum	1		1					
Median	1.0		1.0					
Maximum	1		1					

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 412 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total						
Variable									
Have you attended the continence service because of bowel problems [no]									
Week 5									
Ν	0	0	0						
Missing	66	86	152						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 6									
Ν	1	0	1						
Missing	65	86	151						
Mean	1.0		1.0						
SD									
Minimum	1		1						
Median	1.0		1.0						
Maximum	1		1						
Week 12									
Ν	1	4	5						
Missing	55	76	131						
Mean	1.0	1.0	1.0						
SD		0.00	0.00						
Minimum	1	1	1						
Median	1.0	1.0	1.0						
Maximum	1	1	1						
Week 18									
Ν	1	1	2						
Missing	58	77	135						
Mean	1.0	1.0	1.0						
SD			0.00						
Minimum	1	1	1						
Median	1.0	1.0	1.0						
Maximum	1	1	1						

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 413 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you attended the contin	ence service because of bowel	problems [no]	
Week 24			
Ν	1	0	1
Missing	57	84	141
Mean	1.0)	1.0
SD			
Minimum	1		1
Median	1.0)	1.0
Maximum	1		1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 414 of 464Table 9: Patient Resource Use - Health Services

Variable		Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Have you attended the conti	nence service because	of other health	problen	15			
Week 1							
Missing	67	(100.0%)	86	(98.9%)	153	(99.4%)	
Yes	0	(0.0%)	1	(1.1%)	1	(0.6%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	65	(98.5%)	86	(98.9%)	151	(98.7%)	
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	66	(100.0%)	85	(98.8%)	151	(99.3%)	
Yes	0	(0.0%)	1	(1.2%)	1	(0.7%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	65	(98.5%)	86	(100.0%)	151	(99.3%)	
Yes	1	(1.5%)	0	(0.0%)	1	(0.7%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 415 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you attended the conti	nence service because	of other health	problen	ns			
Week 12							
Missing	55	(98.2%)	74	(92.5%)	129	(94.9%)	
Yes	1	(1.8%)	1	(1.3%)	2	(1.5%)	
No	0	(0.0%)	5	(6.3%)	5	(3.7%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	58	(98.3%)	73	(93.6%)	131	(95.6%)	
Yes	1	(1.7%)	4	(5.1%)	5	(3.6%)	
No	0	(0.0%)	1	(1.3%)	1	(0.7%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	55	(94.8%)	81	(96.4%)	136	(95.8%)	
Yes	2	(3.4%)	3	(3.6%)	5	(3.5%)	
No	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 416 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total						
Variable									
Have you attended the continence service because of other health problems [no]									
Week 1									
Ν	0	1	1						
Missing	67	86	153						
Mean		1.0	1.0						
SD									
Minimum		1	1						
Median		1.0	1.0						
Maximum		1	1						
Week 2									
Ν	0	0	0						
Missing	67	87	154						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 3									
Ν	0	0	0						
Missing	67	87	154						
Mean									
SD									
Minimum									
Median									
Maximum									
Week 4									
Ν	1	1	2						
Missing	65	86	151						
Mean	1.0	1.0	1.0						
SD			0.00						
Minimum	1	1	1						
Median	1.0	1.0	1.0						
Maximum	1	1	1						

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 417 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total					
Variable								
Have you attended the continence service because of other health problems [no]								
Week 5								
Ν	0	1	1					
Missing	66	85	151					
Mean		1.0	1.0					
SD								
Minimum		1	1					
Median		1.0	1.0					
Maximum		1	1					
Week 6								
Ν	1	0	1					
Missing	65	86	151					
Mean	1.0		1.0					
SD								
Minimum	1		1					
Median	1.0		1.0					
Maximum	1		1					
Week 12								
Ν	1	1	2					
Missing	55	79	134					
Mean	1.0	1.0	1.0					
SD			0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					
Week 18								
Ν	1	4	5					
Missing	58	74	132					
Mean	1.0	1.0	1.0					
SD		0.00	0.00					
Minimum	1	1	1					
Median	1.0	1.0	1.0					
Maximum	1	1	1					

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 418 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Have you attended the contin	nence service because of other h	nealth problems [no]	
Week 24			
Ν	1	2	3
Missing	57	82	139
Mean	1.0	1.0	1.0
SD		0.00	0.00
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 419 of 464 Table 9: Patient Resource Use - Health Services

Variable		ominal ssage		ndard are	Total	
	Ν	(%)	N	(%)	N	(%)
Have you bought any medica	tions for bowel prob	em from pharn	nacy or	other shop		
Week 1						
Missing	1	(1.5%)	2	(2.3%)	3	(1.9%)
Yes	6	(9.0%)	5	(5.7%)	11	(7.1%)
No	60	(89.6%)	80	(92.0%)	140	(90.9%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	1	(1.5%)	3	(3.4%)	4	(2.6%)
Yes	4	(6.0%)	4	(4.6%)	8	(5.2%)
No	62	(92.5%)	80	(92.0%)	142	(92.2%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	1	(1.5%)	4	(4.6%)	5	(3.2%)
Yes	3	(4.5%)	6	(6.9%)	9	(5.8%)
No	63	(94.0%)	77	(88.5%)	140	(90.9%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	2	(3.0%)	3	(3.4%)	5	(3.3%)
Yes	3	(4.5%)	5	(5.7%)	8	(5.2%)
No	61	(92.4%)	79	(90.8%)	140	(91.5%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	1	(1.5%)	5	(5.8%)	6	(3.9%)
Yes	1	(1.5%)	3	(3.5%)	4	(2.6%)
No	64	(97.0%)	78	(90.7%)	142	(93.4%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	3	(4.5%)	2	(2.3%)	5	(3.3%)
Yes	2	(3.0%)	5	(5.8%)	7	(4.6%)
No	61	(92.4%)	79	(91.9%)	140	(92.1%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 420 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you bought any medic	cations for bowel prob	em from phari	nacy or	other shop			
Week 12							
Missing	2	(3.6%)	0	(0.0%)	2	(1.5%)	
Yes	10	(17.9%)	14	(17.5%)	24	(17.6%)	
No	44	(78.6%)	66	(82.5%)	110	(80.9%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Yes	6	(10.2%)	15	(19.2%)	21	(15.3%)	
No	53	(89.8%)	63	(80.8%)	116	(84.7%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	2	(3.4%)	0	(0.0%)	2	(1.4%)	
Yes	8	(13.8%)	12	(14.3%)	20	(14.1%)	
No	48	(82.8%)	72	(85.7%)	120	(84.5%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 421 of 464 Table 9: Patient Resource Use - Health Services

		ominal ssage		ndard are	Total	
Variable	Ν	(%)	N	(%)	Ν	(%)
Have you been prescribed an	y medications for boy	vel problem by	GP or h	ospital doctor		
Week 1						
Missing	1	(1.5%)	1	(1.1%)	2	(1.3%)
Yes	1	(1.5%)	5	(5.7%)	6	(3.9%)
No	65	(97.0%)	81	(93.1%)	146	(94.8%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	0	(0.0%)	4	(4.6%)	4	(2.6%)
Yes	3	(4.5%)	3	(3.4%)	6	(3.9%)
No	64	(95.5%)	80	(92.0%)	144	(93.5%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	0	(0.0%)	5	(5.7%)	5	(3.2%)
Yes	2	(3.0%)	3	(3.4%)	5	(3.2%)
No	65	(97.0%)	79	(90.8%)	144	(93.5%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	2	(3.0%)	4	(4.6%)	6	(3.9%)
Yes	5	(7.6%)	5	(5.7%)	10	(6.5%)
No	59	(89.4%)	78	(89.7%)	137	(89.5%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	1	(1.5%)	6	(7.0%)	7	(4.6%)
Yes	4	(6.1%)	4	(4.7%)	8	(5.3%)
No	61	(92.4%)	76	(88.4%)	137	(90.1%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	2	(3.0%)	4	(4.7%)	6	(3.9%)
Yes	4	(6.1%)	7	(8.1%)	11	(7.2%)
No	60	(90.9%)	75	(87.2%)	135	(88.8%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 422 of 464Table 9: Patient Resource Use - Health Services

		ominal ssage		ndard are	T	otal
Variable	Ν	(%)	N	(%)	N	(%)
Have you been prescribed a	ny medications for boy	vel problem by	GP or h	ospital doctor		
Week 12						
Missing	1	(1.8%)	0	(0.0%)	1	(0.7%)
Yes	6	(10.7%)	11	(13.8%)	17	(12.5%)
No	49	(87.5%)	69	(86.3%)	118	(86.8%)
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)
Week 18						
Missing	0	(0.0%)	1	(1.3%)	1	(0.7%)
Yes	8	(13.6%)	15	(19.2%)	23	(16.8%)
No	51	(86.4%)	62	(79.5%)	113	(82.5%)
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)
Week 24						
Missing	1	(1.7%)	0	(0.0%)	1	(0.7%)
Yes	8	(13.8%)	18	(21.4%)	26	(18.3%)
No	49	(84.5%)	66	(78.6%)	115	(81.0%)
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 423 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you bought any equipr	nent or clothing for bo	owel problem					
Week 1							
Missing	1	(1.5%)	2	(2.3%)	3	(1.9%)	
Yes	4	(6.0%)	6	(6.9%)	10	(6.5%)	
No	62	(92.5%)	79	(90.8%)	141	(91.6%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 2							
Missing	0	(0.0%)	4	(4.6%)	4	(2.6%)	
Yes	6	(9.0%)	8	(9.2%)	14	(9.1%)	
No	61	(91.0%)	75	(86.2%)	136	(88.3%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 3							
Missing	0	(0.0%)	3	(3.4%)	3	(1.9%)	
Yes	6	(9.0%)	3	(3.4%)	9	(5.8%)	
No	61	(91.0%)	81	(93.1%)	142	(92.2%)	
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)	
Week 4							
Missing	2	(3.0%)	3	(3.4%)	5	(3.3%)	
Yes	3	(4.5%)	9	(10.3%)	12	(7.8%)	
No	61	(92.4%)	75	(86.2%)	136	(88.9%)	
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)	
Week 5							
Missing	1	(1.5%)	5	(5.8%)	6	(3.9%)	
Yes	5	(7.6%)	4	(4.7%)	9	(5.9%)	
No	60	(90.9%)	77	(89.5%)	137	(90.1%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	
Week 6							
Missing	1	(1.5%)	2	(2.3%)	3	(2.0%)	
Yes	5	(7.6%)	4	(4.7%)	9	(5.9%)	
No	60	(90.9%)	80	(93.0%)	140	(92.1%)	
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 424 of 464Table 9: Patient Resource Use - Health Services

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Have you bought any equip	nent or clothing for bo	owel problem					
Week 12							
Missing	1	(1.8%)	0	(0.0%)	1	(0.7%)	
Yes	2	(3.6%)	7	(8.8%)	9	(6.6%)	
No	53	(94.6%)	73	(91.3%)	126	(92.6%)	
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)	
Week 18							
Missing	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Yes	3	(5.1%)	10	(12.8%)	13	(9.5%)	
No	55	(93.2%)	68	(87.2%)	123	(89.8%)	
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)	
Week 24							
Missing	1	(1.7%)	0	(0.0%)	1	(0.7%)	
Yes	5	(8.6%)	13	(15.5%)	18	(12.7%)	
No	52	(89.7%)	71	(84.5%)	123	(86.6%)	
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 425 of 464Table 9: Patient Resource Use - Health Services

		ominal ssage		ndard are	Т	otal
Variable	Ν	(%)	N	(%)	N	(%)
Have you been provided wit	h any specialist equipr	nent by health	or social	services		
Week 1						
Missing	1	(1.5%)	1	(1.1%)	2	(1.3%)
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)
No	65	(97.0%)	85	(97.7%)	150	(97.4%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 2						
Missing	0	(0.0%)	3	(3.4%)	3	(1.9%)
Yes	2	(3.0%)	2	(2.3%)	4	(2.6%)
No	65	(97.0%)	82	(94.3%)	147	(95.5%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 3						
Missing	0	(0.0%)	4	(4.6%)	4	(2.6%)
Yes	1	(1.5%)	0	(0.0%)	1	(0.6%)
No	66	(98.5%)	83	(95.4%)	149	(96.8%)
Total	67	(100.0%)	87	(100.0%)	154	(100.0%)
Week 4						
Missing	3	(4.5%)	4	(4.6%)	7	(4.6%)
Yes	1	(1.5%)	1	(1.1%)	2	(1.3%)
No	62	(93.9%)	82	(94.3%)	144	(94.1%)
Total	66	(100.0%)	87	(100.0%)	153	(100.0%)
Week 5						
Missing	2	(3.0%)	8	(9.3%)	10	(6.6%)
Yes	1	(1.5%)	1	(1.2%)	2	(1.3%)
No	63	(95.5%)	77	(89.5%)	140	(92.1%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)
Week 6						
Missing	1	(1.5%)	4	(4.7%)	5	(3.3%)
Yes	1	(1.5%)	0	(0.0%)	1	(0.7%)
No	64	(97.0%)	82	(95.3%)	146	(96.1%)
Total	66	(100.0%)	86	(100.0%)	152	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 426 of 464Table 9: Patient Resource Use - Health Services

		ominal ssage		ndard are	T	otal
Variable	Ν	(%)	N	(%)	N	(%)
Have you been provided wit	h any specialist equipr	nent by health	or social	services		
Week 12						
Missing	1	(1.8%)	0	(0.0%)	1	(0.7%)
Yes	1	(1.8%)	2	(2.5%)	3	(2.2%)
No	54	(96.4%)	78	(97.5%)	132	(97.1%)
Total	56	(100.0%)	80	(100.0%)	136	(100.0%)
Week 18						
Missing	1	(1.7%)	0	(0.0%)	1	(0.7%)
Yes	4	(6.8%)	1	(1.3%)	5	(3.6%)
No	54	(91.5%)	77	(98.7%)	131	(95.6%)
Total	59	(100.0%)	78	(100.0%)	137	(100.0%)
Week 24						
Missing	1	(1.7%)	0	(0.0%)	1	(0.7%)
Yes	1	(1.7%)	0	(0.0%)	1	(0.7%)
No	56	(96.6%)	84	(100.0%)	140	(98.6%)
Total	58	(100.0%)	84	(100.0%)	142	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 427 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal		
x 7 • • •	Massage	Standard Care	Total
Variable			
Number of medications prescribed			
Week 1			
Ν	1	5	6
Missing	0	0	0
Mean	1.0	1.4	1.3
SD		0.55	0.52
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	2	2
Week 2			
Ν	3	3	6
Missing	0	0	0
Mean	1.0	1.7	1.3
SD	0.00	0.58	0.52
Minimum	1	1	1
Median	1.0	2.0	1.0
Maximum	1	2	2
Week 3			
Ν	2	3	5
Missing	0	0	0
Mean	1.0	1.3	1.2
SD	0.00	0.58	0.45
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	2	2
Week 4			
Ν	5	5	10
Missing	0	0	0
Mean	1.0	1.6	1.3
SD	0.00	0.55	0.48
Minimum	1	1	1
Median	1.0	2.0	1.0
Maximum	1	2	2
Week 5			
Ν	4	5	9
Missing	0	0	0
Mean	1.0	1.4	1.2
SD	0.00	0.55	0.44
Minimum	1	1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 428 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable	Massage	Standard Care	Total
Median	1.0	1.0	1 (
Maximum	1.0	1.0 2	1.0
Maximum	1	2	-
Week 6			
Ν	4	8	12
Missing	0	0	(
Mean	1.3	1.3	1.3
SD	0.50	0.46	0.45
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	2	2	2
Week 12			
Ν	6	11	17
Missing	0	0	(
Mean	1.0	1.2	1.1
SD	0.00	0.40	0.33
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	2	2
Week 18			
Ν	8	16	24
Missing	0	0	(
Mean	1.0	1.3	1.2
SD	0.00	0.58	0.48
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	3	
Week 24			
Ν	8	18	26
Missing	0	0	(
Mean	1.0	1.6	1.4
SD	0.00	1.25	1.06
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	6	(
	Abdominal		
	Massage	Standard Care	Total

Variable

No of medications bought

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 429 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total	
Variable				
Week 1				
Ν	6	5	11	
Missing	0	0	0	
Mean	1.0	1.2	1.1	
SD	0.00	0.45	0.30	
Minimum	1	1	1	
Median	1.0	1.0	1.0	
Maximum	1	2	2	
Week 2				
Ν	4	4	8	
Missing	0	0	0	
Mean	1.0	1.3	1.1	
SD	0.00	0.50	0.35	
Minimum	1	1	1	
Median	1.0	1.0	1.0	
Maximum	1	2	2	
Week 3				
Ν	3	6	9	
Missing	0	0	0	
Mean	1.0	1.0	1.0	
SD	0.00	0.00	0.00	
Minimum	1	1	1	
Median	1.0	1.0	1.0	
Maximum	1	1	1	
Week 4				
Ν	3	5	8	
Missing	0	0	0	
Mean	1.0	1.0	1.0	
SD	0.00	0.00	0.00	
Minimum	1	1	1	
Median	1.0	1.0	1.0	
Maximum	1	1	1	
Week 5				
Ν	1	3	4	
Missing	0	0	0	
Mean	1.0	1.7	1.5	
SD		1.15	1.00	
Minimum	1	1	1	
Median	1.0	1.0	1.0	
Maximum	1	3	3	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis					
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Table 9: Patient Resource Use	- Health Services				

	Abdominal Massage	Standard Care	Total
Variable			
Week 6			
Ν	3	5	8
Missing	0	0	0
Mean	1.0	1.2	1.1
SD	0.00	0.45	0.35
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	2	2
Week 12			
Ν	10	14	24
Missing	0	0	0
Mean	1.0	1.4	1.2
SD	0.00	0.63	0.51
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	1	3	3
Week 18			
Ν	6	15	21
Missing	0	0	0
Mean	1.2	1.2	1.2
SD	0.41	0.41	0.40
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	2	2	2
Week 24			
Ν	8	12	20
Missing	0	0	0
Mean	1.1	1.1	1.1
SD	0.35	0.29	0.31
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	2	2	2

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 431 of 464 Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total
Variable			
Number of equipments bought			
Week 1			
Ν	4	6	10
Missing	0	0	0
Mean	1.3	1.8	1.6
SD	0.50	1.33	1.07
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	2	4	4
Week 2			
Ν	6	8	14
Missing	0	0	0
Mean	1.3	1.3	1.3
SD	0.52	0.71	0.61
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	2	3	3
Week 3			
Ν	6	3	9
Missing	0	0	0
Mean	1.3	1.3	1.3
SD	0.52	0.58	0.50
Minimum	1	1	1
Median	1.0	1.0	1.0
Maximum	2	2	2
Week 4			
Ν	3	9	12
Missing	0	0	0
Mean	1.7	1.1	1.3
SD	0.58	0.33	0.45
Minimum	1	1	1
Median	2.0	1.0	1.0
Maximum	2	2	2
Week 5			
Ν	5	5	10
Missing	0	0	0
Mean	1.2	1.4	1.3
SD	0.45	0.89	0.67
Minimum	1	1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 432 of 464Table 9: Patient Resource Use - Health Services

	Abdominal Massage	Standard Care	Total				
Variable							
Median	1.0	1.0	1.0				
Maximum	2	3	3				
Week 6							
Ν	5	4	9				
Missing	0	0	0				
Mean	1.2	1.0	1.1				
SD	0.45	0.00	0.33				
Minimum	1	1	1				
Median	1.0	1.0	1.0				
Maximum	2	1	2				
Week 12							
Ν	2	7	9				
Missing	0	0	0				
Mean	1.0	1.0	1.0				
SD	0.00	0.00	0.00				
Minimum	1	1	1				
Median	1.0	1.0	1.0				
Maximum	1	1	1				
Week 18							
Ν	3	10	13				
Missing	0	0	0				
Mean	1.0	1.3	1.2				
SD	0.00	0.67	0.60				
Minimum	1	1	1				
Median	1.0	1.0	1.0				
Maximum	1	3	3				
Week 24							
Ν	5	13	18				
Missing	0	0	0				
Mean	1.0	1.5	1.3				
SD	0.00	1.13	0.97				
Minimum	1	1	1				
Median	1.0	1.0	1.0				
Maximum	1	5	5				
Variable		Abdominal Massage		Standard Care		Total	
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	Ν	(%)	N	(%)	N	(%)	
Has diet changed							
Week 1							
Missing	4	(4.6%)	7	(7.4%)	11	(6.1%)	
Yes	16	(18.4%)	18	(19.1%)	34	(18.8%)	
No	67	(77.0%)	69	(73.4%)	136	(75.1%)	
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)	
Week 2							
Missing	9	(10.7%)	12	(12.5%)	21	(11.7%)	
Yes	12	(14.3%)	24	(25.0%)	36	(20.0%)	
No	63	(75.0%)	60	(62.5%)	123	(68.3%)	
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)	
Week 3							
Missing	11	(13.1%)	7	(7.4%)	18	(10.1%)	
Yes	12	(14.3%)	24	(25.3%)	36	(20.1%)	
No	61	(72.6%)	64	(67.4%)	125	(69.8%)	
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)	
Week 4							
Missing	15	(17.9%)	13	(13.4%)	28	(15.5%)	
Yes	13	(15.5%)	22	(22.7%)	35	(19.3%)	
No	56	(66.7%)	62	(63.9%)	118	(65.2%)	
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)	
Week 5							
Missing	10	(12.5%)	12	(12.5%)	22	(12.5%)	
Yes	16	(20.0%)	14	(14.6%)	30	(17.0%)	
No	54	(67.5%)	70	(72.9%)	124	(70.5%)	
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)	
Week 6							
Missing	7	(9.0%)	3	(3.2%)	10	(5.8%)	
Yes	17	(21.8%)	16	(17.0%)	33	(19.2%)	
No	54	(69.2%)	75	(79.8%)	129	(75.0%)	
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)	
Week 24							
Missing	4	(5.2%)	9	(9.6%)	13	(7.6%)	
Yes	17	(22.1%)	17	(18.1%)	34	(19.9%)	
No	56	(72.7%)	68	(72.3%)	124	(72.5%)	
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)	

Variable	Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)
Has fluid intake changed						
Week 1						
Missing	4	(4.6%)	7	(7.4%)	11	(6.1%)
Yes	23	(26.4%)	26	(27.7%)	49	(27.1%)
No	60	(69.0%)	61	(64.9%)	121	(66.9%)
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)
Week 2						
Missing	9	(10.7%)	12	(12.5%)	21	(11.7%)
Yes	22	(26.2%)	28	(29.2%)	50	(27.8%)
No	53	(63.1%)	56	(58.3%)	109	(60.6%)
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)
Week 3						
Missing	11	(13.1%)	7	(7.4%)	18	(10.1%)
Yes	23	(27.4%)	34	(35.8%)	57	(31.8%)
No	50	(59.5%)	54	(56.8%)	104	(58.1%)
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)
Week 4						
Missing	15	(17.9%)	13	(13.4%)	28	(15.5%)
Yes	17	(20.2%)	28	(28.9%)	45	(24.9%)
No	52	(61.9%)	56	(57.7%)	108	(59.7%)
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)
Week 5						
Missing	10	(12.5%)	12	(12.5%)	22	(12.5%)
Yes	14	(17.5%)	31	(32.3%)	45	(25.6%)
No	56	(70.0%)	53	(55.2%)	109	(61.9%)
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)
Week 6						
Missing	7	(9.0%)	3	(3.2%)	10	(5.8%)
Yes	15	(19.2%)	25	(26.6%)	40	(23.3%)
No	56	(71.8%)	66	(70.2%)	122	(70.9%)
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)
Week 24						
Missing	4	(5.2%)	9	(9.6%)	13	(7.6%)
Yes	15	(19.5%)	18	(19.1%)	33	(19.3%)
No	58	(75.3%)	67	(71.3%)	125	(73.1%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

	Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Has defaecation position changed						
Week 1						
Missing	5	(5.7%)	8	(8.5%)	13	(7.2%)
Yes	22	(25.3%)	26	(27.7%)	48	(26.5%)
No	60	(69.0%)	60	(63.8%)	120	(66.3%)
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)
Week 2						
Missing	9	(10.7%)	13	(13.5%)	22	(12.2%)
Yes	13	(15.5%)	13	(13.5%)	26	(14.4%)
No	62	(73.8%)	70	(72.9%)	132	(73.3%)
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)
Week 3						
Missing	11	(13.1%)	7	(7.4%)	18	(10.1%)
Yes	7	(8.3%)	9	(9.5%)	16	(8.9%)
No	66	(78.6%)	79	(83.2%)	145	(81.0%)
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)
Week 4						
Missing	15	(17.9%)	13	(13.4%)	28	(15.5%)
Yes	6	(7.1%)	8	(8.2%)	14	(7.7%)
No	63	(75.0%)	76	(78.4%)	139	(76.8%)
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)
Week 5						
Missing	11	(13.8%)	12	(12.5%)	23	(13.1%)
Yes	9	(11.3%)	8	(8.3%)	17	(9.7%)
No	60	(75.0%)	76	(79.2%)	136	(77.3%)
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)
Week 6						
Missing	7	(9.0%)	3	(3.2%)	10	(5.8%)
Yes	7	(9.0%)	9	(9.6%)	16	(9.3%)
No	64	(82.1%)	82	(87.2%)	146	(84.9%)
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)
Week 24						
Missing	5	(6.5%)	9	(9.6%)	14	(8.2%)
Yes	7	(9.1%)	8	(8.5%)	15	(8.8%)
No	65	(84.4%)	77	(81.9%)	142	(83.0%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

	Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Is participant taking more exercise						
Week 1						
Missing	4	(4.6%)	7	(7.4%)	11	(6.1%)
Yes	14	(16.1%)	17	(18.1%)	31	(17.1%)
No	69	(79.3%)	70	(74.5%)	139	(76.8%)
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)
Week 2						
Missing	9	(10.7%)	12	(12.5%)	21	(11.7%)
Yes	15	(17.9%)	22	(22.9%)	37	(20.6%)
No	60	(71.4%)	62	(64.6%)	122	(67.8%)
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)
Week 3						
Missing	11	(13.1%)	7	(7.4%)	18	(10.1%)
Yes	15	(17.9%)	25	(26.3%)	40	(22.3%)
No	58	(69.0%)	63	(66.3%)	121	(67.6%)
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)
Week 4						
Missing	15	(17.9%)	13	(13.4%)	28	(15.5%)
Yes	14	(16.7%)	12	(12.4%)	26	(14.4%)
No	55	(65.5%)	72	(74.2%)	127	(70.2%)
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)
Week 5						
Missing	10	(12.5%)	12	(12.5%)	22	(12.5%)
Yes	19	(23.8%)	15	(15.6%)	34	(19.3%)
No	51	(63.8%)	69	(71.9%)	120	(68.2%)
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)
Week 6						
Missing	7	(9.0%)	3	(3.2%)	10	(5.8%)
Yes	14	(17.9%)	19	(20.2%)	33	(19.2%)
No	57	(73.1%)	72	(76.6%)	129	(75.0%)
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)
Week 24						
Missing	4	(5.2%)	9	(9.6%)	13	(7.6%)
Yes	13	(16.9%)	12	(12.8%)	25	(14.6%)
No	60	(77.9%)	73	(77.7%)	133	(77.8%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

Variable	Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)
Have con meds changed						
Week 1						
Missing	4	(4.6%)	7	(7.4%)	11	(6.1%)
Yes	5	(5.7%)	9	(9.6%)	14	(7.7%)
No	78	(89.7%)	78	(83.0%)	156	(86.2%)
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)
Week 2						
Missing	9	(10.7%)	12	(12.5%)	21	(11.7%)
Yes	5	(6.0%)	13	(13.5%)	18	(10.0%)
No	70	(83.3%)	71	(74.0%)	141	(78.3%)
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)
Week 3						
Missing	11	(13.1%)	7	(7.4%)	18	(10.1%)
Yes	7	(8.3%)	8	(8.4%)	15	(8.4%)
No	66	(78.6%)	80	(84.2%)	146	(81.6%)
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)
Week 4						
Missing	15	(17.9%)	13	(13.4%)	28	(15.5%)
Yes	8	(9.5%)	8	(8.2%)	16	(8.8%)
No	61	(72.6%)	76	(78.4%)	137	(75.7%)
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)
Week 5						
Missing	10	(12.5%)	12	(12.5%)	22	(12.5%)
Yes	3	(3.8%)	12	(12.5%)	15	(8.5%)
No	67	(83.8%)	72	(75.0%)	139	(79.0%)
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)
Week 6						
Missing	7	(9.0%)	3	(3.2%)	10	(5.8%)
Yes	8	(10.3%)	7	(7.4%)	15	(8.7%)
No	63	(80.8%)	84	(89.4%)	147	(85.5%)
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)
Week 24						
Missing	4	(5.2%)	9	(9.6%)	13	(7.6%)
Yes	12	(15.6%)	14	(14.9%)	26	(15.2%)
No	61	(79.2%)	71	(75.5%)	132	(77.2%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

Variable	Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)
Has use of laxatives changed						
Week 1						
Missing	4	(4.6%)	8	(8.5%)	12	(6.6%)
Yes	12	(13.8%)	15	(16.0%)	27	(14.9%)
No	71	(81.6%)	71	(75.5%)	142	(78.5%)
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)
Week 2						
Missing	9	(10.7%)	12	(12.5%)	21	(11.7%)
Yes	10	(11.9%)	10	(10.4%)	20	(11.1%)
No	65	(77.4%)	74	(77.1%)	139	(77.2%)
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)
Week 3						
Missing	11	(13.1%)	7	(7.4%)	18	(10.1%)
Yes	12	(14.3%)	17	(17.9%)	29	(16.2%)
No	61	(72.6%)	71	(74.7%)	132	(73.7%)
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)
Week 4						
Missing	15	(17.9%)	13	(13.4%)	28	(15.5%)
Yes	11	(13.1%)	9	(9.3%)	20	(11.0%)
No	58	(69.0%)	75	(77.3%)	133	(73.5%)
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)
Week 5						
Missing	10	(12.5%)	12	(12.5%)	22	(12.5%)
Yes	11	(13.8%)	9	(9.4%)	20	(11.4%)
No	59	(73.8%)	75	(78.1%)	134	(76.1%)
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)
Week 6						
Missing	7	(9.0%)	3	(3.2%)	10	(5.8%)
Yes	15	(19.2%)	7	(7.4%)	22	(12.8%)
No	56	(71.8%)	84	(89.4%)	140	(81.4%)
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)
Week 24						
Missing	4	(5.2%)	10	(10.6%)	14	(8.2%)
Yes	7	(9.1%)	7	(7.4%)	14	(8.2%)
No	66	(85.7%)	77	(81.9%)	143	(83.6%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

Variable	Abdominal Massage		Standard Care		Total	
	N	(%)	N	(%)	N	(%)
Have bowel habits changed						
Week 1						
Missing	4	(4.6%)	7	(7.4%)	11	(6.1%)
Yes	43	(49.4%)	36	(38.3%)	79	(43.6%)
No	40	(46.0%)	51	(54.3%)	91	(50.3%)
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)
Week 2						
Missing	9	(10.7%)	12	(12.5%)	21	(11.7%)
Yes	39	(46.4%)	32	(33.3%)	71	(39.4%)
No	36	(42.9%)	52	(54.2%)	88	(48.9%)
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)
Week 3						
Missing	11	(13.1%)	7	(7.4%)	18	(10.1%)
Yes	45	(53.6%)	36	(37.9%)	81	(45.3%)
No	28	(33.3%)	52	(54.7%)	80	(44.7%)
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)
Week 4						
Missing	15	(17.9%)	13	(13.4%)	28	(15.5%)
Yes	35	(41.7%)	30	(30.9%)	65	(35.9%)
No	34	(40.5%)	54	(55.7%)	88	(48.6%)
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)
Week 5						
Missing	10	(12.5%)	13	(13.5%)	23	(13.1%)
Yes	42	(52.5%)	33	(34.4%)	75	(42.6%)
No	28	(35.0%)	50	(52.1%)	78	(44.3%)
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)
Week 6						
Missing	7	(9.0%)	3	(3.2%)	10	(5.8%)
Yes	37	(47.4%)	24	(25.5%)	61	(35.5%)
No	34	(43.6%)	67	(71.3%)	101	(58.7%)
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)
Week 24						
Missing	4	(5.2%)	9	(9.6%)	13	(7.6%)
Yes	33	(42.9%)	29	(30.9%)	62	(36.3%)
No	40	(51.9%)	56	(59.6%)	96	(56.1%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

	Abdominal Massage			ndard are	Total	
Variable	Ν	(%)	N	(%)	N	(%)
Bowel habits changed - more often						
Week 1						
Missing	44	(50.6%)	59	(62.8%)	103	(56.9%)
Yes	31	(35.6%)	23	(24.5%)	54	(29.8%)
No	12	(13.8%)	12	(12.8%)	24	(13.3%)
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)
Week 2						
Missing	46	(54.8%)	66	(68.8%)	112	(62.2%)
Yes	17	(20.2%)	12	(12.5%)	29	(16.1%)
No	21	(25.0%)	18	(18.8%)	39	(21.7%
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)
Week 3						
Missing	40	(47.6%)	61	(64.2%)	101	(56.4%
Yes	30	(35.7%)	16	(16.8%)	46	(25.7%
No	14	(16.7%)	18	(18.9%)	32	(17.9%
Total	84	(100.0%)	95	(100.0%)	179	(100.0%
Week 4						
Missing	49	(58.3%)	67	(69.1%)	116	(64.1%
Yes	21	(25.0%)	15	(15.5%)	36	(19.9%
No	14	(16.7%)	15	(15.5%)	29	(16.0%
Total	84	(100.0%)	97	(100.0%)	181	(100.0%
Week 5						
Missing	38	(47.5%)	64	(66.7%)	102	(58.0%)
Yes	26	(32.5%)	16	(16.7%)	42	(23.9%
No	16	(20.0%)	16	(16.7%)	32	(18.2%
Total	80	(100.0%)	96	(100.0%)	176	(100.0%
Week 6						
Missing	41	(52.6%)	71	(75.5%)	112	(65.1%
Yes	23	(29.5%)	11	(11.7%)	34	(19.8%
No	14	(17.9%)	12	(12.8%)	26	(15.1%
Total	78	(100.0%)	94	(100.0%)	172	(100.0%
Week 24						
Missing	45	(58.4%)	65	(69.1%)	110	(64.3%
Yes	23	(29.9%)	18	(19.1%)	41	(24.0%)
No	9	(11.7%)	11	(11.7%)	20	(11.7%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

Variable	Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)
Bowel habits changed - less time						
Week 1						
Missing	45	(51.7%)	60	(63.8%)	105	(58.0%)
Yes	6	(6.9%)	4	(4.3%)	10	(5.5%)
No	36	(41.4%)	30	(31.9%)	66	(36.5%)
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)
Week 2						
Missing	46	(54.8%)	66	(68.8%)	112	(62.2%)
Yes	10	(11.9%)	3	(3.1%)	13	(7.2%)
No	28	(33.3%)	27	(28.1%)	55	(30.6%)
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)
Week 3						
Missing	41	(48.8%)	60	(63.2%)	101	(56.4%)
Yes	13	(15.5%)	10	(10.5%)	23	(12.8%)
No	30	(35.7%)	25	(26.3%)	55	(30.7%)
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)
Week 4						
Missing	49	(58.3%)	67	(69.1%)	116	(64.1%)
Yes	15	(17.9%)	8	(8.2%)	23	(12.7%)
No	20	(23.8%)	22	(22.7%)	42	(23.2%)
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)
Week 5						
Missing	38	(47.5%)	64	(66.7%)	102	(58.0%)
Yes	16	(20.0%)	7	(7.3%)	23	(13.1%)
No	26	(32.5%)	25	(26.0%)	51	(29.0%)
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)
Week 6						
Missing	41	(52.6%)	71	(75.5%)	112	(65.1%)
Yes	12	(15.4%)	6	(6.4%)	18	(10.5%)
No	25	(32.1%)	17	(18.1%)	42	(24.4%)
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)
Week 24						
Missing	45	(58.4%)	65	(69.1%)	110	(64.3%)
Yes	14	(18.2%)	6	(6.4%)	20	(11.7%)
No	18	(23.4%)	23	(24.5%)	41	(24.0%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

	Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Bowel habits changed - less hard						
Week 1						
Missing	45	(51.7%)	60	(63.8%)	105	(58.0%)
Yes	18	(20.7%)	5	(5.3%)	23	(12.7%)
No	24	(27.6%)	29	(30.9%)	53	(29.3%)
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)
Week 2						
Missing	46	(54.8%)	66	(68.8%)	112	(62.2%)
Yes	13	(15.5%)	9	(9.4%)	22	(12.2%)
No	25	(29.8%)	21	(21.9%)	46	(25.6%)
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)
Week 3						
Missing	40	(47.6%)	60	(63.2%)	100	(55.9%)
Yes	16	(19.0%)	13	(13.7%)	29	(16.2%)
No	28	(33.3%)	22	(23.2%)	50	(27.9%)
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)
Week 4						
Missing	49	(58.3%)	67	(69.1%)	116	(64.1%)
Yes	18	(21.4%)	13	(13.4%)	31	(17.1%)
No	17	(20.2%)	17	(17.5%)	34	(18.8%)
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)
Week 5						
Missing	38	(47.5%)	64	(66.7%)	102	(58.0%)
Yes	22	(27.5%)	10	(10.4%)	32	(18.2%)
No	20	(25.0%)	22	(22.9%)	42	(23.9%)
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)
Week 6						
Missing	41	(52.6%)	71	(75.5%)	112	(65.1%)
Yes	19	(24.4%)	9	(9.6%)	28	(16.3%)
No	18	(23.1%)	14	(14.9%)	32	(18.6%)
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)
Week 24						
Missing	45	(58.4%)	65	(69.1%)	110	(64.3%)
Yes	16	(20.8%)	14	(14.9%)	30	(17.5%)
No	16	(20.8%)	15	(16.0%)	31	(18.1%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

Variable	Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)
Bowel habits changed - other						
Week 1						
Missing	45	(51.7%)	59	(62.8%)	104	(57.5%)
Yes	11	(12.6%)	15	(16.0%)	26	(14.4%)
No	31	(35.6%)	20	(21.3%)	51	(28.2%)
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)
Week 2						
Missing	45	(53.6%)	65	(67.7%)	110	(61.1%)
Yes	18	(21.4%)	21	(21.9%)	39	(21.7%)
No	21	(25.0%)	10	(10.4%)	31	(17.2%)
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)
Week 3						
Missing	40	(47.6%)	59	(62.1%)	99	(55.3%)
Yes	17	(20.2%)	20	(21.1%)	37	(20.7%)
No	27	(32.1%)	16	(16.8%)	43	(24.0%)
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)
Week 4						
Missing	49	(58.3%)	67	(69.1%)	116	(64.1%)
Yes	14	(16.7%)	16	(16.5%)	30	(16.6%)
No	21	(25.0%)	14	(14.4%)	35	(19.3%)
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)
Week 5						
Missing	38	(47.5%)	64	(66.7%)	102	(58.0%)
Yes	16	(20.0%)	13	(13.5%)	29	(16.5%)
No	26	(32.5%)	19	(19.8%)	45	(25.6%)
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)
Week 6						
Missing	41	(52.6%)	70	(74.5%)	111	(64.5%)
Yes	15	(19.2%)	9	(9.6%)	24	(14.0%)
No	22	(28.2%)	15	(16.0%)	37	(21.5%)
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)
Week 24						
Missing	46	(59.7%)	65	(69.1%)	111	(64.9%)
Yes	11	(14.3%)	12	(12.8%)	23	(13.5%)
No	20	(26.0%)	17	(18.1%)	37	(21.6%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

		ominal ssage	Standard Care		Total	
Variable	N	(%)	N	(%)	N	(%)
Did participant administer massage						
Week 1						
Missing	4	(4.6%)	94	(100.0%)	98	(54.1%)
Yes	73	(83.9%)	0	(0.0%)	73	(40.3%)
No	10	(11.5%)	0	(0.0%)	10	(5.5%)
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)
Week 2						
Missing	10	(11.9%)	96	(100.0%)	106	(58.9%)
Yes	66	(78.6%)	0	(0.0%)	66	(36.7%)
No	8	(9.5%)	0	(0.0%)	8	(4.4%)
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)
Week 3						
Missing	12	(14.3%)	95	(100.0%)	107	(59.8%)
Yes	64	(76.2%)	0	(0.0%)	64	(35.8%)
No	8	(9.5%)	0	(0.0%)	8	(4.5%)
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)
Week 4						
Missing	16	(19.0%)	97	(100.0%)	113	(62.4%)
Yes	61	(72.6%)	0	(0.0%)	61	(33.7%)
No	7	(8.3%)	0	(0.0%)	7	(3.9%)
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)
Week 5						
Missing	11	(13.8%)	96	(100.0%)	107	(60.8%)
Yes	65	(81.3%)	0	(0.0%)	65	(36.9%)
No	4	(5.0%)	0	(0.0%)	4	(2.3%)
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)
Week 6						
Missing	8	(10.3%)	94	(100.0%)	102	(59.3%)
Yes	65	(83.3%)	0	(0.0%)	65	(37.8%)
No	5	(6.4%)	0	(0.0%)	5	(2.9%)
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)
Week 24						
Missing	77	(100.0%)	94	(100.0%)	171	(100.0%)
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)
No	0	(0.0%)	0	(0.0%)	0	(0.0%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

		ominal ssage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Did carer administer massage							
Week 1							
Missing	4	(4.6%)	94	(100.0%)	98	(54.1%)	
Yes	9	(10.3%)	0	(0.0%)	9	(5.0%)	
No	74	(85.1%)	0	(0.0%)	74	(40.9%)	
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)	
Week 2							
Missing	10	(11.9%)	96	(100.0%)	106	(58.9%)	
Yes	8	(9.5%)	0	(0.0%)	8	(4.4%)	
No	66	(78.6%)	0	(0.0%)	66	(36.7%)	
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)	
Week 3							
Missing	12	(14.3%)	95	(100.0%)	107	(59.8%)	
Yes	7	(8.3%)	0	(0.0%)	7	(3.9%)	
No	65	(77.4%)	0	(0.0%)	65	(36.3%)	
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)	
Week 4							
Missing	16	(19.0%)	97	(100.0%)	113	(62.4%)	
Yes	9	(10.7%)	0	(0.0%)	9	(5.0%)	
No	59	(70.2%)	0	(0.0%)	59	(32.6%)	
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)	
Week 5							
Missing	11	(13.8%)	96	(100.0%)	107	(60.8%)	
Yes	9	(11.3%)	0	(0.0%)	9	(5.1%)	
No	60	(75.0%)	0	(0.0%)	60	(34.1%)	
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)	
Week 6							
Missing	8	(10.3%)	94	(100.0%)	102	(59.3%)	
Yes	11	(14.1%)	0	(0.0%)	11	(6.4%)	
No	59	(75.6%)	0	(0.0%)	59	(34.3%)	
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)	
Week 24							
Missing	77	(100.0%)	94	(100.0%)	171	(100.0%)	
Yes	0	(0.0%)	0	(0.0%)	0	(0.0%)	
No	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)	

		ominal ssage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Position massage administered							
Week 1							
Missing	8	(9.2%)	94	(100.0%)	102	(56.4%)	
Lying	56	(64.4%)	0	(0.0%)	56	(30.9%)	
Semi-lying	21	(24.1%)	0	(0.0%)	21	(11.6%)	
Sitting	2	(2.3%)	0	(0.0%)	2	(1.1%)	
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)	
Week 2							
Missing	13	(15.5%)	96	(100.0%)	109	(60.6%)	
Lying	49	(58.3%)	0	(0.0%)	49	(27.2%)	
Semi-lying	20	(23.8%)	0	(0.0%)	20	(11.1%)	
Sitting	2	(2.4%)	0	(0.0%)	2	(1.1%)	
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)	
Week 3							
Missing	17	(20.2%)	95	(100.0%)	112	(62.6%)	
Lying	49	(58.3%)	0	(0.0%)	49	(27.4%)	
Semi-lying	16	(19.0%)	0	(0.0%)	16	(8.9%)	
Sitting	2	(2.4%)	0	(0.0%)	2	(1.1%)	
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)	
Week 4							
Missing	19	(22.6%)	97	(100.0%)	116	(64.1%)	
Lying	49	(58.3%)	0	(0.0%)	49	(27.1%)	
Semi-lying	13	(15.5%)	0	(0.0%)	13	(7.2%)	
Sitting	3	(3.6%)	0	(0.0%)	3	(1.7%)	
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)	
Week 5							
Missing	13	(16.3%)	96	(100.0%)	109	(61.9%)	
Lying	51	(63.8%)	0	(0.0%)	51	(29.0%)	
Semi-lying	13	(16.3%)	0	(0.0%)	13	(7.4%)	
Sitting	3	(3.8%)	0	(0.0%)	3	(1.7%)	
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)	
Week 6							
Missing	10	(12.8%)	94	(100.0%)	104	(60.5%)	
Lying	49	(62.8%)	0	(0.0%)	49	(28.5%)	
Semi-lying	18	(23.1%)	0	(0.0%)	18	(10.5%)	
Sitting	1	(1.3%)	0	(0.0%)	1	(0.6%)	
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)	

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Week 24							
Missing	77	(100.0%)	94	(100.0%)	171	(100.0%)	
Lying	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Semi-lying	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Sitting	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)	

		ominal ssage	Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Time of day massage administered						
Week 1						
Missing	9	(10.3%)	94	(100.0%)	103	(56.9%)
Morning	49	(56.3%)	0	(0.0%)	49	(27.1%)
Afternoon	4	(4.6%)	0	(0.0%)	4	(2.2%)
Evening	25	(28.7%)	0	(0.0%)	25	(13.8%)
Total	87	(100.0%)	94	(100.0%)	181	(100.0%)
Week 2						
Missing	14	(16.7%)	96	(100.0%)	110	(61.1%)
Morning	40	(47.6%)	0	(0.0%)	40	(22.2%)
Afternoon	5	(6.0%)	0	(0.0%)	5	(2.8%)
Evening	25	(29.8%)	0	(0.0%)	25	(13.9%)
Total	84	(100.0%)	96	(100.0%)	180	(100.0%)
Week 3						
Missing	18	(21.4%)	95	(100.0%)	113	(63.1%)
Morning	40	(47.6%)	0	(0.0%)	40	(22.3%)
Afternoon	4	(4.8%)	0	(0.0%)	4	(2.2%)
Evening	22	(26.2%)	0	(0.0%)	22	(12.3%)
Total	84	(100.0%)	95	(100.0%)	179	(100.0%)
Week 4						
Missing	20	(23.8%)	97	(100.0%)	117	(64.6%)
Morning	39	(46.4%)	0	(0.0%)	39	(21.5%)
Afternoon	3	(3.6%)	0	(0.0%)	3	(1.7%)
Evening	22	(26.2%)	0	(0.0%)	22	(12.2%)
Total	84	(100.0%)	97	(100.0%)	181	(100.0%)
Week 5						
Missing	14	(17.5%)	96	(100.0%)	110	(62.5%)
Morning	39	(48.8%)	0	(0.0%)	39	(22.2%)
Afternoon	2	(2.5%)	0	(0.0%)	2	(1.1%)
Evening	25	(31.3%)	0	(0.0%)	25	(14.2%)
Total	80	(100.0%)	96	(100.0%)	176	(100.0%)
Week 6						
Missing	11	(14.1%)	94	(100.0%)	105	(61.0%)
Morning	39	(50.0%)	0	(0.0%)	39	(22.7%)
Afternoon	4	(5.1%)	0	(0.0%)	4	(2.3%)
Evening	24	(30.8%)	0	(0.0%)	24	(14.0%)
Total	78	(100.0%)	94	(100.0%)	172	(100.0%)

		Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Week 24							
Missing	77	(100.0%)	94	(100.0%)	171	(100.0%)	
Morning	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Afternoon	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Evening	0	(0.0%)	0	(0.0%)	0	(0.0%)	
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)	

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	Abdomin	al Massage	Standa	ard Care	Т	otal
Variable	Ν	(%)	Ν	(%)	Ν	(%)
Has there been a change in MS?						
Missing	4	(5.2%)	9	(9.6%)	13	(7.6%)
Yes	22	(28.6%)	15	(16.0%)	37	(21.6%)
No	51	(66.2%)	70	(74.5%)	121	(70.8%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

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Table 12: Telephone Interview

Week 24 telephone interview questions only

	Abdomin	al Massage	Standa	Standard Care		Total	
Variable	Ν	(%)	Ν	(%)	Ν	(%)	
Has participant continued the massage?							
Missing	5	(6.5%)	9	(9.6%)	14	(8.2%)	
Yes	51	(66.2%)	0	(0.0%)	51	(29.8%)	
No	21	(27.3%)	0	(0.0%)	21	(12.3%)	
Not in intervention arm	0	(0.0%)	85	(90.4%)	85	(49.7%)	
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)	
Massage not continued - no benefit							
Missing	56	(72.7%)	94	(100.0%)	150	(87.7%)	
Yes	8	(10.4%)	0	(0.0%)	8	(4.7%)	
No	13	(16.9%)	0	(0.0%)	13	(7.6%)	
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)	
Massage not continued - burden on care	er						
Missing	57	(74.0%)	94	(100.0%)	151	(88.3%)	
Yes	1	(1.3%)	0	(0.0%)	1	(0.6%)	
No	19	(24.7%)	0	(0.0%)	19	(11.1%)	
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)	
Massage not continued - too difficult							
Missing	57	(74.0%)	94	(100.0%)	151	(88.3%)	
Yes	5	(6.5%)	0	(0.0%)	5	(2.9%)	
No	15	(19.5%)	0	(0.0%)	15	(8.8%)	
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)	

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Table 12: Telephone Interview

Week 24 telephone interview questions only

	Abdomina	al Massage	Standa	ard Care	To	otal
Variable	Ν	(%)	Ν	(%)	Ν	(%)
Massage continued - frequency						
	26	(33.8%)	94	(100.0%)	120	(70.2%)
1	1	(1.3%)	0	(0.0%)	1	(0.6%)
1 PER WEEK (FINDS IT	1	(1.3%)	0	(0.0%)	1	(0.6%)
DIFFICULT TO FIND TIME)						
1-2 times a week	1	(1.3%)	0	(0.0%)	1	(0.6%)
2 days per week	1	(1.3%)	0	(0.0%)	1	(0.6%)
2-3 times per week	1	(1.3%)	0	(0.0%)	1	(0.6%)
2xweek	1	(1.3%)	0	(0.0%)	1	(0.6%)
3 times a week	2	(2.6%)	0	(0.0%)	2	(1.2%)
3 times a week (in morning)	1	(1.3%)	0	(0.0%)	1	(0.6%)
3 times a week now	1	(1.3%)	0	(0.0%)	1	(0.6%)
3times weekly up to last month then bowels became more regular	1	(1.3%)	0	(0.0%)	1	(0.6%)
5 x per week	1	(1.3%)	0	(0.0%)	1	(0.6%)
5-7 days a week	1	(1.3%)	0	(0.0%)	1	(0.6%)
6 - 7 days per weel	1	(1.3%)	0	(0.0%)	1	(0.6%)
AT LEAST 2-3 X WEEKLY, TRYING FOR EVERY DAY.	1	(1.3%)	0	(0.0%)	1	(0.6%)
Daily	2	(2.6%)	0	(0.0%)	2	(1.2%)
Daily - Night time.	1	(1.3%)	0	(0.0%)	1	(0.6%)
Every day	1	(1.3%)	0	(0.0%)	1	(0.6%)
Every night	2	(2.6%)	0	(0.0%)	2	(1.2%)
Initially 3-4 times a week, now 2-3	1	(1.3%)	0	(0.0%)	1	(0.6%)
times a month.	1	(1.20())	0		1	(0, co())
Multiple times per day	1	(1.3%)	0	(0.0%)	1	(0.6%)
ONCE EVERY 3 DAYS	1	(1.3%)	0	(0.0%)	1	(0.6%)
Once a day	1	(1.3%)	0	(0.0%)	1	(0.6%)
TWICE A WEEK	1	(1.3%)	0	(0.0%)	1	(0.6%)
Tries every day but misses a few - average 4-5 times weekly.	1	(1.3%)	0	(0.0%)	1	(0.6%)
Tries everyday - misses sometimes	1	(1.3%)	0	(0.0%)	1	(0.6%)
Twice a week (10 minutes).	1	(1.3%)	0	(0.0%)	1	(0.6%)
Varies from 2-6 times a week	1	(1.3%)	0	(0.0%)	1	(0.6%)
X2 WEEK AVERAGE	1	(1.3%)	0	(0.0%)	1	(0.6%)
alternate days	1	(1.3%)	0	(0.0%)	1	(0.6%)
approx every other day over past few weeks (once in last 7 days)	1	(1.3%)	0	(0.0%)	1	(0.6%)
average 3-4 time a week	1	(1.3%)	0	(0.0%)	1	(0.6%)
daily	4	(5.2%)	0	(0.0%)	4	(2.3%)
every day	1	(1.3%)	0	(0.0%)	1	(0.6%)
every day (in last 7 days)	1	(1.3%)	0	(0.0%)	1	(0.6%)
every other day	1	(1.3%)	0	(0.0%)	1	(0.6%)
every second day	1	(1.3%)	0	(0.0%)	1	(0.6%)

	Abdomin	al Massage	Standa	rd Care	Т	otal
Variable	Ν	(%)	Ν	(%)	Ν	(%)
nightly	1	(1.3%)	0	(0.0%)	1	(0.6%)
not very often	1	(1.3%)	0	(0.0%)	1	(0.6%)
once a day	1	(1.3%)	0	(0.0%)	1	(0.6%)
twice	1	(1.3%)	0	(0.0%)	1	(0.6%)
twice per week	1	(1.3%)	0	(0.0%)	1	(0.6%)
when has wind pain. ave. x3 weekly	1	(1.3%)	0	(0.0%)	1	(0.6%)
when she can	1	(1.3%)	0	(0.0%)	1	(0.6%)
when she can 2-3 times per wrrk	1	(1.3%)	0	(0.0%)	1	(0.6%)
x4 weekly	1	(1.3%)	0	(0.0%)	1	(0.6%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

Week 24 telephone interview questions only

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Table 12: Telephone Interview

Week 24 telephone interview questions only

	Abdomin	al Massage	Standa	ard Care	Т	otal
Variable	Ν	(%)	Ν	(%)	Ν	(%)
Massage continued - self or carer						
Missing	26	(33.8%)	94	(100.0%)	120	(70.2%)
Self	50	(64.9%)	0	(0.0%)	50	(29.2%)
Carer	1	(1.3%)	0	(0.0%)	1	(0.6%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)
Massage continued - benefit felt						
Missing	27	(35.1%)	94	(100.0%)	121	(70.8%)
Yes	44	(57.1%)	0	(0.0%)	44	(25.7%)
No	6	(7.8%)	0	(0.0%)	6	(3.5%)
Total	77	(100.0%)	94	(100.0%)	171	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 455 of 464 Table 13: Summary of all Adverse Events by System Organ Class

	Abdominal Massage	Standard Care	Total
All participants	91	100	191
Participants without adverse events	72	70	142
All adverse events	28	56	84
Cardiac disorders	0(0.0%)	1(1.8%)	1(1.2%)
Gastrointestinal disorders	5(17.9%)	5 (8.9%)	10(11.9%)
General disorders and administration site conditions	0(0.0%)	1(1.8%)	1(1.2%)
Hepatobiliary disorders	0(0.0%)	2(3.6%)	2(2.4%)
Infections and infestations	9(32.1%)	24 (42.9%)	33 (39.3%)
Injury, poisoning and procedural complications	4(14.3%)	9(16.1%)	13 (15.5%)
Investigations	1 (3.6%)	2(3.6%)	3 (3.6%)
Musculoskeletal and connective tissue disorders	1 (3.6%)	2(3.6%)	3 (3.6%)
Neoplasms benign, malignant and unspecified (incl cysts and polyps)	3 (10.7%)	0(0.0%)	3 (3.6%)
Nervous system disorders	4 (14.3%)	4(7.1%)	8 (9.5%)
Psychiatric disorders	0(0.0%)	2(3.6%)	2(2.4%)
Renal and urinary disorders	0(0.0%)	1(1.8%)	1(1.2%)
Respiratory, thoracic and mediastinal disorders	0(0.0%)	2(3.6%)	2(2.4%)
Skin and subcutaneous tissue disorders	1 (3.6%)	0(0.0%)	1(1.2%)
Surgical and medical procedures	0(0.0%)	1(1.8%)	1(1.2%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 456 of 464 Table 14: Summary of all Adverse Events by Preferred Term

	Abdominal Massage	Standard Care	Total
Il participants	91	100	191
articipants without adverse events	72	70	142
Il adverse events	28	56	84
Abdominal distension	0(0.0%)	1(1.8%)	1 (1.2%
Abdominal pain upper	0(0.0%)	1(1.8%)	1 (1.2%
Abscess oral	1 (3.6%)	0(0.0%)	1 (1.2%
Acrochordon	1 (3.6%)	0(0.0%)	1 (1.2%
Adverse drug reaction	0(0.0%)	1(1.8%)	1 (1.2%
Anxiety	0(0.0%)	1(1.8%)	1 (1.2%
Arthralgia	0(0.0%)	1(1.8%)	1 (1.2%
Balance disorder	1 (3.6%)	0(0.0%)	1 (1.2%
Benign neoplasm of skin	1 (3.6%)	0(0.0%)	1 (1.2%
Breast cancer	1 (3.6%)	0(0.0%)	1 (1.2%
Calculus bladder	0(0.0%)	1(1.8%)	1 (1.2%
Cholecystitis	0(0.0%)	1(1.8%)	1 (1.2%
Cholelithiasis	0(0.0%)	1(1.8%)	1 (1.2%
Contusion	1 (3.6%)	1(1.8%)	2 (2.4%
Cystoscopy	0(0.0%)	1(1.8%)	1 (1.2%
Depression	0(0.0%)	1(1.8%)	1 (1.2%
Diarrhoea	0(0.0%)	2(3.6%)	2(2.4%
Dysphagia	1 (3.6%)	0(0.0%)	1 (1.2%
Ear infection	0(0.0%)	1(1.8%)	1 (1.2%
Fall	3 (10.7%)	6(10.7%)	9 (10.7%
Femoral neck fracture	0(0.0%)	1(1.8%)	1 (1.2%
Gastroenteritis viral	0(0.0%)	1 (1.8%)	1 (1.2%
Gastrooesophageal reflux disease	2(7.1%)	0(0.0%)	2 (2.4%
Hepatitis C	0(0.0%)	1 (1.8%)	1 (1.2%
Ingrowing nail	1 (3.6%)	0(0.0%)	1 (1.2%
Injury	0(0.0%)	1 (1.8%)	1 (1.2%
Labyrinthitis	0 (0.0%)	1 (1.8%)	1 (1.2%
Localised infection	0(0.0%)	1 (1.8%)	1 (1.2%
Lower respiratory tract infection	0(0.0%)	3 (5.4%)	3 (3.6%
Multiple sclerosis relapse	2 (7.1%)	3 (5.4%)	5 (6.0%
Muscular weakness	1 (3.6%)	0 (0.0%)	1 (1.2%
Musculoskeletal pain	0 (0.0%)	1 (1.8%)	1 (1.2%
Myocardial infarction	0 (0.0%)	1 (1.8%)	1 (1.2%
Nasopharyngitis	1 (3.6%)	2 (3.6%)	3 (3.6%
Nausea	0 (0.0%)	1 (1.8%)	1 (1.2%
Neuralgia	1 (3.6%)	0 (0.0%)	1 (1.2%
Optic neuritis	0 (0.0%)	1 (1.8%)	1 (1.2%
Oral herpes	0 (0.0%)	1 (1.8%)	1 (1.2%
Oropharyngeal pain	0 (0.0%)	1 (1.8%)	1 (1.2%
Pleuroscopy	0 (0.0%)	1 (1.8%)	1 (1.2%
Productive cough	0 (0.0%)	1 (1.8%)	1 (1.2%

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 457 of 464 Table 14: Summary of all Adverse Events by Preferred Term

	Abdominal Massage	Standard Care	Total
Rectal haemorrhage	1 (3.6%)	0(0.0%)	1 (1.2%)
Sinusitis	0(0.0%)	2(3.6%)	2 (2.4%)
Toe amputation	0(0.0%)	1(1.8%)	1 (1.2%)
Urinary tract infection	7 (25.0%)	10 (17.9%)	17 (20.2%
Vaginal infection	0(0.0%)	1(1.8%)	1 (1.2%)
Vitamin D decreased	1 (3.6%)	0(0.0%)	1 (1.2%)
Vomiting	1 (3.6%)	0(0.0%)	1(1.2%)

Variable	Abdomin	Abdominal Massage		Standard Care		Total	
	Ν	(%)	N	(%)	N	(%)	
Severity							
Mild	10	(35.7%)	26	(46.4%)	36	(42.9%)	
Moderate	14	(50.0%)	23	(41.1%)	37	(44.0%)	
Severe	4	(14.3%)	7	(12.5%)	11	(13.1%)	
Total	28	(100.0%)	56	(100.0%)	84	(100.0%)	
Causality							
Unrelated	25	(89.3%)	54	(96.4%)	79	(94.0%)	
Possible	3	(10.7%)	2	(3.6%)	5	(6.0%)	
Total	28	(100.0%)	56	(100.0%)	84	(100.0%)	
Action taken							
None	14	(50.0%)	22	(39.3%)	36	(42.9%)	
Hospitalisation	2	(7.1%)	4	(7.1%)	6	(7.1%)	
Con Meds commenced	6	(21.4%)	23	(41.1%)	29	(34.5%)	
Other	2	(7.1%)	2	(3.6%)	4	(4.8%)	
Hospitalization/ Con Meds commenced	1	(3.6%)	3	(5.4%)	4	(4.8%)	
Intervention reduced/ Other	1	(3.6%)	0	(0.0%)	1	(1.2%)	
Con Meds commenced/ Other	2	(7.1%)	0	(0.0%)	2	(2.4%)	
None/ Other	0	(0.0%)	2	(3.6%)	2	(2.4%)	
Total	28	(100.0%)	56	(100.0%)	84	(100.0%)	
Outcome							
Recovered	17	(60.7%)	37	(66.1%)	54	(64.3%)	
Ongoing	11	(39.3%)	19	(33.9%)	30	(35.7%)	
Total	28	(100.0%)	56	(100.0%)	84	(100.0%)	

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 458 of 464 Table 14: Summary of all Adverse Events by Preferred Term

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 459 of 464 Table 15: Summary of Serious Adverse Events

	Abdominal Massage	Standard Care	Total
All participants	91	100	191
Participants without serious adverse events	88	94	182
All adverse events	28	56	84
All serious adverse events	3	6	9
Breast cancer	1 (3.6%)	0(0.0%)	1(1.2%)
Cholecystitis	0(0.0%)	1(1.8%)	1(1.2%)
Fall	1 (3.6%)	0(0.0%)	1(1.2%)
Femoral neck fracture	0(0.0%)	1(1.8%)	1(1.2%)
Localised infection	0(0.0%)	1(1.8%)	1(1.2%)
Multiple sclerosis relapse	1 (3.6%)	1(1.8%)	2(2.4%)
Myocardial infarction	0(0.0%)	1(1.8%)	1 (1.2%)
Urinary tract infection	0(0.0%)	1(1.8%)	1 (1.2%)

	Abdominal Massage	Standard Care	Total
All participants	91	100	191
Participants without concomitant medications	20	18	38
All concomitant medications	405	562	967
Patients with 1 Medications	10	7	17
Patients with 2 Medications	8	7	15
Patients with 3 Medications	10	6	16
Patients with 4 Medications	7	9	16
Patients with 5 Medications	6	6	12
Patients with 6 Medications	6	11	17
Patients with 7 Medications	7	7	14
Patients with 8 Medications	3	6	9
Patients with 9 Medications	4	8	12
Patients with 10 Medications	3	4	7
Patients with 11 Medications	1	5	6
Patients with 14 Medications	2	1	3
Patients with 15 Medications	0	1	1
Patients with 16 Medications	0	1	1
Patients with 17 Medications	1	0	1
Patients with 18 Medications	1	1	2
Patients with 19 Medications	1	0	1
Patients with 23 Medications	1	0	1
Patients with 29 Medications	0	1	1
Patients with 35 Medications	0	1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 460 of 464 Table 16: Concomitant Medication - all medications

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialTable 16: Concomitant Medication - prior medications started before randomisation

	Abdominal Massage	Standard Care	Total
All participants	91	100	191
Participants without prior medications	24	20	44
All concomitant medications	336	427	763
Patients with 1 Medications	9	12	21
Patients with 2 Medications	9	6	15
Patients with 3 Medications	14	9	23
Patients with 4 Medications	5	6	11
Patients with 5 Medications	7	7	14
Patients with 6 Medications	6	16	22
Patients with 7 Medications	3	6	9
Patients with 8 Medications	4	7	11
Patients with 9 Medications	1	4	5
Patients with 10 Medications	4	1	5
Patients with 11 Medications	1	2	3
Patients with 12 Medications	0	1	1
Patients with 13 Medications	1	1	2
Patients with 14 Medications	1	1	2
Patients with 16 Medications	0	1	1
Patients with 17 Medications	1	0	1
Patients with 19 Medications	1	0	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 462 of 464 Table 17: Concomitant Medication - medications started after randomisation

	Abdominal Massage	Standard Care	Total
All participants	91	100	191
Participants without concomitant medications	59	56	115
All concomitant medications	69	135	204
Patients with 1 Medications	20	17	37
Patients with 2 Medications	7	12	19
Patients with 3 Medications	1	8	9
Patients with 4 Medications	2	2	4
Patients with 5 Medications	0	2	2
Patients with 7 Medications	1	1	2
Patients with 17 Medications	1	0	1
Patients with 21 Medications	0	1	1
Patients with 24 Medications	0	1	1

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosisDate 20JUN2017ConfidentialPage 463 of 464Table 18: Trial Completion

	Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)
Did participant complete the study?						
Yes	75	(82.4%)	94	(94.0%)	169	(88.5%)
No	16	(17.6%)	6	(6.0%)	22	(11.5%)
Total	91	(100.0%)	100	(100.0%)	191	(100.0%)
Timepoint change notified						
Missing	74	(81.3%)	95	(95.0%)	169	(88.5%)
Baseline visit	3	(3.3%)	1	(1.0%)	4	(2.1%)
Call 1	1	(1.1%)	0	(0.0%)	1	(0.5%)
Call 2	1	(1.1%)	0	(0.0%)	1	(0.5%)
Call 3	1	(1.1%)	0	(0.0%)	1	(0.5%)
Call 4	1	(1.1%)	2	(2.0%)	3	(1.6%)
Call 5	2	(2.2%)	0	(0.0%)	2	(1.0%)
Indicated in 6 week follow-up	1	(1.1%)	0	(0.0%)	1	(0.5%)
Indicated in 24 week follow-up	7	(7.7%)	2	(2.0%)	9	(4.7%)
Total	91	(100.0%)	100	(100.0%)	191	(100.0%)
Reason for not completing						
Missing	75	(82.4%)	94	(94.0%)	169	(88.5%)
Lost to Follow Up	4	(4.4%)	2	(2.0%)	6	(3.1%)
Patient withdrew	9	(9.9%)	2	(2.0%)	11	(5.8%)
Other	3	(3.3%)	2	(2.0%)	5	(2.6%)
Total	91	(100.0%)	100	(100.0%)	191	(100.0%)

AMBER - Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis Date 20JUN2017 Confidential Page 464 of 464 Table 18: Trial Completion

	Abdomin	Abdominal Massage		Standard Care		Total	
Variable	Ν	(%)	N	(%)	N	(%)	
Participant withdrew from follo	ow up intervention	phone calls?					
Missing	80	(87.9%)	96	(96.0%)	176	(92.1%)	
Yes	11	(12.1%)	4	(4.0%)	15	(7.9%)	
Total	91	(100.0%)	100	(100.0%)	191	(100.0%)	
Participant withdrew from con	pleting further qu	estionnaires					
Missing	79	(86.8%)	96	(96.0%)	175	(91.6%)	
Yes	12	(13.2%)	4	(4.0%)	16	(8.4%)	
Total	91	(100.0%)	100	(100.0%)	191	(100.0%)	
Participant withdrew consent f	or the trial to use e	xisting trial da	ata				
Missing	87	(95.6%)	97	(97.0%)	184	(96.3%)	
Yes	2	(2.2%)	0	(0.0%)	2	(1.0%)	
No	2	(2.2%)	3	(3.0%)	5	(2.6%)	
Total	91	(100.0%)	100	(100.0%)	191	(100.0%)	
Any follow-up required							
Yes	9	(9.9%)	17	(17.0%)	26	(13.6%)	
No	82	(90.1%)	83	(83.0%)	165	(86.4%)	
Total	91	(100.0%)	100	(100.0%)	191	(100.0%)	
Any protocol deviations?							
Missing	1	(1.1%)	0	(0.0%)	1	(0.5%)	
Yes	14	(15.4%)	9	(9.0%)	23	(12.0%)	
No	76	(83.5%)	91	(91.0%)	167	(87.4%)	
Total	91	(100.0%)	100	(100.0%)	191	(100.0%)	

- calculated values

The CRFs for patients RPH023 and UCH042 indicated in error that they wanted their data to be withdrawn. The error was discovered after database lock and a decision was taken not to re-open the database to change the data.