Study
TE
seTE
Odds Ratio
OR
95%−CI
Weight
MH_measure =
0.0%
Random effects model
0.0%
Heterogeneity: not applicable
MH_measure = alcohol
baggio 2015 3 . . 0.0%
gariepy 2018 4 0.00 0.2657 1.00 [0.59; 1.68] 0.5%
goldman 2016 3 0.35 0.1756 1.42 [1.01; 2.00] 1.0%
gutierrez 2017 4 0.17 0.0487 1.19 [1.08; 1.31] 2.2%
gutierrez 2019 4 0.32 0.0897 1.38 [1.16; 1.65] 1.8%
odea 2014 3 . . 0.0%
power 2015 3 . . 0.0%
rodwell 2018 4 −0.22 0.2619 0.80 [0.48; 1.34] 0.6%
Random effects model 1.23 [1.08; 1.40] 6.0%
Heterogeneity: I^2 = 34%, τ^2 = 0.0072, p = 0.20
MH_measure = anxiety
basta 2019 4 0.03 0.0174 1.03 [1.00; 1.07] 2.4%
basta 2019 5 0.01 0.0180 1.01 [0.98; 1.05] 2.4%
basta 2019 6 0.05 0.0218 1.05 [1.01; 1.10] 2.4%
benjet 2012 2 0.26 0.1768 1.30 [0.92; 1.84] 1.0%
gariepy 2018 3 0.96 0.3298 2.60 [1.36; 4.96] 0.4%
goldman 2016 2 0.61 0.2237 1.84 [1.19; 2.85] 0.7%
goldman 2016 7 0.32 0.2739 1.38 [0.81; 2.36] 0.5%
gutierrez 2017 2 −0.92 0.7151 0.40 [0.10; 1.62] 0.1%
gutierrez 2019 2 −0.29 0.3909 0.75 [0.35; 1.61] 0.3%
odea 2016 2 . . 0.0%
odea 2016 4 . . 0.0%
odea 2014 2 . . 0.0%
power 2015 2 0.88 0.4528 2.40 [0.99; 5.83] 0.2%
Random effects model 1.06 [1.00; 1.13] 10.5%
Heterogeneity: I^2 = 64%, τ^2 = 0.0029, p < 0.01
MH_measure = any
benjet 2012 5 0.53 0.1455 1.70 [1.28; 2.26] 1.2%
power 2015 7 1.06 0.4793 2.90 [1.13; 7.42] 0.2%
power 2015 8 . . 0.0%
power 2015 9 1.39 0.4362 4.00 [1.70; 9.41] 0.2%
power 2015 10 1.13 0.4106 3.10 [1.39; 6.93] 0.3%
rodwell 2018 1 0.47 0.2061 1.60 [1.07; 2.40] 0.8%
Random effects model 2.07 [1.51; 2.83] 2.7%
Heterogeneity: I^2 = 37%, τ^2 = 0.0450, p = 0.17
MH_measure = behavioral
bania 2019 4 0.20 0.0266 1.22 [1.16; 1.29] 2.4%
bania 2019 5 0.16 0.0457 1.17 [1.07; 1.28] 2.2%
bania 2019 6 0.22 0.0327 1.25 [1.17; 1.33] 2.4%
benjet 2012 4 0.74 0.1592 2.10 [1.54; 2.87] 1.1%
goldman 2016 5 0.38 0.1335 1.46 [1.12; 1.90] 1.3%
gutierrez 2017 3 −0.19 0.3071 0.83 [0.45; 1.52] 0.4%
gutierrez 2019 3 −0.24 0.3845 0.79 [0.37; 1.68] 0.3%
henderson 2017 6 −0.11 0.0896 0.90 [0.75; 1.07] 1.8%
henderson 2017 7 0.17 0.1403 1.18 [0.90; 1.55] 1.2%
henderson 2017 8 0.12 0.1321 1.13 [0.87; 1.46] 1.3%
henderson 2017 9 −0.07 0.1247 0.93 [0.73; 1.19] 1.4%
henderson 2017 10 −0.14 0.1311 0.87 [0.67; 1.12] 1.3%
rodwell 2018 2 0.54 0.2031 1.71 [1.15; 2.55] 0.8%
Random effects model 1.17 [1.07; 1.28] 17.9%
Heterogeneity: I^2 = 72%, τ^2 = 0.0131, p < 0.01
MH_measure = cannabis
baggio 2015 4 0.09 0.0256 1.09 [1.04; 1.15] 2.4%
gariepy 2018 5 0.00 0.3536 1.00 [0.50; 2.00] 0.3%
goldman 2016 4 1.37 0.2709 3.93 [2.31; 6.68] 0.5%
odea 2014 4 0.20 0.2669 1.22 [0.72; 2.06] 0.5%
rodwell 2018 3 0.55 0.2337 1.74 [1.10; 2.75] 0.7%
Random effects model 1.54 [0.98; 2.43] 4.5%
Heterogeneity: I^2 = 85%, τ^2 = 0.2102, p < 0.01
MH_measure = depression
baggio 2015 2 0.10 0.0322 1.11 [1.04; 1.18] 2.4%
benjet 2012 1 0.99 0.2161 2.70 [1.77; 4.12] 0.7%
gariepy 2018 1 0.53 0.2194 1.70 [1.11; 2.61] 0.7%
gariepy 2018 2 0.83 0.4349 2.30 [0.98; 5.39] 0.2%
goldman 2016 1 0.52 0.1201 1.68 [1.33; 2.13] 1.4%
goldman 2016 6 0.94 0.3100 2.57 [1.40; 4.72] 0.4%
gutierrez 2017 1 0.51 0.1348 1.67 [1.28; 2.18] 1.3%
gutierrez 2019 1 −0.31 0.3149 0.73 [0.39; 1.35] 0.4%
odea 2016 1 0.10 0.0415 1.11 [1.02; 1.20] 2.3%
odea 2016 3 0.66 1.2359 1.94 [0.17; 21.87] 0.0%
odea 2014 1 0.10 0.0232 1.10 [1.05; 1.15] 2.4%
power 2015 1 . . 0.0%
Random effects model 1.35 [1.19; 1.52] 12.3%
Heterogeneity: I^2 = 81%, τ^2 = 0.0187, p < 0.01
MH_measure = distress
baggio 2015 1 −0.11 0.0310 0.90 [0.85; 0.96] 2.4%
bania 2019 1 −0.03 0.0276 0.97 [0.92; 1.03] 2.4%
bania 2019 2 −0.13 0.0460 0.88 [0.80; 0.96] 2.2%
bania 2019 3 0.04 0.0344 1.04 [0.97; 1.11] 2.3%
basta 2019 1 −0.02 0.0130 0.98 [0.96; 1.01] 2.5%
basta 2019 2 −0.01 0.0180 0.99 [0.96; 1.03] 2.4%
basta 2019 3 −0.02 0.0181 0.98 [0.95; 1.02] 2.4%
bynner 2002 1 0.58 0.3325 1.78 [0.93; 3.42] 0.4%
bynner 2002 2 0.79 0.4793 2.20 [0.86; 5.63] 0.2%
bynner 2002 3 0.52 0.3204 1.69 [0.90; 3.17] 0.4%
hale 2018 1 0.45 0.1161 1.57 [1.25; 1.98] 1.5%
hale 2018 2 0.54 0.1695 1.72 [1.23; 2.40] 1.0%
hale 2018 3 0.40 0.1489 1.49 [1.11; 2.00] 1.2%
henderson 2017 1 0.14 0.0952 1.15 [0.95; 1.39] 1.7%
henderson 2017 2 −0.05 0.1428 0.95 [0.72; 1.26] 1.2%
henderson 2017 3 0.29 0.1428 1.33 [1.01; 1.76] 1.2%
henderson 2017 4 0.33 0.1275 1.39 [1.08; 1.78] 1.4%
henderson 2017 5 0.08 0.1517 1.08 [0.80; 1.45] 1.1%
Random effects model 1.04 [0.99; 1.09] 27.9%
Heterogeneity: I^2 = 78%, τ^2 = 0.0046, p < 0.01
MH_measure = drug
basta 2019 7 −0.22 0.1633 0.80 [0.58; 1.10] 1.1%
basta 2019 8 −0.01 0.2022 0.99 [0.67; 1.47] 0.8%
basta 2019 9 −0.65 0.3090 0.52 [0.28; 0.95] 0.4%
benjet 2012 3 1.48 0.2736 4.40 [2.57; 7.52] 0.5%
gariepy 2018 6 1.16 0.4571 3.20 [1.31; 7.84] 0.2%
goldman 2016 8 0.64 0.1950 1.89 [1.29; 2.77] 0.8%
gutierrez 2017 5 0.03 0.1908 1.03 [0.71; 1.50] 0.9%
gutierrez 2019 5 0.55 0.3079 1.73 [0.95; 3.16] 0.4%
gutierrez 2019 6 −0.11 0.4433 0.90 [0.38; 2.15] 0.2%
henderson 2017 11 0.66 0.0889 1.94 [1.63; 2.31] 1.8%
henderson 2017 12 0.36 0.1124 1.44 [1.16; 1.79] 1.5%
henderson 2017 13 0.78 0.1339 2.19 [1.68; 2.85] 1.3%
henderson 2017 14 0.60 0.1256 1.83 [1.43; 2.34] 1.4%
henderson 2017 15 0.72 0.1329 2.05 [1.58; 2.66] 1.3%
power 2015 4 . . 0.0%
Random effects model 1.54 [1.23; 1.93] 12.6%
Heterogeneity: I^2 = 83%, τ^2 = 0.1330, p < 0.01
MH_measure = suicide
benjet 2012 6 0.59 0.2383 1.80 [1.13; 2.87] 0.6%
benjet 2012 7 0.88 0.2741 2.40 [1.40; 4.11] 0.5%
benjet 2012 8 1.28 0.2967 3.60 [2.01; 6.44] 0.5%
gariepy 2018 7 0.59 0.2886 1.80 [1.02; 3.17] 0.5%
goldman 2016 9 1.19 0.2384 3.30 [2.07; 5.27] 0.6%
gutierrez 2017 6 0.66 0.2675 1.94 [1.15; 3.28] 0.5%
gutierrez 2017 7 0.17 0.2039 1.18 [0.79; 1.76] 0.8%
gutierrez 2017 8 0.88 0.3058 2.40 [1.32; 4.37] 0.4%
gutierrez 2019 7 0.16 0.4154 1.17 [0.52; 2.64] 0.3%
gutierrez 2019 8 −2.12 1.2213 0.12 [0.01; 1.31] 0.0%
gutierrez 2019 9 1.01 0.2206 2.75 [1.78; 4.24] 0.7%
power 2015 5 . . 0.0%
power 2015 6 1.13 0.5689 3.10 [1.02; 9.45] 0.1%
Random effects model 2.09 [1.61; 2.70] 5.6%
Heterogeneity: I^2 = 57%, τ^2 = 0.1080, p < 0.01
Random effects model 1.28 [1.23; 1.34] 100.0%
Heterogeneity: I^2 = 87%, τ^2 = 0.0195, p < 0.01
Residual heterogeneity: I^2 = 75%, p < 0.01
0.1
0.5
1
2
10