BMI-SDS	(body mass index	standard deviation	n score)		
Test of effects h	ased on a generali	zed estimating e	nuations (GFF) model	
Fffect	x ²	n-value		.) mouer	
Time	9.6	0.008	0 vs 55 vs	12 months	
Treatment aroun	2.0	0.000	0 03. 0.0 03.		
Time * group	6.6	0.100			
rine group	0.0	0.030			
Estimation of eff	fects based on this	s model	Coefficient	Wald test	Note: this effe
Group difference	in mean change fror	n 0 to 5.5 months	0.335	p = 0.010	is estimated
Group difference	in mean change fror	n 0 to 12 months	0.362	p = 0.096	on the original scale of measurement
Estimation of int	tragroup and inter	aroup effect size	es using Cohe	n's d	These effects
		-group enect size	s using oone	134	are estimated
Intragroup effec	t sizes				relative to
Group	Change	Cohen's d			to their standa
PathMate (PM)	0 to 5.5 mo	-0.336			deviation
Control	0 to 5.5 mo	-0.842			i.e. scale-
PathMate	0 to 12 mo	-0.264			independent.
Control	0 to 12 mo	-0.539			
Intergroup effec	t sizes calculated a	as the difference	between intrag	group effec	t sizes
PM vs. control	0 to 5.5 mo (D1)	0.506			
PM vs. control	0 to 12 mo (D2)	0.275			
Intergroup effec	t sizes calculated a	as Cohen's d for	each time poir	nt	Pooled standa
PM vs. control	0 months (T0)	0.170			deviation
PM vs. control	5.5 months (T1)	0.630			estimated
PM vs. control	12 months (T2)	0.512			from one-way
					analysis of variance.
Sidejump					
Test of effects b	ased on a generali	zed estimating e	quations (GEE) model	
Effect	\mathbf{X}^2	p-value		-	
Time	131.4	<0.001	0 vs. 5.5 vs.	12 months	
Treatment aroup	0.0	0.850			
Time * group	0.4	0.810			
Estimation of ef	fects based on this	s model	Coefficient	Wald test	
Group difference	in mean change fror	n 0 to 5.5 months	1.47	0.519	
Group difference	in mean change from	m 0 to 12 months	0.99	0.744	
Estimation of int	tragroup and inter	-group effect size	es using Cohe	n's d	
			0		
Intragroup effec	t sizes	-			

Group	Change	Cohen's d	
PathMate	0 to 5.5 mo	1.92	

Control	0 to 5.5 mo	1.73
PathMate	0 to 12 mo	2.29
Control	0 to 12 mo	1.64

Intergroup effect sizes calculated as the difference between intragroup effect sizes

PM vs. control	0 to 5.5 mo (D1)	0.19
PM vs. control	0 to 12 mo (D2)	0.65

Intergroup effect sizes calculated as Cohen's d for each time point

PM vs. control	0 months (T0)	0.170
PM vs. control	5.5 months (T1)	0.630
PM vs. control	12 months (T2)	0.512

Tap test (time)

Test of effects based on a generalized estimating equations (GEE) model

Effect	X^2	p-value	
Time	69.9	<0.001	0 vs. 5.5 vs. 12 months
Treatment group	0.1	0.813	
Time * group	7.3	0.026	

Estimation of effects based on this model	Coefficient	Wald test
Group difference in mean change from 0 to 5.5 months	-0.52	0.178
Group difference in mean change from 0 to 12 months	-1.13	0.007

Estimation of intragroup and inter-group effect sizes using Cohen's d

Intragroup effect sizes

Group	Change	Cohen's d	
PathMate	0 to 5.5 mo	-1.413	
Control	0 to 5.5 mo	-1.023	
PathMate	0 to 12 mo	-1.742	
Control	0 to 12 mo	-1.493	

Intergroup effect sizes calculated as the difference between intragroup effect sizes

PM vs. control	0 to 5.5 mo (D1)	-0.39
PM vs. control	0 to 12 mo (D2)	-0.249

Intergroup effect sizes calculated as Cohen's d for each time point

PM vs. control	0 months (T0)	0.283
PM vs. control	5.5 months (T1)	0.117
PM vs. control	12 months (T2)	-0.104

Run

Test of effects based on a generalized estimating equations (GEE) model

Effect	X ²	p-value	
Time	10.9	0.004	0 vs. 5.5 vs. 12 months
Treatment group	3.6	0.059	
Time * group	2.2	0.339	

Estimation of effects based on this model	Coefficient	Wald test
Group difference in mean change from 0 to 5.5 months	-0.047	0.168
Group difference in mean change from 0 to 12 months	-0.055	0.198

Estimation of intragroup and inter-group effect sizes using Cohen's d

Intragroup effect sizes

Group	Change	Cohen's d
PathMate	0 to 5.5 mo	0.385
Control	0 to 5.5 mo	0.723
PathMate	0 to 12 mo	0.448
Control	0 to 12 mo	0.65

Intergroup effect sizes calculated as the difference between intragroup effect sizes

PM vs. control	0 to 5.5 mo (D1)	-0.338
PM vs. control	0 to 12 mo (D2)	-0.202

Intergroup effect sizes calculated as Cohen's d for each time point

PM vs. control	0 months (T0)	-0.362
PM vs. control	5.5 months (T1)	-0.767
PM vs. control	12 months (T2)	-0.656

One leg balance (failures, square-root transformed)

Test of effects based on a generalized estimating equations (GEE) model

Effect	X ²	p-value	
Time	4.8	0.090	0 vs. 5.5 vs. 12 months
Treatment group	3.1	0.078	
Time * group	5	0.080	

Estimation of effects based on this model	Coefficient	Wald test
Group difference in mean change from 0 to 5.5 months	0.022	0.948
Group difference in mean change from 0 to 12 months	-0.414	0.693

Estimation of intragroup and inter-group effect sizes using Cohen's d

Intragroup ef	fect sizes		
Group	Change	Cohen's d	Note: Given the data distribution
PathMate	0 to 5.5 mo	-0.304	(many zeroes), this
Control	0 to 5.5 mo	-0.304	analysis is not meaningful.
PathMate	0 to 12 mo	-0.5	
Control	0 to 12 mo		Calculation not possible because the standard deviation is 0.

Intergroup effect sizes calculated as the difference between intragroup effect sizes PM vs. control 0 to 5.5 mo (D1) 0

PM vs. control	0 to 5.5 mo (D1)
PM vs. control	0 to 12 mo (D2)

Intergroup effect sizes calculated as Cohen's d for each time point

PM vs. control	0 months (T0)	0.575
PM vs. control	5.5 months (T1)	0.629
PM vs. control	12 months (T2)	0.204

Jump distance

Test of effects based on a generalized estimating equations (GEE) model

Effect	X ²	p-value	
Time	15.4	0.005	0 vs. 5.5 vs. 12 months
Treatment group	1.9	0.167	
Time * group	2.4	0.301	

Estimation of effects based on this model	Coefficient	Wald test
Group difference in mean change from 0 to 5.5 months	-2.826	0.563
Group difference in mean change from 0 to 12 months	-9.391	0.194

Estimation of intragroup and inter-group effect sizes using Cohen's d

Intragroup effect sizes

Group	Change	Cohen's d
PathMate	0 to 5.5 mo	0.656
Control	0 to 5.5 mo	0.691
PathMate	0 to 12 mo	0.622
Control	0 to 12 mo	0.84

Intergroup effect sizes calculated as the difference between intragroup effect sizes

PM vs. control	0 to 5.5 mo (D1)	-0.035
PM vs. control	0 to 12 mo (D2)	-0.218

Intergroup effect sizes calculated as Cohen's d for each time point

PM vs. control	0 months (T0)	-0.385
PM vs. control	5.5 months (T1)	-0.503
PM vs. control	12 months (T2)	-0.727

Situps

Test of effects based on a generalized estimating equations (GEE) model

Effect	X ²	p-value	
Time	28.2	<0.001	0 vs. 5.5 vs. 12 months
Treatment group	0.5	0.480	
Time * group	3.5	0.170	

Estimation of effects based on this model	Coefficient	Wald test
Group difference in mean change from 0 to 5.5 months	-1.475	0.267
Group difference in mean change from 0 to 12 months	-0.344	0.836

Estimation of intragroup and inter-group effect sizes using Cohen's d

Intragroup effect sizes

Group	Change	Cohen's d
PathMate	0 to 5.5 mo	0.522
Control	0 to 5.5 mo	0.983
PathMate	0 to 12 mo	0.978
Control	0 to 12 mo	0.963

Intergroup effect sizes calculated as the difference between intragroup effect sizes

PM vs. control	0 to 5.5 mo (D1)	-0.461
PM vs. control	0 to 12 mo (D2)	0.015

Intergroup effect sizes calculated as Cohen's d for each time point

PM vs. control	0 months (T0)	-0.131
PM vs. control	5.5 months (T1)	-0.489
PM vs. control	12 months (T2)	-0.504

Pushup

Test of effects based on a generalized estimating equations (GEE) model			
Effect	X ²	p-value	
Time	46.6	<0.001	0 vs. 5.5 vs. 12 months
Treatment group	1.7	0.190	
Time * group	0.2	0.920	

Estimation of effects based on this model	Coefficient	Wald test
Group difference in mean change from 0 to 5.5 months	0.165	0.852
Group difference in mean change from 0 to 12 months	-0.089	0.932

Estimation of intragroup and inter-group effect sizes using Cohen's d

Intragroup effect sizes

Group	Change	Cohen's d
PathMate	0 to 5.5 mo	0.867
Control	0 to 5.5 mo	1.196
PathMate	0 to 12 mo	1.069
Control	0 to 12 mo	1.969

Intergroup effect sizes calculated as the difference between intragroup effect sizes

PM vs. control	0 to 5.5 mo (D1)	-0.329
PM vs. control	0 to 12 mo (D2)	-0.9

Intergroup effect sizes calculated as Cohen's d for each time point

PM vs. control	0 months (T0)	-0.444
PM vs. control	5.5 months (T1)	-0.370
PM vs. control	12 months (T2)	-0.522

Reach flexibility

Test of effects based on a generalized estimating equations (GEE) model

Effect	X ²	p-value	
Time	27.2	<0.001	0 vs. 5.5 vs. 12 months
Treatment group	0.2	0.630	
Time * group	8.7	0.010	

Estimation of effects based on this model	Coefficient	Wald test
Group difference in mean change from 0 to 5.5 months	2.9	0.006
Group difference in mean change from 0 to 12 months	1.25	0.437

Estimation of intragroup and inter-group effect sizes using Cohen's d

Intragroup effect sizes

Group	Change	Cohen's d
PathMate	0 to 5.5 mo	1.261
Control	0 to 5.5 mo	0.608
PathMate	0 to 12 mo	0.542
Control	0 to 12 mo	0.295

Intergroup effect sizes calculated as the difference between intragroup effect sizes

PM vs. control	0 to 5.5 mo (D1)	0.653
PM vs. control	0 to 12 mo (D2)	0.247

Intergroup effect sizes calculated as Cohen's d for each time point

PM vs. control	0 months (T0)	-0.340
PM vs. control	5.5 months (T1)	0.130
PM vs. control	12 months (T2)	-0.008