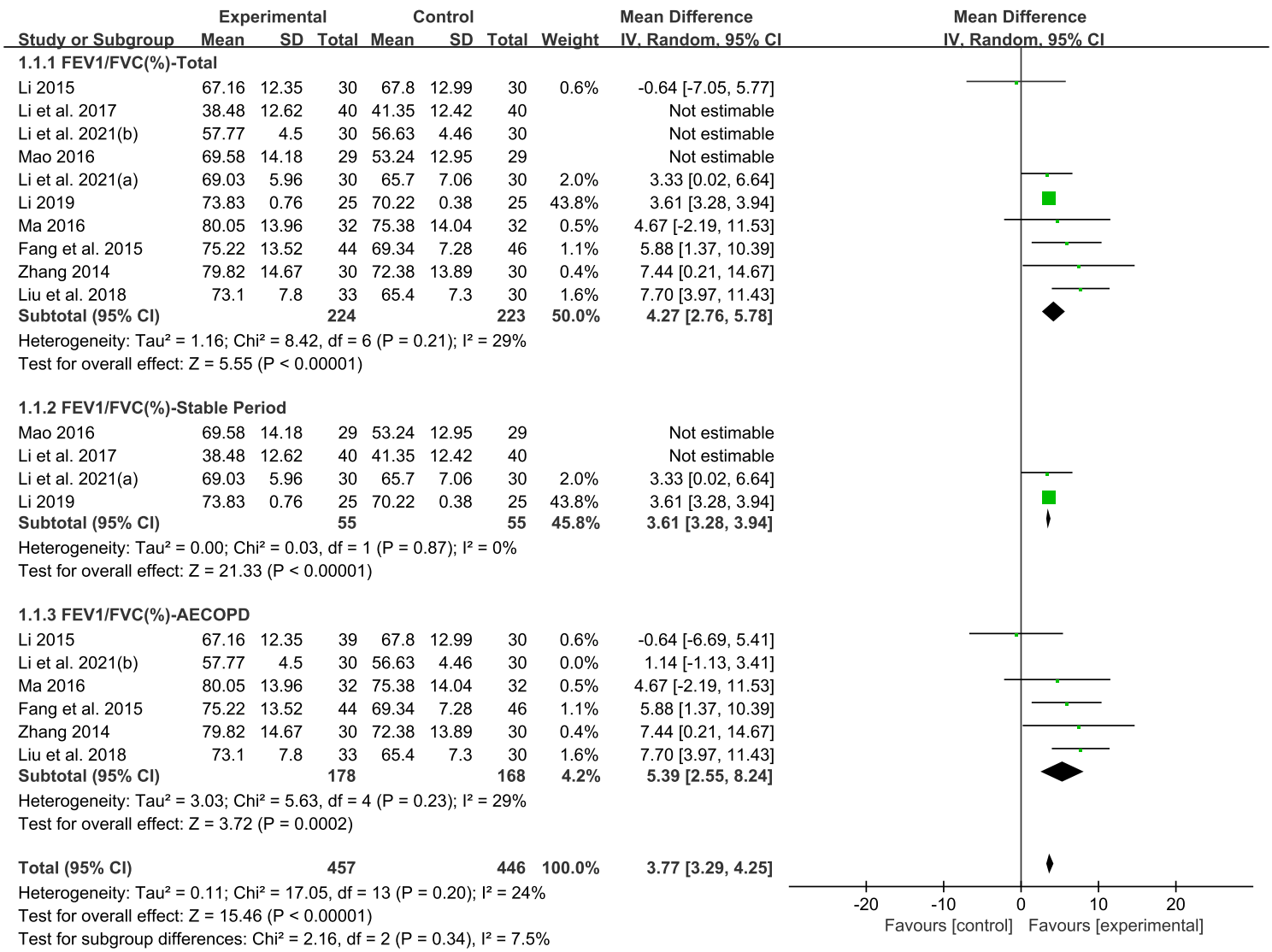
Experimental
Control
Mean Difference
Mean Difference
Study or Subgroup Mean SD Total Mean SD Total Weight IV, Random, 95% CI
IV, Random, 95% CI
1.1.1 FEV1/FVC(%)-Total
Li 2015 67.16 12.35 30 67.8 12.99 30 0.6% -0.64 [-7.05, 5.77]
Li et al. 2017 38.48 12.62 40 41.35 12.42 40 Not estimable
Li et al. 2021(b) 57.77 4.5 30 56.63 4.46 30 Not estimable
Mao 2016 69.58 14.18 29 53.24 12.95 29 Not estimable
Li et al. 2021(a) 69.03 5.96 30 65.7 7.06 30 2.0% 3.33 [0.02, 6.64]
Li 2019 73.83 0.76 25 70.22 0.38 25 43.8% 3.61 [3.28, 3.94]
Ma 2016 80.05 13.96 32 75.38 14.04 32 0.5% 4.67 [-2.19, 11.53]
Fang et al. 2015 75.22 13.52 44 69.34 7.28 46 1.1% 5.88 [1.37, 10.39]
Zhang 2014 79.82 14.67 30 72.38 13.89 30 0.4% 7.44 [0.21, 14.67]
Liu et al. 2018 73.1 7.8 33 65.4 7.3 30 1.6% 7.70 [3.97, 11.43]
Subtotal (95% CI) 224 223 50.0% 4.27 [2.76, 5.78]
Heterogeneity: Tau² = 1.16; Chi² = 8.42, df = 6 (P = 0.21); I² = 29%
Test for overall effect: Z = 5.55 (P < 0.00001)
1.1.2 FEV1/FVC(%)-Stable Period
Mao 2016 69.58 14.18 29 53.24 12.95 29 Not estimable
Li et al. 2017 38.48 12.62 40 41.35 12.42 40 Not estimable
Li et al. 2021(a) 69.03 5.96 30 65.7 7.06 30 2.0% 3.33 [0.02, 6.64]
Li 2019 73.83 0.76 25 70.22 0.38 25 43.8% 3.61 [3.28, 3.94]
Subtotal (95% CI) 55 55 45.8% 3.61 [3.28, 3.94]
Heterogeneity: Tau² = 0.00; Chi² = 0.03, df = 1 (P = 0.87); I² = 0%
Test for overall effect: Z = 21.33 (P < 0.00001)
1.1.3 FEV1/FVC(%)-AECOPD
Li 2015 67.16 12.35 39 67.8 12.99 30 0.6% -0.64 [-6.69, 5.41]
Li et al. 2021(b) 57.77 4.5 30 56.63 4.46 30 0.0% 1.14 [-1.13, 3.41]
Ma 2016 80.05 13.96 32 75.38 14.04 32 0.5% 4.67 [-2.19, 11.53]
Fang et al. 2015 75.22 13.52 44 69.34 7.28 46 1.1% 5.88 [1.37, 10.39]
Zhang 2014 79.82 14.67 30 72.38 13.89 30 0.4% 7.44 [0.21, 14.67]
Liu et al. 2018 73.1 7.8 33 65.4 7.3 30 1.6% 7.70 [3.97, 11.43]
Subtotal (95% CI) 178 168 4.2% 5.39 [2.55, 8.24]
Heterogeneity: Tau² = 3.03; Chi² = 5.63, df = 4 (P = 0.23); I² = 29%
Test for overall effect: Z = 3.72 (P = 0.0002)
Total (95% CI) 457 446 100.0% 3.77 [3.29, 4.25]
Heterogeneity: Tau² = 0.11; Chi² = 17.05, df = 13 (P = 0.20); I² = 24%
Test for overall effect: Z = 15.46 (P < 0.00001)
Test for subgroup differences: Chi² = 2.16, df = 2 (P = 0.34), I² = 7.5%
-20
-10
0
10
20
Favours [control]
Favours [experimental]