Study	Intervention n	Mean	SD	Control n	Mean	SD	Mean difference (95% CI)	% Weight
Abraham 2021	58	38.3	5.3	53	41	6.1	-2.70 (-4.83 to -0.57)	2.74
Anderson 2019	21	32	4	21	37	7	-5.00 (-8.45 to -1.55)	2.14
Bally 2017	29	35.3	3	28	40.3	5.1	-5.00 (-7.18 to -2.82)	2.72
Benhamou 2019	63	31	3.9	63	33.3	3.9	-2.30 (-3.66 to -0.94)	3.05
Benhamou 2021	5	26.6	.7	5	31.5	.7	-4.90 (-5.77 to -4.03)	3.20
Biester 2019	34	35	6	34	33	4	2.00 (-0.42 to 4.42)	2.61
Blauw 2021	23	28.6	2.4	23	35.9	6	-7.30 (-9.94 to -4.66)	2.51
Boughton 2023	26	38.7	4.4	24	35.3	4.4	3.40 (0.96 to 5.84)	2.60
Boughton 2022a	42	46	9	30	41	8	5.00 (1.05 to 8.95)	1.93
Boughton 2022b	36	32.5	4.2	37	32.7	4.5	-0.20 (-2.20 to 1.80)	2.80
Breton 2020	78	38	4	23	39	4	-1.00 (-2.86 to 0.86)	2.86
Brown 2020	54	34	4	55	35	5	-1.00 (-2.70 to 0.70)	2.93
Brown 2019	112	34	5	56	36	5	-2.00 (-3.60 to -0.40)	2.96
Burckhardt 2021	16	34	6	16	42	7	-8.00 (-12.52 to -3.48)	1.70
Burnside 2022a	20	39.7	5.2	27	37.4	5.9	2.30 (-0.89 to 5.49)	2.26
Burnside 2022b	22	34.1	3.8	26	35.3	5.3	-1.20 (-3.78 to 1.38)	2.53
Choudhary 2022	36	35.5	4.46	31	35.9	5.74	-0.40 (-2.89 to 2.09)	2.58
Ekhlaspour 2019	24	34.2	6.1	24	33.9	8.4	0.30 (-3.85 to 4.45)	1.84
El-Khatib 2017	39	35.9	5.1	39	38.8	6	-2.90 (-5.37 to -0.43)	2.59
Forlenza 2019	12	32.6	4.1	12	33.3	5.4	-0.70 (-4.54 to 3.14)	1.97
Hovorka 2014	16	33.7	8.9	16	33	8.9	0.70 (-5.47 to 6.87)	1.20
Kovatchev 2020	64	37	5	61	38	5	-1.00 (-2.75 to 0.75)	2.90
Leelarathna 2014	17	31.6	8.2	17	35.4	8.2	-3.80 (-9.31 to 1.71)	1.38
Matejko 2022	20	30.6	4.7	17	40.7	6.3	-10.10 (-13.73 to -6.47)	2.06
McAuley 2020	61	34.7	4.5	59	39.3	5.4	-4.60 (-6.38 to -2.82)	2.89
McAuley 2022	30	31.7	3.1	30	34.8	2.5	-3.10 (-4.53 to -1.67)	3.03
McVean 2023	59	34	6	47	33	5	1.00 (-1.09 to 3.09)	2.76
Pinsker 2022	35	34.5	5.3	35	34.9	5.7	-0.40 (-2.98 to 2.18)	2.54
Russell 2022	219	36	5	107	37	5	-1.00 (-2.16 to 0.16)	3.12
Russell 2014a	20	40	8	20	43	8	-3.00 (-7.96 to 1.96)	1.55
Russell 2014b	32	39	7	32	40	8	-1.00 (-4.68 to 2.68)	2.04
Russell 2016	19	37	9	19	45	8	-8.00 (-13.41 to -2.59)	1.41
Tauschmann 2016a	12	42.1	8.1	12	39.6	5.9	2.50 (-3.17 to 8.17)	1.33
Tauschmann 2016b	12	42	4.2	12	40.3	5	1.70 (-1.99 to 5.39)	2.03
Tauschmann 2018	46	40	4	40	40	4	0.00 (-1.69 to 1.69)	2.93
Thabit 2014	24	33.7	3.7	24	32.2	3.2	1.50 (-0.46 to 3.46)	2.82
Thabit 2015b	32	39	4	33	39	4	0.00 (-1.95 to 1.95)	2.82
Thabit 2015c	25	45	5	24	43	5	2.00 (-0.80 to 4.80)	2.43
Wadwa 2023	68	39	5	34	39	5	0.00 (-2.06 to 2.06)	2.77
Ware 2022a	73	41	3.03	74	41	4.54	0.00 (-1.25 to 1.25)	3.09
Ware 2022b	48	46.58	7.59	62	44.39	7.78	2.19 (-0.70 to 5.08)	2.39
Total (95% CI)	1682			1402			-1.31 (-2.16 to -0.47)	100.00

Heterogeneity: Tau²=5.62; Chi²=236.82, df=40 (P<0.001); I²=83.1%
Test for overall effect: Z=3.04 (P=0.002)

-13.7   Favours automated insulin delivery systems   0   Favours control   13.7

Supplementary Fig. 5. Forest plot for coefficient of variation comparing automated insulin delivery systems with other insulin-based treatment. SD, standard deviation; CI, confidence interval.