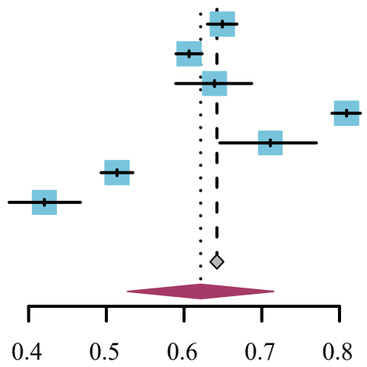
(a)

| Study | Events | Sample | Prevalence | 95% CI | Weight |
|---|---|---|---|---|---|
| Ma et al, 2005 | 1603 | 2469 | 0.65 | [0.63; 0.67] | 14.5% |
| Brown et al, 2001 | 1994 | 3288 | 0.61 | [0.59; 0.62] | 14.5% |
| Groves et al, 2002 | 248 | 388 | 0.64 | [0.59; 0.69] | 14.1% |
| Wong et al, 1999 | 1479 | 1828 | 0.81 | [0.79; 0.83] | 14.5% |
| Jiang et al, 1996 | 155 | 218 | 0.71 | [0.65; 0.77] | 13.8% |
| Zhai et al, 1994 | 1200 | 2336 | 0.51 | [0.49; 0.53] | 14.5% |
| Wang et al, 1996 | 195 | 464 | 0.42 | [0.37; 0.47] | 14.1% |
| Common effect model | | 10991 | 0.64 | [0.63; 0.65] | — |
| **Random effects model** | | | **0.62** | **[0.53; 0.72]** | **100.0%** |

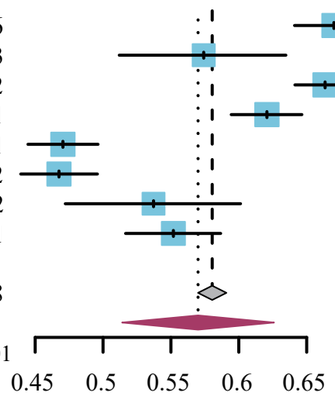
Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.0158$, $p < 0.01$




(b)

| Study | Events | Sample | Prevalence | 95% CI | Weight |
|---|---|---|---|---|---|
| He et al, 2001 | 721 | 1076 | 0.67 | [0.64; 0.70] | 12.8% |
| Fan et al, 2004 | 151 | 263 | 0.57 | [0.51; 0.63] | 11.5% |
| Chen et al, 2003 | 1209 | 1822 | 0.66 | [0.64; 0.69] | 13.0% |
| Shi et al, 2008 | 851 | 1371 | 0.62 | [0.59; 0.65] | 12.9% |
| Chen et al, 2007 | 692 | 1471 | 0.47 | [0.44; 0.50] | 12.9% |
| Cheng et al, 2009 | 576 | 1232 | 0.47 | [0.44; 0.50] | 12.8% |
| Nie et al, 2007 | 130 | 242 | 0.54 | [0.47; 0.60] | 11.4% |
| Luo et al, 2010 | 442 | 801 | 0.55 | [0.52; 0.59] | 12.6% |
| Common effect model | | 8278 | 0.58 | [0.57; 0.59] | — |
| **Random effects model** | | | **0.57** | **[0.51; 0.63]** | **100.0%** |

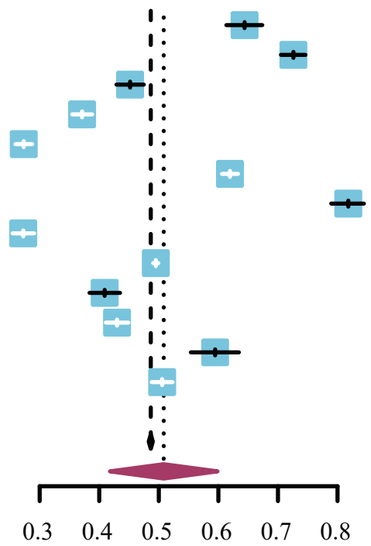
Heterogeneity: $I^2 = 97\%$, $\tau^2 = 0.0062$, $p < 0.01$




(c)

| Study | Events | Sample | Prevalence | 95% CI | Weight |
|---|---|---|---|---|---|
| Suo et al, 2011 | 644 | 1000 | 0.64 | [0.61; 0.67] | 7.7% |
| Zhu et al, 2011 | 1343 | 1850 | 0.73 | [0.71; 0.75] | 7.7% |
| Zhou et al, 2005 | 834 | 1846 | 0.45 | [0.43; 0.47] | 7.7% |
| Zeng et al, 2008 | 1208 | 3254 | 0.37 | [0.35; 0.39] | 7.7% |
| Zhou et al, 2010 | 1093 | 4000 | 0.27 | [0.26; 0.29] | 7.7% |
| Guo et al, 2006 | 3173 | 5122 | 0.62 | [0.61; 0.63] | 7.7% |
| Zhang et al, 2007 | 652 | 797 | 0.82 | [0.79; 0.84] | 7.7% |
| Lao et al, 2006 | 648 | 2379 | 0.27 | [0.25; 0.29] | 7.7% |
| Zheng et al, 2008 | 25255 | 51025 | 0.49 | [0.49; 0.50] | 7.7% |
| Chen et al, 2009 | 594 | 1452 | 0.41 | [0.38; 0.43] | 7.7% |
| Liu et al, 2011 | 1156 | 2689 | 0.43 | [0.41; 0.45] | 7.7% |
| Yang et al, 2009 | 352 | 592 | 0.59 | [0.55; 0.63] | 7.6% |
| Huang et al, 2013 | 1622 | 3208 | 0.51 | [0.49; 0.52] | 7.7% |
| Common effect model | | 79214 | 0.49 | [0.48; 0.49] | — |
| **Random effects model** | | | **0.51** | **[0.42; 0.60]** | **100.0%** |

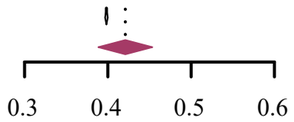
Heterogeneity: $I^2 = 100\%$, $\tau^2 = 0.0274$, $p = 0$



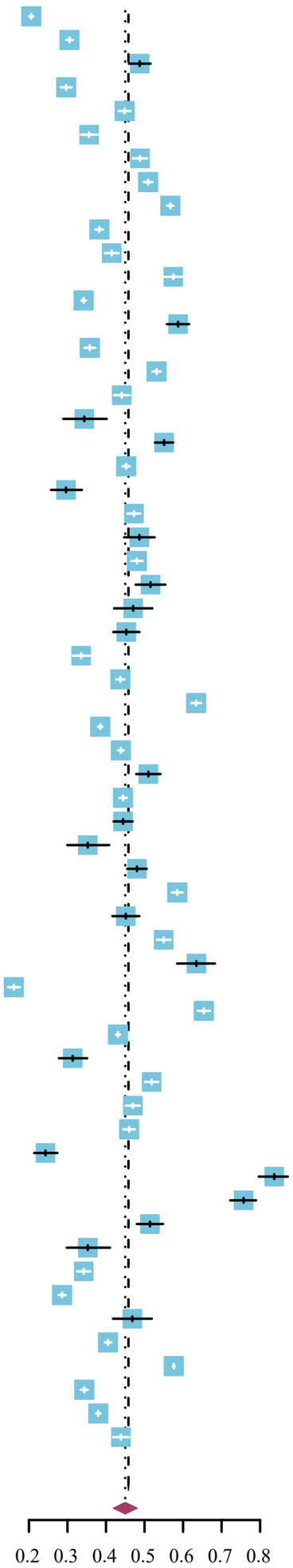

(e)

| Study | Events | Sample | Prevalence | 95% CI | Weight |
|---|---|---|---|---|---|
| Ji et al, 2016 | 917 | 4214 | 0.22 | [0.21; 0.23] | 2.6% |
| Shao et al, 2016 | 5348 | 15739 | 0.34 | [0.33; 0.35] | 2.6% |
| Pan et al, 2015 | 4602 | 9076 | 0.51 | [0.50; 0.52] | 2.6% |
| Li et al, 2015 | 3988 | 9856 | 0.40 | [0.39; 0.41] | 2.6% |
| Jia et al, 2015 | 1025 | 2180 | 0.47 | [0.45; 0.49] | 2.6% |
| Zhang et al, 2017 | 382 | 916 | 0.42 | [0.38; 0.45] | 2.5% |
| Ma et al, 2015 | 1057 | 4122 | 0.26 | [0.24; 0.27] | 2.6% |
| Qin et al, 2015 | 2428 | 4611 | 0.53 | [0.51; 0.54] | 2.6% |
| Wu et al, 2016 | 1365 | 2860 | 0.48 | [0.46; 0.50] | 2.6% |
| Su et al, 2018 | 1685 | 4950 | 0.34 | [0.33; 0.35] | 2.6% |
| Xu et al, 2015 | 1339 | 2956 | 0.45 | [0.43; 0.47] | 2.6% |
| Wang et al, 2016 | 2325 | 6165 | 0.38 | [0.37; 0.39] | 2.6% |
| Mo et al, 2018 | 285 | 841 | 0.34 | [0.31; 0.37] | 2.5% |
| Wang et al, 2015 | 1705 | 3447 | 0.49 | [0.48; 0.51] | 2.6% |
| Wang et al, 2016 | 1746 | 3214 | 0.54 | [0.53; 0.56] | 2.6% |
| Zhang et al, 2017 | 1877 | 5164 | 0.36 | [0.35; 0.38] | 2.6% |
| Ma et al, 2015 | 24942 | 58876 | 0.42 | [0.42; 0.43] | 2.6% |
| Sun et al, 2016 | 1112 | 3258 | 0.34 | [0.33; 0.36] | 2.6% |
| Qu et al, 2018 | 304 | 524 | 0.58 | [0.54; 0.62] | 2.5% |
| Cai et al, 2015 | 567 | 1000 | 0.57 | [0.54; 0.60] | 2.5% |
| Shu et al, 2015 | 829 | 3014 | 0.28 | [0.26; 0.29] | 2.6% |
| Wang et al, 2016 | 2506 | 4796 | 0.52 | [0.51; 0.54] | 2.6% |
| Gu et al, 2015 | 2726 | 5558 | 0.49 | [0.48; 0.50] | 2.6% |
| Xie et al, 2015 | 828 | 2003 | 0.41 | [0.39; 0.44] | 2.6% |
| Li et al, 2017 | 13948 | 33153 | 0.42 | [0.42; 0.43] | 2.6% |
| Shuai et al, 2019 | 2408 | 8323 | 0.29 | [0.28; 0.30] | 2.6% |
| Guo et al, 2017 | 3032 | 9684 | 0.31 | [0.30; 0.32] | 2.6% |
| Xie et al, 2016 | 2884 | 8790 | 0.33 | [0.32; 0.34] | 2.6% |
| Yang et al, 2019 | 166 | 544 | 0.31 | [0.27; 0.35] | 2.5% |
| Guo et al, 2018 | 3649 | 11775 | 0.31 | [0.30; 0.32] | 2.6% |
| Wei et al, 2016 | 1671 | 2877 | 0.58 | [0.56; 0.60] | 2.6% |
| Fu et al, 2016 | 832 | 1883 | 0.44 | [0.42; 0.46] | 2.6% |
| Han et al, 2017 | 1467 | 2557 | 0.57 | [0.55; 0.59] | 2.6% |
| Xu et al, 2017 | 5874 | 18684 | 0.31 | [0.31; 0.32] | 2.6% |
| Wang et al, 2016 | 1219 | 2013 | 0.61 | [0.58; 0.63] | 2.6% |
| Yan et al, 2017 | 845 | 1641 | 0.51 | [0.49; 0.54] | 2.6% |
| Cheng et al, 2017 | 115 | 235 | 0.49 | [0.42; 0.56] | 2.4% |
| Hu et al, 2019 | 3791 | 10843 | 0.35 | [0.34; 0.36] | 2.6% |
| Zhang et al, 2020 | 17838 | 39091 | 0.46 | [0.45; 0.46] | 2.6% |
| Common effect model | | 311433 | 0.40 | [0.40; 0.40] | — |
| **Random effects model** | | | **0.42** | **[0.39; 0.45]** | **100.0%** |

Heterogeneity: $I^2 = 100\%$, $\tau^2 = 0.0106$, $p = 0$




(d)

| Study | Events | Sample | Prevalence | 95% CI | Weight |
|---|---|---|---|---|---|
| Kong et al, 2017 | 4541 | 22044 | 0.21 | [0.20; 0.21] | 1.7% |
| Li et al, 2016 | 3386 | 11096 | 0.31 | [0.30; 0.31] | 1.7% |
| Zhang et al, 2013 | 603 | 1237 | 0.49 | [0.46; 0.52] | 1.6% |
| Jiang et al, 2015 | 1225 | 4127 | 0.30 | [0.28; 0.31] | 1.7% |
| Wang et al, 2011 | 1791 | 3995 | 0.45 | [0.43; 0.46] | 1.7% |
| Zhang et al, 2014 | 688 | 1932 | 0.36 | [0.33; 0.38] | 1.6% |
| Huang et al, 2013 | 1374 | 2814 | 0.49 | [0.47; 0.51] | 1.6% |
| Shen et al, 2012 | 4030 | 7911 | 0.51 | [0.50; 0.52] | 1.7% |
| Yang et al, 2013 | 8611 | 15187 | 0.57 | [0.56; 0.57] | 1.7% |
| Zhu et al, 2012 | 3553 | 9285 | 0.38 | [0.37; 0.39] | 1.7% |
| Cheng et al, 2012 | 1234 | 2975 | 0.41 | [0.40; 0.43] | 1.6% |
| Yang et al, 2010 | 985 | 1714 | 0.57 | [0.55; 0.60] | 1.6% |
| Deng et al, 2008 | 9294 | 27177 | 0.34 | [0.34; 0.35] | 1.7% |
| Yang et al, 2013 | 670 | 1141 | 0.59 | [0.56; 0.62] | 1.6% |
| Li et al, 2013 | 1617 | 4517 | 0.36 | [0.34; 0.37] | 1.7% |
| Tang et al, 2014 | 4444 | 8365 | 0.53 | [0.52; 0.54] | 1.7% |
| Yang et al, 2010 | 1058 | 2400 | 0.44 | [0.42; 0.46] | 1.6% |
| Cao et al, 2013 | 99 | 288 | 0.34 | [0.29; 0.40] | 1.6% |
| Dong et al, 2016 | 938 | 1703 | 0.55 | [0.53; 0.57] | 1.6% |
| Liu et al, 2011 | 5300 | 11714 | 0.45 | [0.44; 0.46] | 1.7% |
| Tian et al, 2013 | 154 | 520 | 0.30 | [0.26; 0.34] | 1.6% |
| Cao et al, 2014 | 1589 | 3363 | 0.47 | [0.46; 0.49] | 1.6% |
| Liu et al, 2010 | 308 | 633 | 0.49 | [0.45; 0.53] | 1.6% |
| Liu et al, 2014 | 2167 | 4513 | 0.48 | [0.47; 0.49] | 1.7% |
| Guo et al, 2012 | 346 | 671 | 0.52 | [0.48; 0.55] | 1.6% |
| Zhang et al, 2013 | 191 | 406 | 0.47 | [0.42; 0.52] | 1.6% |
| Chen et al, 2011 | 387 | 855 | 0.45 | [0.42; 0.49] | 1.6% |
| Jia et al, 2014 | 624 | 1860 | 0.34 | [0.31; 0.36] | 1.6% |
| Xu et al, 2013 | 3859 | 8820 | 0.44 | [0.43; 0.45] | 1.7% |
| Zhu et al, 2010 | 3435 | 5417 | 0.63 | [0.62; 0.65] | 1.7% |
| Fan et al, 2018 | 10848 | 28171 | 0.39 | [0.38; 0.39] | 1.7% |
| Xu et al, 2014 | 7804 | 17791 | 0.44 | [0.43; 0.45] | 1.7% |
| Gao et al, 2013 | 510 | 1000 | 0.51 | [0.48; 0.54] | 1.6% |
| Wu et al, 2012 | 4589 | 10331 | 0.44 | [0.43; 0.45] | 1.7% |
| Meng et al, 2012 | 710 | 1598 | 0.44 | [0.42; 0.47] | 1.6% |
| Mao et al, 2014 | 110 | 312 | 0.35 | [0.30; 0.41] | 1.6% |
| Yan et al, 2011 | 724 | 1507 | 0.48 | [0.45; 0.51] | 1.6% |
| Yang et al, 2011 | 2700 | 4615 | 0.59 | [0.57; 0.60] | 1.7% |
| Chen et al, 2010 | 362 | 802 | 0.45 | [0.42; 0.49] | 1.6% |
| Xie et al, 2013 | 1629 | 2963 | 0.55 | [0.53; 0.57] | 1.6% |
| Zhou et al, 2013 | 245 | 386 | 0.63 | [0.58; 0.68] | 1.6% |
| Li et al, 2010 | 367 | 2283 | 0.16 | [0.15; 0.18] | 1.7% |
| Kong et al, 2013 | 2204 | 3370 | 0.65 | [0.64; 0.67] | 1.7% |
| Zhou et al, 2011 | 15490 | 35921 | 0.43 | [0.43; 0.44] | 1.7% |
| Gao et al, 2010 | 201 | 641 | 0.31 | [0.28; 0.35] | 1.6% |
| Yu et al, 2013 | 1679 | 3239 | 0.52 | [0.50; 0.54] | 1.6% |
| Qian et al, 2010 | 1334 | 2840 | 0.47 | [0.45; 0.49] | 1.6% |
| Zhang et al, 2014 | 1958 | 4256 | 0.46 | [0.44; 0.48] | 1.7% |
| Wang et al, 2013 | 196 | 807 | 0.24 | [0.21; 0.27] | 1.6% |
| Kong et al, 2011 | 328 | 392 | 0.84 | [0.80; 0.87] | 1.6% |
| Tu et al, 2012 | 496 | 655 | 0.76 | [0.72; 0.79] | 1.6% |
| Wang et al, 2014 | 438 | 852 | 0.51 | [0.48; 0.55] | 1.6% |
| Li et al, 2010 | 103 | 292 | 0.35 | [0.30; 0.41] | 1.6% |
| Gong et al, 2014 | 1034 | 3022 | 0.34 | [0.33; 0.36] | 1.6% |
| Xia et al, 2016 | 2976 | 10407 | 0.29 | [0.28; 0.29] | 1.7% |
| Shan et al, 2017 | 185 | 395 | 0.47 | [0.42; 0.52] | 1.6% |
| Liu et al, 2012 | 5524 | 13632 | 0.41 | [0.40; 0.41] | 1.7% |
| Pan et al, 2016 | 105967 | 183970 | 0.58 | [0.57; 0.58] | 1.7% |
| Liu et al, 2017 | 3750 | 10912 | 0.34 | [0.33; 0.35] | 1.7% |
| Qu et al, 2017 | 9561 | 25160 | 0.38 | [0.37; 0.39] | 1.7% |
| Ayinuer A et al, 2017 | 960 | 2188 | 0.44 | [0.42; 0.46] | 1.6% |
| Common effect model | | 543390 | 0.46 | [0.46; 0.46] | — |
| **Random effects model** | | | **0.45** | **[0.42; 0.48]** | **100.0%** |

Heterogeneity: $I^2 = 100\%$, $\tau^2 = 0.0148$, $p = 0$