

Author	Condition	Mean Age (years)		Number randomised	Monitoring	Study duration and outcome measure	Quality score	Baseline % adherence		Final visit % adherence		Change in Adherence (%)		p value	% Effect Size
		I	C					I	C	I	C	I	C		
Burgess ^a	Asthma	9.1	9.3	26	Electronic	12 wk Mean %	6	77.50	58.00	84.20	55.30	6.7	-2.7	<0.01	9.40 ^a
Oniyirimba ^a	Asthma	45.0	53.0	30	Electronic	10 wk Mean %	5	61.00	51.00	76.00	27.00	15	-24	<0.0001	39.00 ^a
Smith ^b	HIV/AIDS	Not provided ^c		43	Electronic	12 wk Mean %	4	74.00	70.00	96.00	38.00	22	-32	0.0017	54.00 ^b
Sabin ^a	HIV/AIDS	36.1	35.1	68	Electronic	12 mo Mean %	5	86.80	83.8	96.50	84.50	9.7	0.7	0.0030	9.00 ^a
Rigsby ^b	HIV/AIDS	44.6	47.2	55	Electronic	12 wk Mean %	4	68.00	68.00	55.00	65.00	-13	-3	0.79	-10.00 ^b
Rosen ^a	HIV/AIDS	45.8	42.2	56	Electronic	32 wk Mean %	4	62.00	60.00	65.00	47.00	3	-13	0.01	16.00 ^a
Kalichman ^a	HIV/AIDS	51.1	50.9	40	Pill count	12 wk Mean	6	87.40	91.00	94.10	87.80	6.7	-3.2	<0.01	9.90 ^a
Mooney	Smoking	42.1 ^d		55	Electronic	7 wk	5							<0.0001	
Schmitz	Smoking	48.9	48.1	97	Electronic	7 wk	4							0.0001	
Elixhauser ^b	Mental Health	49.1 ^d		93	Electronic	4-8 mo Percentage complied	4	50.00	52.00	48.40	62.20	-1.6	10.2	>0.05	-11.80 ^b
Kozuki ^b	Mental Health	46.5 ^d		30	Electronic	12 wk Mean rate	5	78.40	88.50	87.90	68.40	9.5	-20.1	0.026	29.60 ^b

Cramer	Mental Health	46	48	81	Electronic	6 mo	3							0.08	
Russell	Post-transplant surgery	51.5	44.0	15	Electronic	9 mo	4							0.03	
Hardstaff	Post-transplant surgery	Not provided		48	Electronic	12 mo	3							e	
Ruppar^b	Hypertension	72.5	73.0	15	Electronic	20 wk <i>Median adherence</i>	4	75.50	34.10	94.30	40.00	18.8	5.9	0.01	12.90 ^b
Wu^b	Heart failure	63.6	58.6	82	Electronic	10 mo <i>Mean rate</i>	4	96.00	94.00	94.00	84.00	-2	-10	0.021	8.00 ^b
Duncan	Heart failure	66.0 ^d		13	Subjective	12 wk	3							<0.05	
Kung	Osteoporosis	65.6	66.3	596	Subjective	12 mo	5							0.16	
Lai ^a	Osteoporosis	65.3	67.1	198	Subjective	12 mo <i>Mean</i>	5	96.85	97.38	97.97	96.17	1.12	-1.21	<0.05	2.33 ^a
El Miedany	Rheumatoid arthritis	50.5	51.0	111	Subjective	12 mo	5							<0.01	
Nadeem	Sleep apnoea	57.3	55.5	40	Electronic	1 mo	4							0.61	
Watson	Exercise	44.1	40.6	70	Electronic	12 wk	3							0.07	
Shakudo	Exercise	39.3	40.4	105	Electronic	12 wk	5							0.36	

Reddy	Statin	65.6	64.1	126	Electronic	13 wk	7							0.001	
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The % Effect Size is the difference between the intervention and control arms, in the change in % adherence of baseline and follow-up. Columns with no values are where baseline and final visit adherence were not reported in the paper but statistical analysis was performed.

I = intervention group

C = control group

^a included in meta-analysis

^b not included in meta-analysis as no Standard Deviation or Standard Error values were reported

^c age range = 20-50 years
(p<0.05)

^d mean age of all participants

^e statistical analysis not performed

Boldface indicates statistical significance