

Difference between count NMA estimated relative effect compared to placebo and ranks

Ranks in *italics*, and bold diagonal is relative effect and rank compared to placebo

Intervention	Antioxidants	Carob	Coenzyme Q10	Coenzyme-Q10 + L-carnitine + lycopene + zinc high dose	Coenzyme-Q10 + L-carnitine + lycopene + zinc low dose	Folic acid	Herb/Mineral supplement	L-carnitine/L-acetylcarnitine	L-carnitine+L-carnitine	Magnesium	Micronutrient supplement	Minerals	Myoinositol	N-acetyl cysteine	Nigella sativa seed oil	Omega-3 fatty acids	Omega-3s + vitamins	Prelox	Saffron	Selenium supplements	Spirulina	Vitamin C/E	Vitamin D3	Vitamin D3 + calcium	Vitamin/Minerl supplements	Walnuts	Zinc/Zinc + folic acid	Placebo/No treatment	
Antioxidants	<b>6.78</b> <b>(-0.38, 13.48)</b> <b>10 (2, 22)</b>	-5.76 (-9.24, -2.92) 9 (6, 9)	-5.5 (-4.65, -5.83) 9 (6, 9)	3.77 (0.25, 7.65) 4 (-1, 1)	2.57 (1.27, 5.46) 2 (-1, 1)	-0.13 (-0.6, 0.78) 0 (0, 0)	-1.6 (7.8, 4.85) 3 (1, 3)	-5.12 (-2.1, -7.76) 8 (6, 3)	4.29 (5.01, 3.74) 7 (0, 6)	-3.51 (-12.1, 2.88) 5 (0, 3)	-4.28 (-6.09, 1.44) 9 (2, 4)	-5.34 (-8.78, -1.55) 8 (2, 5)	-2.79 (-6.26, 0.61) 7 (1, 5)	-4.29 (-7.11, -0.99) 7 (1, 5)	2.8 (-3.88, -8.89) 7 (5, 3)	-4.19 (-2.1, -5.85) 11 (0, 3)	-0.72 (-2.72, 0.1) 2 (0, 3)	-0.72 (-2.1, 1.25) 11 (4, 6)	3.24 (-0.71, 7.5) 3 (-1, 0)	-7.32 (-10.95, 3.61) 7 (4, 3)	-1.51 (-2.72, 0.1) 2 (0, 3)	-14.79 (-22.4, -6.84) 16 (8, 6)	-3.03 (-2.09, -3.46) 5 (3, 6)	-7.15 (8.5, -5.35) 11 (5, 6)	-10.22 (-13.42, -6.16) 14 (6, 6)	2.45 (0.65, 4.44) 3 (1, 2)	-3.65 (-12.06, 5.49) 7 (6, 3)	-4.39 (-2.45, -5.95) 7 (6, 3)	NA 12 (16, 3)
Carob	5.76 (9.24, 1.92) -9 (-2, -6)	<b>1.03</b> <b>(-9.62, 11.55)</b> <b>19 (4, 29)</b>	0.26 (4.59, -3.91) 0 (-4, -)	9.52 (9.48, 9.57) -12 (-3, -7)	8.33 (7.97, 8.38) -11 (-3, -5)	5.62 (8.64, 2.7) -8 (-2, -5)	4.16 (1.44, 6.78) -5 (-3, -)	0.64 (7.14, -5.84) 0 (6, -3)	10.04 (14.25, 5.66) -14 (-3, -16)	0.96 (-2.86, 4.8) -2 (-2, 0)	1.48 (1.22, 3.46) -3 (-2, -)	0.42 (0.45, 0.37) 0 (0, 0)	2.96 (2.98, 2.54) -4 (-2, -)	1.57 (2.13, 0.93) -2 (-1, -)	8.56 (5.36, 11.81) -10 (-3, -2)	1.57 (7.14, -3.92) -2 (-4, -3)	5.04 (6.82, 3.17) -7 (-2, -3)	9 (8.53, 9.43) 2 (2, 0)	-1.57 (-1.71, -1.69) 2 (0, 0)	4.25 (6.52, 2.02) -6 (-2, -3)	9.04 (-13.16, -4.92) 7 (6, 0)	2.73 (7.14, -1.53) -4 (-1, -3)	1.39 (0.74, -3.43) 2 (3, 0)	-4.46 (-4.18, -4.23) 5 (4, 0)	8.21 (9.89, 6.36) -3 (-3, 0)	2.11 (-2.82, 7.42) -3 (-3, 0)	1.36 (6.79, -4.02) -1 (-4, -3)	NA 3 (14, -3)	
Coenzyme Q10	5.5 (4.65, 5.83) -9 (-6, -5)	-0.26 (-4.59, 3.91) 0 (-4, -)	<b>1.28</b> <b>(-5.03, 7.64)</b> <b>19 (6, 28)</b>	9.27 (3.38, 12.29) -13 (-7, -6)	8.07 (3.38, 12.29) -11 (-7, -4)	5.37 (4.05, 6.61) -9 (-6, -4)	3.9 (-3.15, 10.68) -6 (-7, -2)	0.38 (2.55, 1.93) 0 (2, -2)	9.79 (9.66, 9.57) -14 (-7, -15)	0.71 (-7.45, 8.71) -2 (-4, -)	1.99 (-3.37, 7.37) -3 (-6, 0)	0.16 (-4.14, 4.28) -1 (-4, 1)	2.71 (-1.61, 6.44) -4 (-6, 0)	1.21 (-2.46, 4.84) -2 (-5, 0)	8.3 (0.76, 15.72) -11 (-7, -1)	1.31 (2.55, -0.01) -2 (-6, -2)	4.78 (2.23, 7.08) -7 (-6, -2)	8.74 (3.94, 13.33) -12 (-7, -5)	-1.82 (1.93, 5.93) 2 (-2, 1)	3.99 (-1.75, 1.01) 7 (2, 1)	-9.29 (2.55, 2.37) 7 (2, 1)	2.47 (-3.86, 0.48) 2 (-1, 1)	-1.65 (-8.77, -0.32) 5 (0, 1)	-4.72 (5.3, 10.27) -12 (-7, -7)	7.95 (-7.41, 11.33) -3 (-7, -)	1.85 (2.2, -0.12) -2 (-0, -2)	1.11 (2.2, -0.12) -2 (-0, -2)	NA 3 (10, -2)	
Coenzyme-Q10 + L-carnitine + lycopene + zinc high dose	-3.77 (-0.25, 7.65) 4 (1, 1)	-9.52 (-9.48, -9.57) 13 (7, 6)	-9.27 (-4.89, -13.48) 13 (7, 6)	<b>10.55</b> <b>(-0.14, 21.13)</b> <b>7 (1, 22)</b>	-1.19 (-1.51, -1.19) 1 (0, 2)	-3.9 (-0.84, -6.87) 7 (0, 6)	-5.37 (-8.05, 2.8) 7 (0, 6)	-8.89 (-2.34, -15.41) 12 (9, 4)	0.52 (4.76, -3.91) -2 (-0, -9)	-8.56 (-12.34, -4.77) 11 (1, 7)	-7.28 (-8.27, -6.11) 9 (1, 6)	-8.05 (-9.03, -9.2) 12 (3, 7)	-9.1 (-6.5, -7.04) 8 (1, 4)	-8.05 (-7.35, -8.64) 10 (2, 6)	-0.96 (-4.13, 2.24) 2 (0, 5)	-7.95 (-2.34, -13.5) 10 (7, 4)	-4.49 (-2.67, -6.4) 5 (1, 4)	-0.53 (-0.96, -0.15) 1 (0, 1)	-11.09 (-11.19, -11.26) 14 (5, 7)	-5.28 (-2.96, -7.55) 8 (4, 4)	-18.56 (-22.64, -14.49) 20 (9, 7)	-6.8 (-2.34, -11.11) 15 (6, 7)	-10.92 (-8.75, 13) 16 (6, 7)	-13.98 (-13.66, -13.81) 17 (7, 7)	-1.32 (0.41, -3.21) 1 (0, -1)	-7.42 (-12.3, -2.16) 9 (0, 7)	-8.16 (-2.69, -13.6) 11 (7, 4)	NA 15 (17, 4)	
Coenzyme-Q10 + L-carnitine + lycopene + zinc low dose	-2.57 (1.27, -6.46) 2 (1, -1)	-8.33 (-7.97, -8.38) 11 (3, 5)	-8.07 (-3.38, -12.29) 11 (7, 4)	1.19 (1.51, 1.19) -1 (-0, -2)	<b>9.36</b> <b>(-1.65, 19.93)</b> <b>8 (1, 24)</b>	-2.71 (0.67, -5.68) 3 (1, 0)	-4.18 (-6.53, -1.6) 5 (0, 4)	-7.7 (-0.83, -14.22) 11 (9, 2)	1.71 (6.27, -2.72) -3 (-0, -1)	-7.37 (-10.83, -3.58) 9 (1, 6)	-6.09 (-6.75, -4.92) 8 (1, 4)	-7.91 (-7.52, -8.01) 10 (3, 5)	-5.37 (-4.99, -5.84) 7 (1, 4)	-6.86 (-5.84, -7.45) 9 (2, 4)	0.23 (-2.62, 3.43) 1 (0, 3)	-6.76 (-0.83, -12.3) 9 (7, 2)	-3.3 (-1.15, -5.21) 1 (0, -1)	0.67 (0.55, 1.05) 1 (0, -1)	-9.9 (-9.68, -10.07) 13 (5, 5)	-4.09 (-1.45, -6.36) 5 (1, 2)	-17.37 (-21.13, 13.3) 18 (19, 5)	-5.6 (-0.83, -9.91) 7 (4, 2)	-9.73 (-7.24, -11.81) 13 (6, 5)	-12.79 (-12.15, -12.61) 16 (1, 5)	-0.12 (1.92, -2.02) 0 (0, -3)	-6.22 (-10.79, -0.96) 8 (0, 5)	-6.97 (-1.18, -12.4) 10 (7, 2)	NA 14 (17, 2)	
Folic acid	0.13 (0.6, -0.78) 0 (0, -1)	-5.62 (-8.64, -2.7) 8 (2, 5)	-5.37 (-4.05, -6.61) 9 (6, 4)	3.9 (0.84, 6.87) -4 (-1, -2)	2.71 (-0.67, 5.68) -3 (-1, 0)	<b>6.65</b> <b>(-0.98, 14.25)</b> <b>10 (2, 24)</b>	-1.47 (-7.2, 4.07) 3 (-1, 4)	-4.99 (-1.5, -8.54) 8 (8, 2)	4.42 (5.61, 2.96) -6 (-1, -1)	-2.66 (-7.42, 0.76) 5 (0, 4)	-4.14 (-5.49, -2.22) 6 (1, 4)	-5.2 (-8.16, -2.33) 8 (2, 5)	-2.66 (-5.66, -0.17) 4 (0, 4)	-4.15 (-6.51, -1.77) 6 (1, 4)	2.94 (-3.28, 9.11) -2 (-1, 3)	-4.05 (-1.82, 0.47) 6 (6, 2)	-0.59 (-1.82, 0.47) 1 (0, 2)	3.37 (-0.11, 6.72) 10 (4, 5)	-7.19 (-10.35, -4.39) 10 (4, 5)	-1.38 (-2.12, -0.68) 2 (0, 2)	-14.66 (-21.8, -7.62) 16 (8, 5)	-2.9 (-1.49, -4.24) 4 (3, 2)	-7.02 (-7.9, -6.13) 11 (5, 5)	-10.08 (-12.82, -6.93) 13 (6, 5)	2.59 (1.25, 3.66) -3 (-1, -3)	-3.51 (-11.46, 4.72) 5 (1, 5)	-4.26 (-1.85, -6.73) 7 (6, 2)	NA 11 (16, 2)	
Herb/Mineral supplement	1.6 (7.8, -4.85) -3 (-1, -5)	-4.16 (-1.44, -6.78) 5 (3, 1)	-3.9 (3.15, -10.68) 2 (6, -1)	5.37 (8.05, 2.8) -7 (0, -6)	4.18 (6.53, 1.6) -5 (0, -4)	1.47 (7.2, -4.07) -3 (0, -1)	<b>5.18</b> <b>(-8.18, 18.33)</b> <b>13 (1, 28)</b>	-3.52 (5.7, -12.61) 5 (9, -2)	5.89 (12.81, -1.11) 4 (1, 1)	-3.19 (-4.3, -1.97) 4 (1, 1)	-1.91 (-0.22, -3.32) 2 (1, 0)	-2.68 (-0.98, -6.4) 4 (2, 0)	-3.73 (1.54, -4.24) 4 (2, 0)	-2.68 (0.69, -5.84) 4 (2, 0)	4.41 (3.92, 5.04) 2 (0, -2)	-2.58 (5.7, -10.7) -6 (-0, -5)	0.88 (5.38, 3.6) -2 (-1, -2)	4.84 (7.09, 2.65) 2 (4, -2)	-1.43 (-3.15, -8.46) 8 (5, 1)	0.09 (5.08, -4.75) 1 (0, -2)	-13.19 (-14.59, -11.69) 13 (9, 1)	-1.43 (5.71, -8.31) 7 (1, 1)	-5.55 (-0.7, -10.2) 8 (6, 1)	-8.61 (-5.61, -11.01) 3 (0, 1)	4.05 (8.45, -0.41) -6 (-0, -7)	-2.05 (-4.26, 0.64) 3 (0, 1)	-2.79 (5.35, -10.8) 4 (7, -2)	NA 9 (17, -2)	
L-carnitine/L-acetylcarnitine	5.12 (-8, -3)	-0.64 (-7.14, 5.84) 0 (6, -3)	0.38 (-2.55, 1.93) 0 (2, -2)	8.89 (2.34, 15.41) -12 (-9, -4)	8.89 (0.83, 14.22) -11 (-9, -2)	7.7 (1.5, 8.54) -8 (-8, -2)	4.99 (5.7, 12.61) -5 (2, -2)	1.66 (-2.48, 5.71) <b>19 (10, 26)</b>	0.41 (11, 11.5) -1 (8, 3)	0.33 (-10, 10.64) -1 (8, 3)	0.84 (-6.69, 8.21) -3 (6, 2)	-0.22 (-5.92, 5.32) -2 (7, -2)	2.33 (-4.16, 8.37) -4 (8, 2)	0.83 (-5.01, 6.77) -2 (7, -2)	7.92 (-1.79, 17.65) -2 (0, -2)	0.93 (0.1, 1.91) -2 (0, 0)	4.4 (-1.39, 15.26) -6 (8, 0)	3.61 (-0.62, 7.86) -4 (5, 0)	9.61 (-9.85, 4.15) -4 (5, 0)	2.09 (0.4, 4.3) 2 (3, 3)	2.03 (-6.41, 2.41) 4 (5, 0)	-5.1 (-11.32, 1.61) 5 (2, 3)	-7.57 (-11.32, 1.61) -3 (9, 3)	1.47 (2.75, 12.2) -1 (0, -1)	1.73 (-9.96, 13.26) -3 (9, 3)	0.21 (-0.35, 1.81) -1 (2, 0)	NA 3 (8, 0)		
L-carnitine+cinno	-4.29 (-5.01, -3.74) 5 (1, 10)	-10.04 (-14.25, -5.66) 14 (16, 9)	-9.79 (-9.66, -9.57) 14 (7, 15)	-0.52 (-4.76, 3.91) 2 (0, 9)	-1.71 (-6.27, 2.72) 3 (0, 11)	-5.89 (-12.81, 1.11) 8 (10, 15)	-9.41 (-7.1, -11.5) 14 (9, 13)	<b>11.07</b> <b>(4.63, 17.21)</b> <b>5 (1, 13)</b>	-9.08 (-17.1, -0.86) 12 (1, 15)	-7.8 (-13.03, -2.2) 11 (1, 15)	-8.57 (-13.79, -5.29) 12 (2, 15)	-9.62 (-17.27, -3.13) 12 (0, 15)	-7.08 (-12.12, -4.73) 12 (2, 15)	-8.57 (-8.89, 6.15) 3 (0, 14)	-1.48 (-7.11, -9.58) 12 (7, 13)	-8.47 (-7.43, -9.24) 2 (0, 10)	-5.01 (-5.72, 3.76) 16 (5, 16)	-11.61 (-15.96, -7.35) 8 (1, 13)	-5.8 (-7.72, -3.64) 16 (1, 13)	-19.08 (-27.4, -10.58) 21 (19, 16)	-7.32 (-7.1, -7.2) 10 (7, 16)	-11.44 (-13.51, -9.09) 16 (6, 16)	-14.5 (-18.42, -9.89) 19 (7, 16)	-1.83 (-4.36, 0.7) 3 (0, 8)	-7.94 (-1.07, 1.76) 12 (10, 16)	-6.68 (-7.46, -9.69) 12 (7, 13)	NA 17 (17, 13)		
L-carnitine+L-carnitine + fumarate+ALA	4.79 (12, 1, 2.88) 5 (1, 10)	-0.96 (-2.86, -4.8) 2 (5, 0)	-0.71 (7.45, -8.71) 2 (6, -1)	8.56 (10.83, 3.58) -11 (-1, -2)	7.37 (10.83, 3.58) -9 (-1, -5)	3.97 (11.5, -2.1) -7 (6, -3)	1.97 (4.3, 1.97) -1 (6, -3)	5.08 (17, 10.86) <b>17 (2, 29)</b>	-0.33 (-10, -10.64) <b>17 (2, 29)</b>	1.99 (4.08, -1.34) <b>12 (48, 16.35)</b>	0.52 (6.01, -4.32) <b>17 (2, 29)</b>	-0.54 (3.31, -4.43) <b>17 (2, 29)</b>	2	0.51 (5.84, -2.27) <b>17 (2, 29)</b>	7.6 (8.21, 0.1) <b>17 (2, 29)</b>	0.61 (10, -8.72) <b>17 (2, 29)</b>	4.07 (9.68, 1.63) <b>17 (2, 29)</b>	8.03 (11.39, 4.62) <b>17 (2, 29)</b>	-2.53 (1.15, -4.49) <b>17 (2, 29)</b>	3.28 (9.38, -2.78) <b>17 (2, 29)</b>	10 (10.3, -9.72) <b>17 (2, 29)</b>	1.76 (3.59, -8.23) <b>17 (2, 29)</b>	-5.42 (-1.32, -9.03) <b>17 (2, 29)</b>	7.25 (12.75, 1.56) <b>17 (2, 29)</b>	1.15 (0.04, 2.62) <b>17 (2, 29)</b>	0.4 (9.65, -8.83) <b>17 (2, 29)</b>	NA 5 (16, -3)		
Magnesium	3.51 (8.02, -1.54) -5 (0, -5)	-2.24 (-1.22, -3.46) 3 (2, 1)	-1.99 (3.37, -7.37) 3 (6, 0)	7.28 (8.27, 6.11) -9 (-1, -6)	6.09 (6.76, 4.92) -5 (0, -4)	3.38 (7.42, -0.76) -2 (-1, 0)	1.61 (0.22, 3.32) 3 (8, -2)	7.8 (13.03, 2.2) -11 (-1, -15)	-0.33 (-4.08, 1.34) 2 (0, 1)	1.99 <b>(-8.4, 15.01)</b> <b>16 (2, 28)</b>	0.52 (1.93, -2.98) 2 (0, 1)	-0.54 (-0.76, -3.09) 2 (0, 1)	2	-0.76 (1.76, -0.92) 2 (0, 1)	-1.82 (4.14, 8.35) 2 (0, 1)	0.67 (5.92, -7.38) 2 (0, 1)	-0.67 (5.6, -0.29) 2 (0, 1)	2.79 (7.31, 5.97) -1 (0, -2)	-3.81 (-2.93, 5.15) 3 (0, -2)	2 (5.3, -1.44) 3 (0, -2)	-11.28 (-14.37, -8.38) 10 (8, 1)	0.48 (5.93, -4.99) 2 (3, 3)	-6.7 (-0.48, -8.89) 8 (6, 1)	5.97 (8.67, 2.9) -8 (-1, -7)	-0.13 (-4.04, 3.96) 3 (0, 3)	-0.88 (5.57, -7.48) 2 (6, 2)	NA 6 (16, -2)		
Micronutrient supplement	4.28 (6.09, 1.44) -7 (0, -6)	-1.48 (-3.15, -0.48) 2 (2, 0)	-1.22 (1.44, -4.39) 2 (6, -1)	8.05 (6.33, 9.09) -11 (-2, -6)	6.85 (4.82, 7.9) -9 (-1, -5)	5.49 (5.49, 2.22) -9 (-1, -5)	2.68 (-1.72, 6.3) -4 (0, -1)	-0.84 (3.99, -6.32) 2 (2, -2)	8.57 (11.09, 5.18) -1 (0, -1)	-0.52 (-6.01, -4.32) <b>17 (2, 29)</b>	0.76 (-1.93, 2.78) <b>17 (2, 29)</b>	-1.06 (-0.17, 2.06) <b>17 (2, 29)</b>	1.49 (-0.17, 2.06) <b>17 (2, 29)</b>	0.01 (-1.02, 1.04) <b>17 (2, 29)</b>	7.08 (-1.02, 0.45) <b>17 (2, 29)</b>	0.09 (3.99, -4.4) <b>17 (2, 29)</b>	3.56 (3.67, 2.69) <b>17 (2, 29)</b>	7.52 (5.37, 8.95) <b>17 (2, 29)</b>	-3.04 (-4.86, -2.17) <b>17 (2, 29)</b>	2.77 (3.37, 1.54) <b>17 (2, 29)</b>	-10.51 (-16.31, -5.4) <b>17 (2, 29)</b>	-2.87 (3.99, -2.01) <b>17 (2, 29)</b>	-2.87 (-2.42, -3.31) <b>17 (2, 29)</b>	-5.94 (-7.33, -4.71) <b>17 (2, 29)</b>	6.73 (6.74, 5.88) <b>17 (2, 29)</b>	-0.11 (-5.97, 6.94) <b>17 (2, 29)</b>	NA 5 (15, -2)		
Minerals	5.34 (8.78, 1.55) -8 (-2, -6)	-0.42 (-0.45, -0.37) 0 (0, 0)	-0.16 (4.14, -4.28) 1 (4, -1)	9.11 (9.03, 9.2) -12 (-3, -7)	5.2 (7.52, 8.01) -10 (-3, -5)	5.2 (8.18, 2.33) -8 (-2, -5)	3.73 (0.98, 6.4) -5 (-3, -1)	0.22 (6.69, -6.21) 0 (6, -3)	6.62 (13.79, 5.29) -3 (3, -16)	1.82 (-3.31, 4.43) -1 (2, 0)	1.06 (0.76, 3.09) -3 (2, 1)	<b>1.45</b> <b>(-9.16, 11.92)</b> <b>18 (4, 29)</b>	2.54 (2.53, 2.16) -4 (-2, -1)	8.14 (1.67, 0.56) -10 (-5, -2)	1.15 (4.9, 11.44) -2 (0, -3)	1.15 (6.36, 2.8) -7 (-2, -3)	-1.99 (8.07, 9.05) 3 (2, 0)	3.83 (6.07, 1.65) 8 (6, 0)	9.25 (-2.17, -2.06) 8 (6, 0)	1.82 (-13.61, -9.49) 16 (8, 6)	1.12 (6.69, -1.91) 3 (3, 0)	-4.88 (-4.63, -4.6) 16 (6, 6)	7.75 (9.44, 5.99) -11 (-3, -5)	0.94 (-3.28, 7.05) 2 (2, 0)	0.94 (6.34, 4.4) -1 (-4, -3)	NA 4 (14, -3)			
Myoinositol	2.79 (6.26, -0.61) -4 (0, -5)	-2.96 (-2.98, -2.54) 4 (2, 1)	-2.71 (1.61, -6.44) 6 (5, 7)	6.56 (6.5, 7.04) -4 (6, 0)	5.37 (4.99, 5.84) -7 (-1, -4)	2.66 (5.66																							