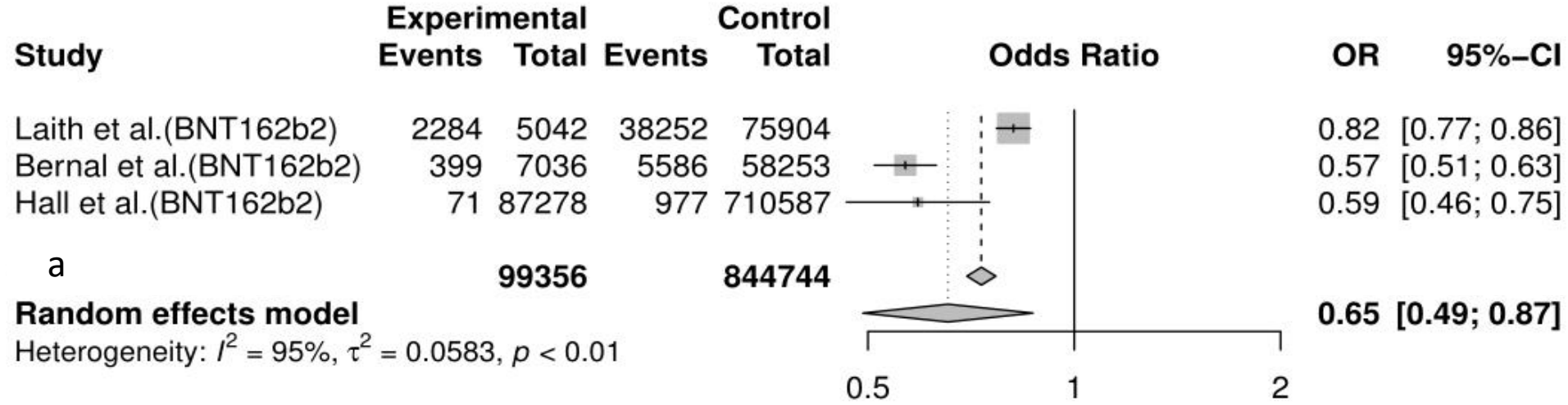
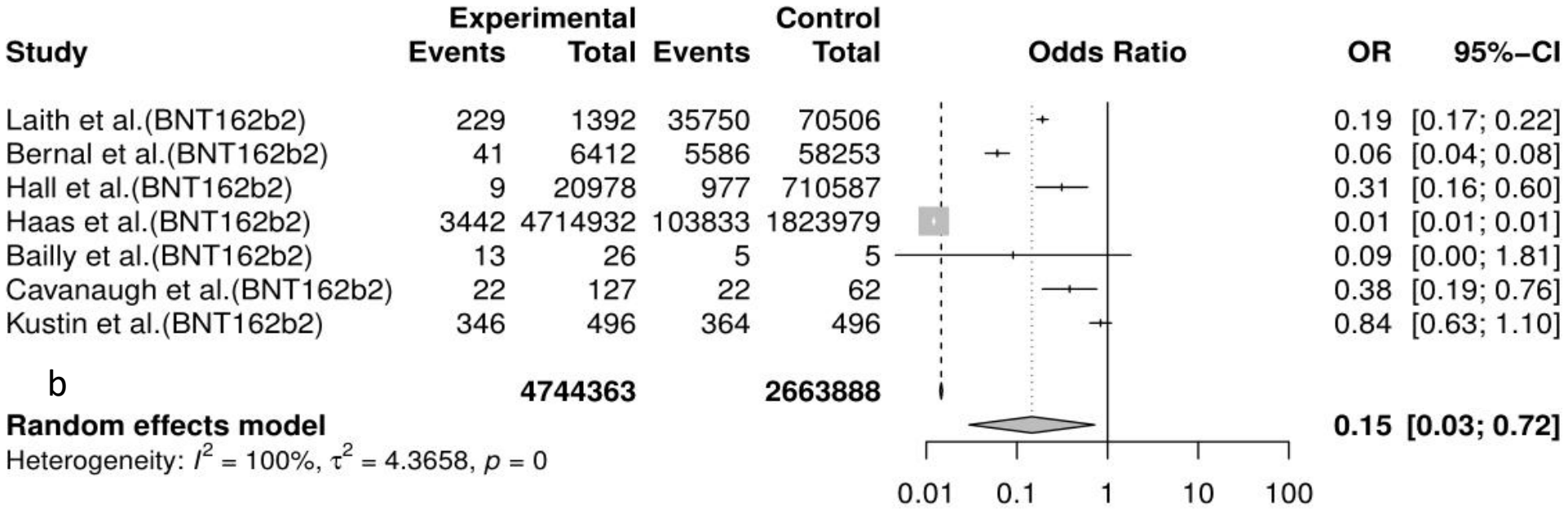
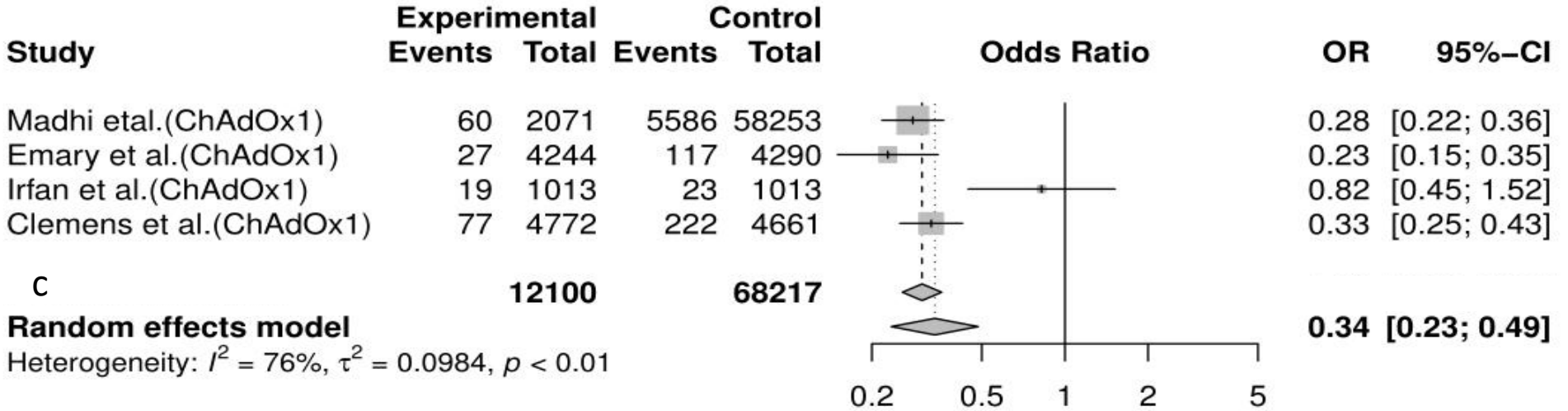
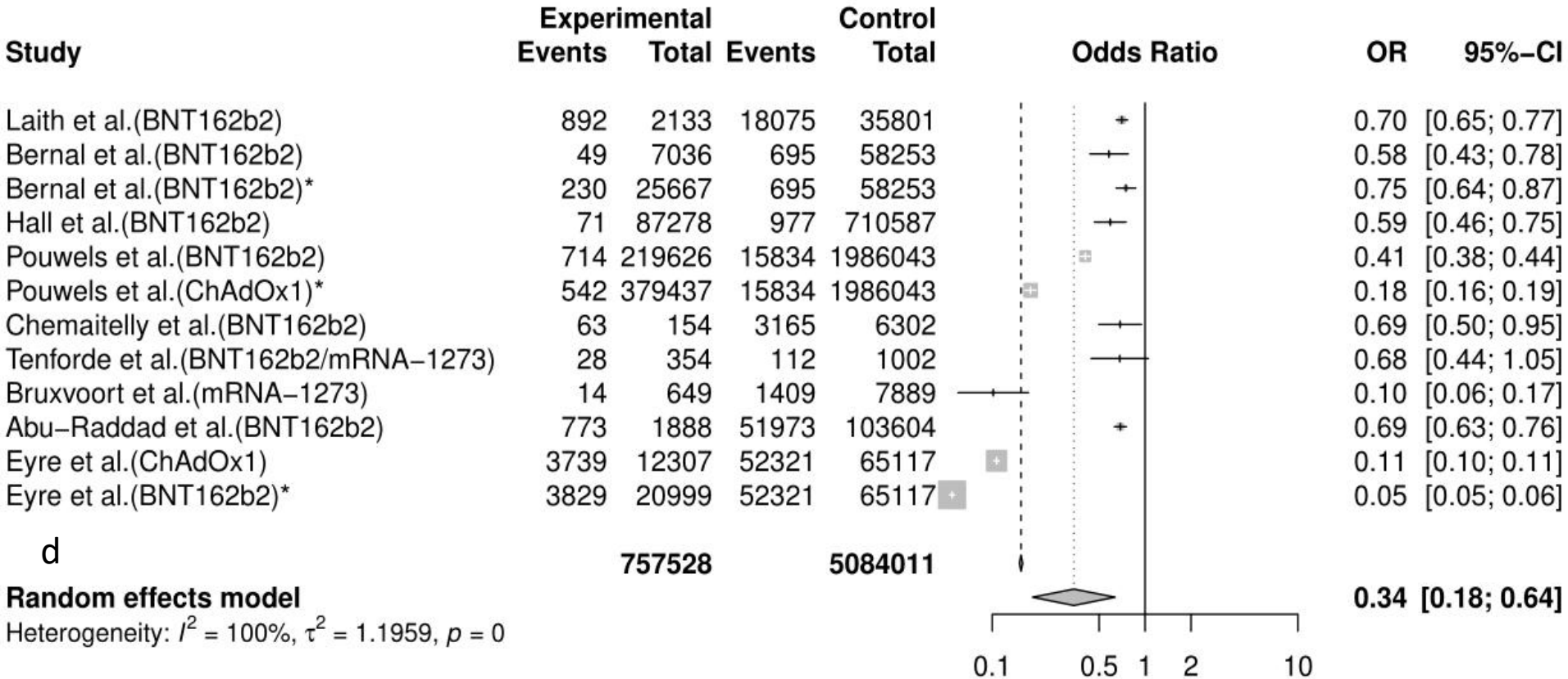

Experimental
Control
Study
Events
Total
Events
Total
Odds Ratio
OR
95%–CI
Laith et al.(BNT162b2) 2284 5042 38252 75904 0.82 [0.77; 0.86]
Bernal et al.(BNT162b2) 399 7036 5586 58253 0.57 [0.51; 0.63]
Hall et al.(BNT162b2) 71 87278 977 710587 0.59 [0.46; 0.75]
a
99356
844744
Random effects model 0.65 [0.49; 0.87]
Heterogeneity: I^2 = 95%, τ^2 = 0.0583, p < 0.01
0.5
1
2

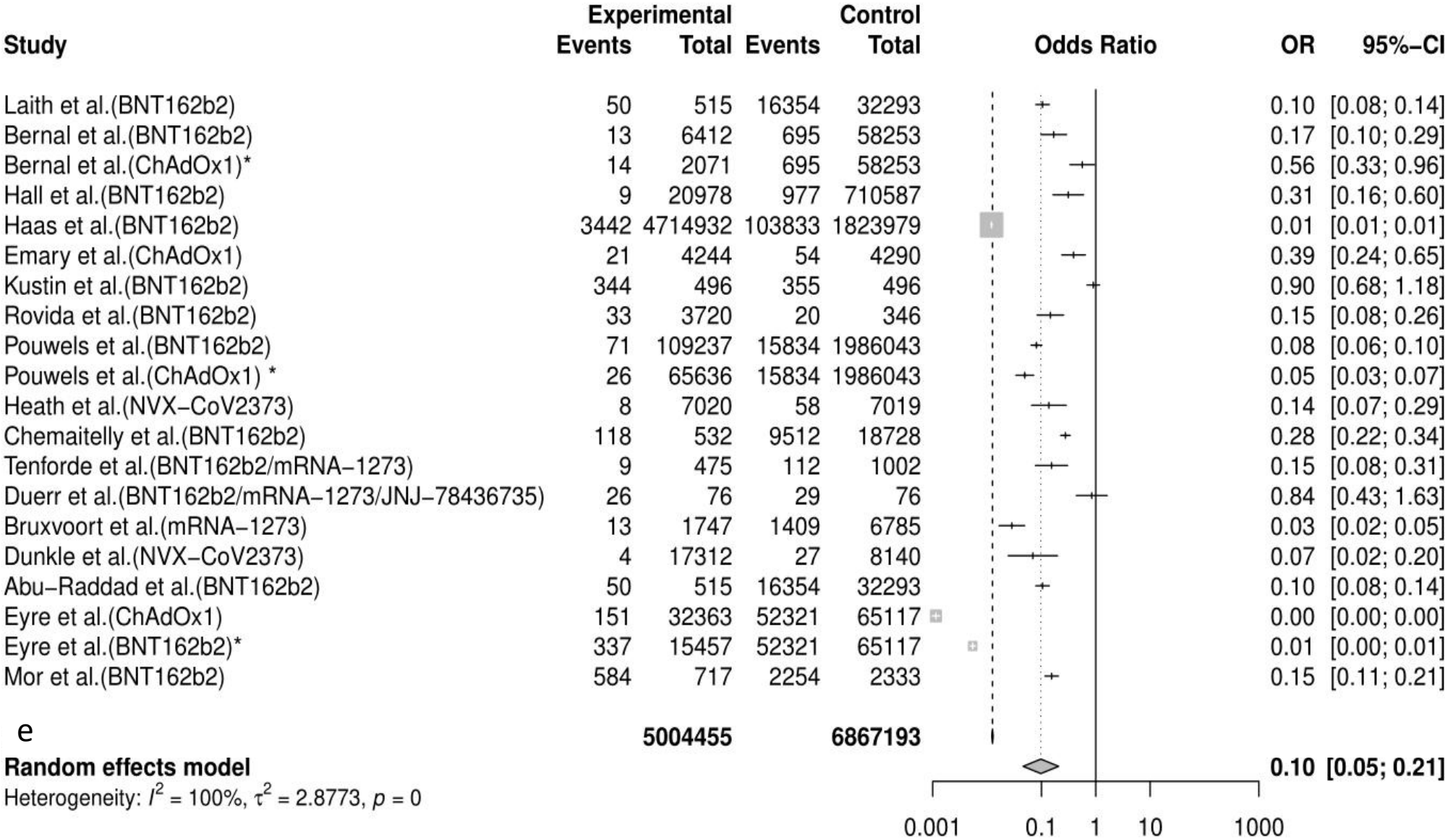

Experimental
Control
Study
Events
Total
Events
Total
Odds Ratio
OR
95%–CI
Laith et al.(BNT162b2) 229 1392 35750 70506 0.19 [0.17; 0.22]
Bernal et al.(BNT162b2) 41 6412 5586 58253 0.06 [0.04; 0.08]
Hall et al.(BNT162b2) 9 20978 977 710587 0.31 [0.16; 0.60]
Haas et al.(BNT162b2) 3442 4714932 103833 1823979 0.01 [0.01; 0.01]
Bailly et al.(BNT162b2) 13 26 5 5 0.09 [0.00; 1.81]
Cavanaugh et al.(BNT162b2) 22 127 22 62 0.38 [0.19; 0.76]
Kustin et al.(BNT162b2) 346 496 364 496 0.84 [0.63; 1.10]
b
4744363
2663888
Random effects model 0.15 [0.03; 0.72]
Heterogeneity: I^2 = 100%, τ^2 = 4.3658, p = 0
0.01
0.1
1
10
100


Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Madhi etal.(ChAdOx1) 60 2071 5586 58253 0.28 [0.22; 0.36]
Emary et al.(ChAdOx1) 27 4244 117 4290 0.23 [0.15; 0.35]
Irfan et al.(ChAdOx1) 19 1013 23 1013 0.82 [0.45; 1.52]
Clemens et al.(ChAdOx1) 77 4772 222 4661 0.33 [0.25; 0.43]
12100 68217
Random effects model 0.34 [0.23; 0.49]
Heterogeneity: I^2 = 76%, τ^2 = 0.0984, p < 0.01
0.2 0.5 1 2 5

c


Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Laith et al.(BNT162b2) 892 2133 18075 35801 0.70 [0.65; 0.77]
Bernal et al.(BNT162b2) 49 7036 695 58253 0.58 [0.43; 0.78]
Bernal et al.(BNT162b2)* 230 25667 695 58253 0.75 [0.64; 0.87]
Hall et al.(BNT162b2) 71 87278 977 710587 0.59 [0.46; 0.75]
Pouwels et al.(BNT162b2) 714 219626 15834 1986043 0.41 [0.38; 0.44]
Pouwels et al.(ChAdOx1)* 542 379437 15834 1986043 0.18 [0.16; 0.19]
Chemaitelly et al.(BNT162b2) 63 154 3165 6302 0.69 [0.50; 0.95]
Tenforde et al.(BNT162b2/mRNA–1273) 28 354 112 1002 0.68 [0.44; 1.05]
Bruxvoort et al.(mRNA–1273) 14 649 1409 7889 0.10 [0.06; 0.17]
Abu–Raddad et al.(BNT162b2) 773 1888 51973 103604 0.69 [0.63; 0.76]
Eyre et al.(ChAdOx1) 3739 12307 52321 65117 0.11 [0.10; 0.11]
Eyre et al.(BNT162b2)* 3829 20999 52321 65117 0.05 [0.05; 0.06]
757528 5084011
Random effects model 0.34 [0.18; 0.64]
Heterogeneity: I^2 = 100%, τ^2 = 1.1959, p = 0
0.1 0.5 1 2 10

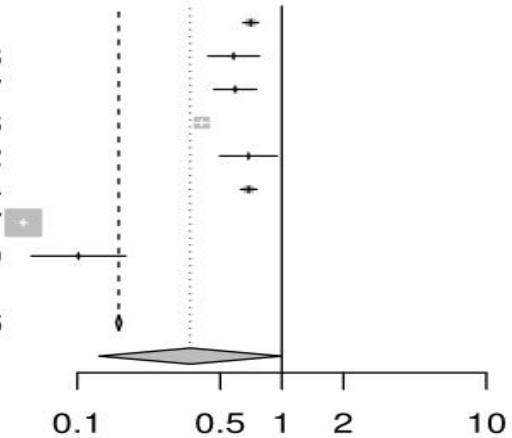
d


Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%−CI
Laith et al.(BNT162b2) 50 515 16354 32293 0.10 [0.08; 0.14]
Bernal et al.(BNT162b2) 13 6412 695 58253 0.17 [0.10; 0.29]
Bernal et al.(ChAdOx1)* 14 2071 695 58253 0.56 [0.33; 0.96]
Hall et al.(BNT162b2) 9 20978 977 710587 0.31 [0.16; 0.60]
Haas et al.(BNT162b2) 3442 4714932 103833 1823979 0.01 [0.01; 0.01]
Emary et al.(ChAdOx1) 21 4244 54 4290 0.39 [0.24; 0.65]
Kustin et al.(BNT162b2) 344 496 355 496 0.90 [0.68; 1.18]
Rovida et al.(BNT162b2) 33 3720 20 346 0.15 [0.08; 0.26]
Pouwels et al.(BNT162b2) 71 109237 15834 1986043 0.08 [0.06; 0.10]
Pouwels et al.(ChAdOx1) * 26 65636 15834 1986043 0.05 [0.03; 0.07]
Heath et al.(NVX−CoV2373) 8 7020 58 7019 0.14 [0.07; 0.29]
Chemaitelly et al.(BNT162b2) 118 532 9512 18728 0.28 [0.22; 0.34]
Tenforde et al.(BNT162b2/mRNA−1273) 9 475 112 1002 0.15 [0.08; 0.31]
Duerr et al.(BNT162b2/mRNA−1273/JNJ−78436735) 26 76 29 76 0.84 [0.43; 1.63]
Bruxvoort et al.(mRNA−1273) 13 1747 1409 6785 0.03 [0.02; 0.05]
Dunkle et al.(NVX−CoV2373) 4 17312 27 8140 0.07 [0.02; 0.20]
Abu−Raddad et al.(BNT162b2) 50 515 16354 32293 0.10 [0.08; 0.14]
Eyre et al.(ChAdOx1) 151 32363 52321 65117 0.00 [0.00; 0.00]
Eyre et al.(BNT162b2)* 337 15457 52321 65117 0.01 [0.00; 0.01]
Mor et al.(BNT162b2) 584 717 2254 2333 0.15 [0.11; 0.21]
5004455 6867193
Random effects model 0.10 [0.05; 0.21]
Heterogeneity: I^2 = 100%, τ^2 = 2.8773, p = 0
0.001 0.1 1 10 1000

e

Study	Experimental Events	Experimental Total	Control Events	Control Total	OR	95%–CI
Laith et al.(BNT162b2)	892	2133	18075	35801	0.70	[0.65; 0.77]
Bernal et al.(BNT162b2)	49	7036	695	58253	0.58	[0.43; 0.78]
Hall et al.(BNT162b2)	71	87278	977	710587	0.59	[0.46; 0.75]
Pouwels et al.(BNT162b2)	714	219626	15834	1986043	0.41	[0.38; 0.44]
Chemaitelly et al.(BNT162b2)	63	154	3165	6302	0.69	[0.50; 0.95]
Abu–Raddad et al.(BNT162b2)	773	1888	51973	103604	0.69	[0.63; 0.76]
Eyre et al.(BNT162b2)	3829	20999	52321	65117	0.05	[0.05; 0.06]
Bruxvoort et al.(mRNA–1273)	14	649	1409	7889	0.10	[0.06; 0.17]
Random effects model		**339763**		**2973596**	**0.36**	**[0.13; 1.00]**

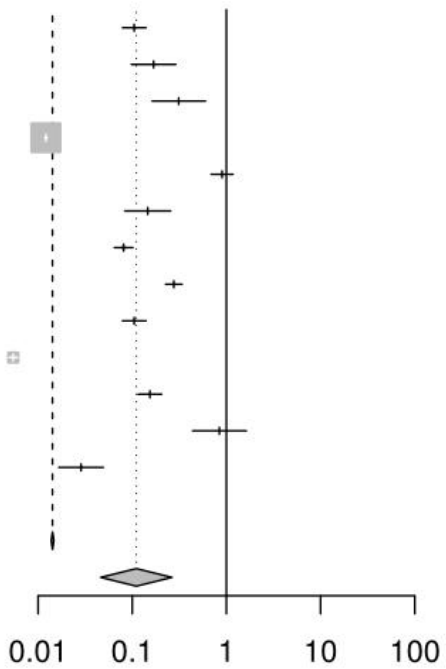
Heterogeneity: $I^2 = 100\%$, $\tau^2 = 2.1904$, $p = 0$



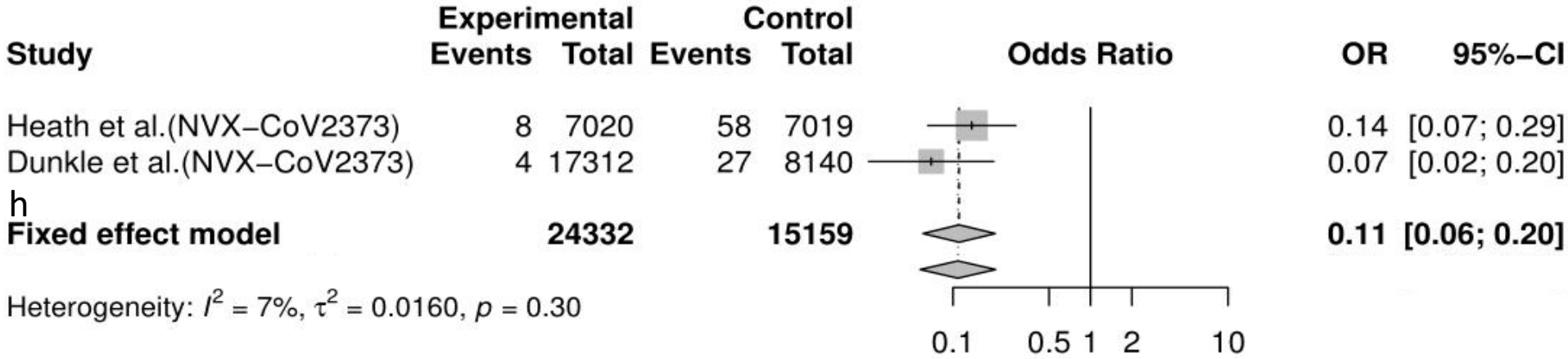
f

Study	Experimental Events	Experimental Total	Control Events	Control Total	OR	95%–CI
Laith et al.(BNT162b2)	50	515	16354	32293	0.10	[0.08; 0.14]
Bernal et al.(BNT162b2)	13	6412	695	58253	0.17	[0.10; 0.29]
Hall et al.(BNT162b2)	9	20978	977	710587	0.31	[0.16; 0.60]
Haas et al.(BNT162b2)	3442	4714932	103833	1823979	0.01	[0.01; 0.01]
Kustin et al.(BNT162b2)	344	496	355	496	0.90	[0.68; 1.18]
Rovida et al.(BNT162b2)	33	3720	20	346	0.15	[0.08; 0.26]
Pouwels et al.(BNT162b2)	71	109237	15834	1986043	0.08	[0.06; 0.10]
Chemaitelly et al.(BNT162b2)	118	532	9512	18728	0.28	[0.22; 0.34]
Abu–Raddad et al.(BNT162b2)	50	515	16354	32293	0.10	[0.08; 0.14]
Eyre et al.(BNT162b2)	337	15457	52321	65117	0.01	[0.00; 0.01]
Mor et al.(BNT162b2)	584	717	2254	2333	0.15	[0.11; 0.21]
Duerr et al.(BNT162b2/mRNA–1273/JNJ–78436735)	26	76	29	76	0.84	[0.43; 1.63]
Bruxvoort et al.(mRNA–1273)	13	1747	1409	6785	0.03	[0.02; 0.05]
Random effects model		**4875334**		**4737329**	**0.11**	**[0.05; 0.26]**

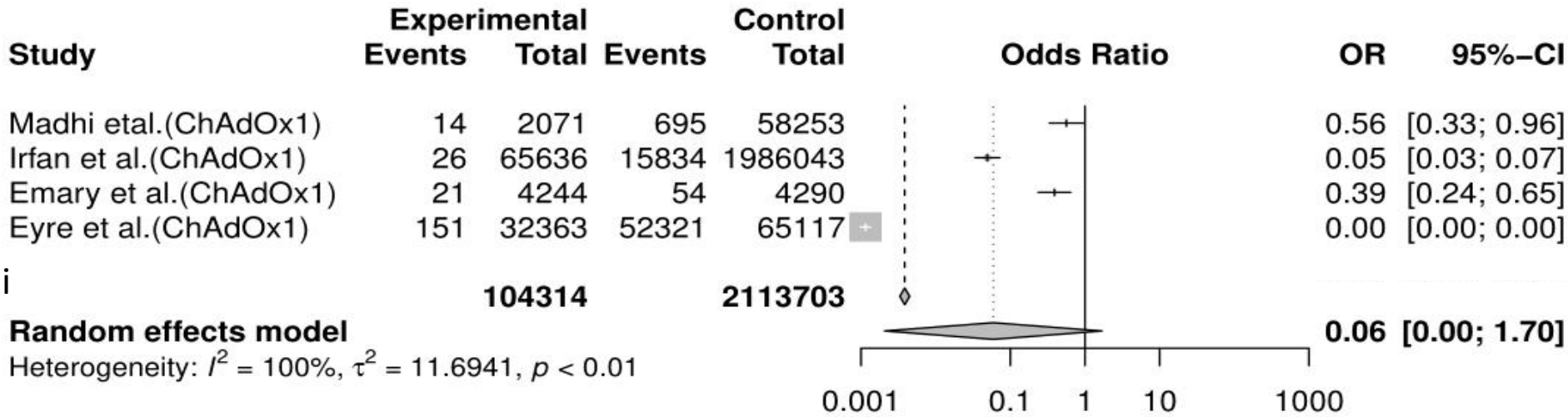
Heterogeneity: $I^2 = 100\%$, $\tau^2 = 2.5342$, $p = 0$



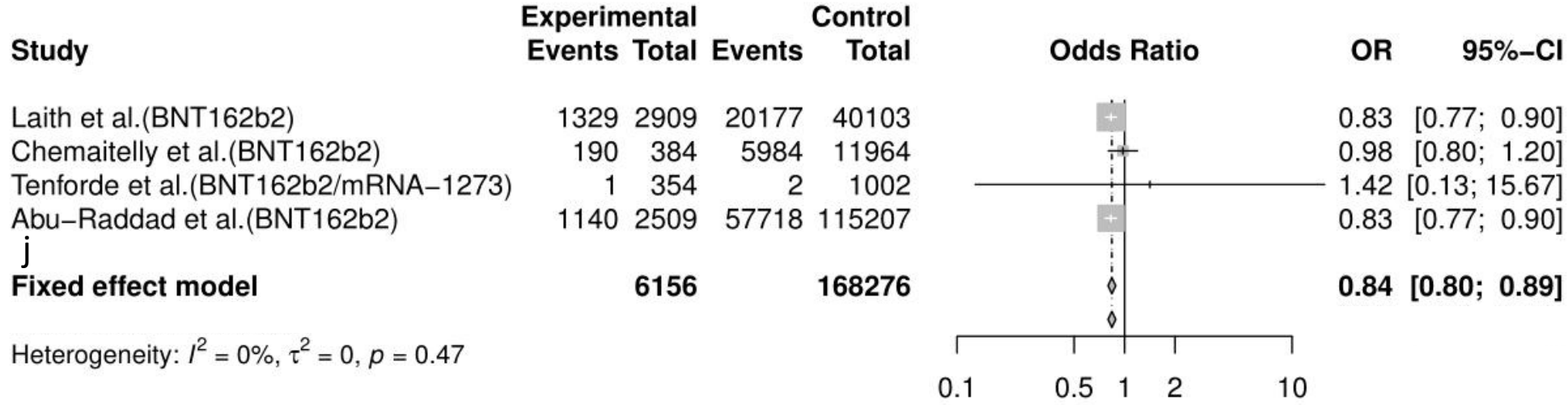
g


Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Heath et al.(NVX–CoV2373) 8 7020 58 7019 0.14 [0.07; 0.29]
Dunkle et al.(NVX–CoV2373) 4 17312 27 8140 0.07 [0.02; 0.20]
Fixed effect model 24332 15159 0.11 [0.06; 0.20]
Heterogeneity: I^2 = 7%, τ^2 = 0.0160, p = 0.30
0.1 0.5 1 2 10

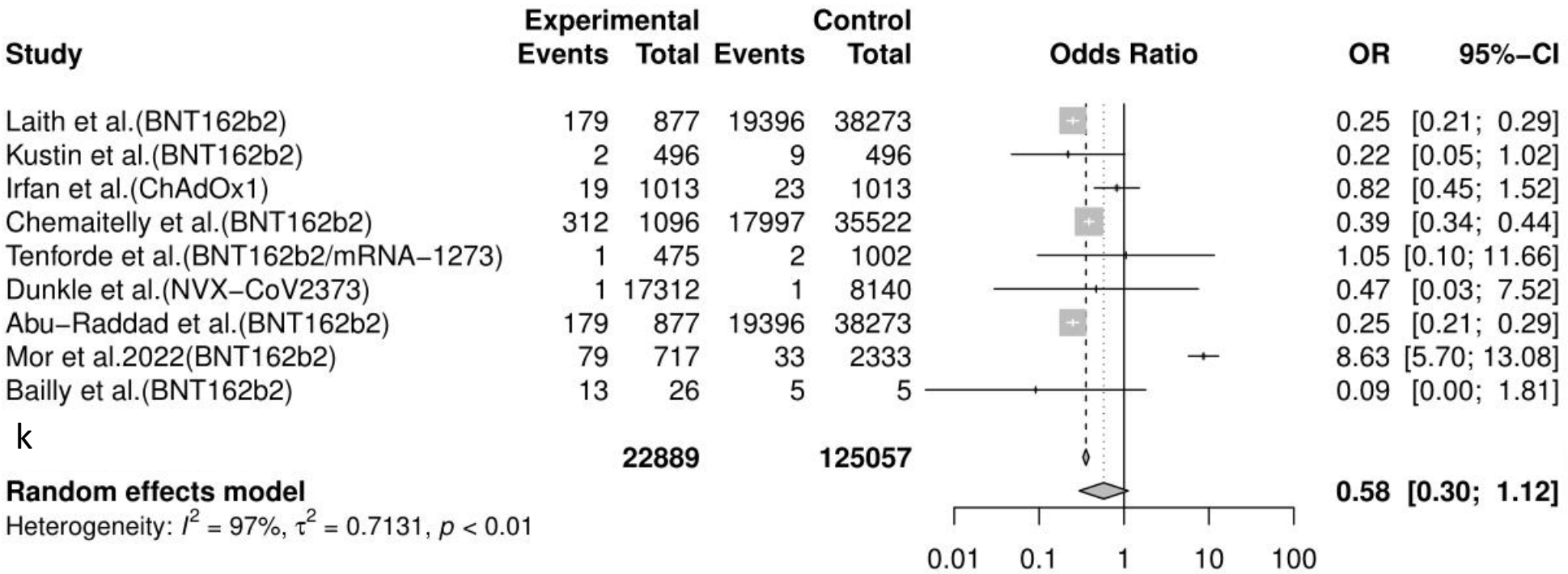
h


Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Madhi etal.(ChAdOx1) 14 2071 695 58253 0.56 [0.33; 0.96]
Irfan et al.(ChAdOx1) 26 65636 15834 1986043 0.05 [0.03; 0.07]
Emary et al.(ChAdOx1) 21 4244 54 4290 0.39 [0.24; 0.65]
Eyre et al.(ChAdOx1) 151 32363 52321 65117 0.00 [0.00; 0.00]
104314 2113703
Random effects model 0.06 [0.00; 1.70]
Heterogeneity: I^2 = 100%, τ^2 = 11.6941, p < 0.01
0.001 0.1 1 10 1000

i


Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Laith et al.(BNT162b2) 1329 2909 20177 40103 0.83 [0.77; 0.90]
Chemaitelly et al.(BNT162b2) 190 384 5984 11964 0.98 [0.80; 1.20]
Tenforde et al.(BNT162b2/mRNA–1273) 1 354 2 1002 1.42 [0.13; 15.67]
Abu–Raddad et al.(BNT162b2) 1140 2509 57718 115207 0.83 [0.77; 0.90]
Fixed effect model 6156 168276 0.84 [0.80; 0.89]
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.47
0.1
0.5
1
2
10

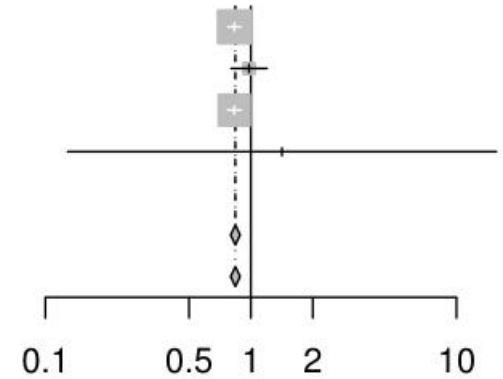
j


Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Laith et al.(BNT162b2) 179 877 19396 38273 0.25 [0.21; 0.29]
Kustin et al.(BNT162b2) 2 496 9 496 0.22 [0.05; 1.02]
Irfan et al.(ChAdOx1) 19 1013 23 1013 0.82 [0.45; 1.52]
Chemaitelly et al.(BNT162b2) 312 1096 17997 35522 0.39 [0.34; 0.44]
Tenforde et al.(BNT162b2/mRNA–1273) 1 475 2 1002 1.05 [0.10; 11.66]
Dunkle et al.(NVX–CoV2373) 1 17312 1 8140 0.47 [0.03; 7.52]
Abu–Raddad et al.(BNT162b2) 179 877 19396 38273 0.25 [0.21; 0.29]
Mor et al.2022(BNT162b2) 79 717 33 2333 8.63 [5.70; 13.08]
Bailly et al.(BNT162b2) 13 26 5 5 0.09 [0.00; 1.81]
Random effects model 22889 125057 0.58 [0.30; 1.12]
Heterogeneity: I^2 = 97%, τ^2 = 0.7131, p < 0.01
0.01
0.1
1
10
100

k

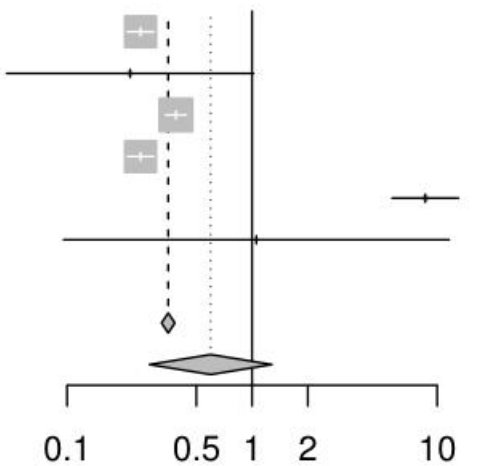
Study	Experimental Events	Experimental Total	Control Events	Control Total	OR	95%–CI
Laith et al.(BNT162b2)	1329	2909	20177	40103	0.83	[0.77; 0.90]
Chemaitelly et al.(BNT162b2)	190	384	5984	11964	0.98	[0.80; 1.20]
Abu–Raddad et al.(BNT162b2)	1140	2509	57718	115207	0.83	[0.77; 0.90]
Tenforde et al.(BNT162b2/mRNA–1273)	1	354	2	1002	1.42	[0.13; 15.67]
Fixed effect model		**6156**		**168276**	**0.84**	**[0.80; 0.89]**

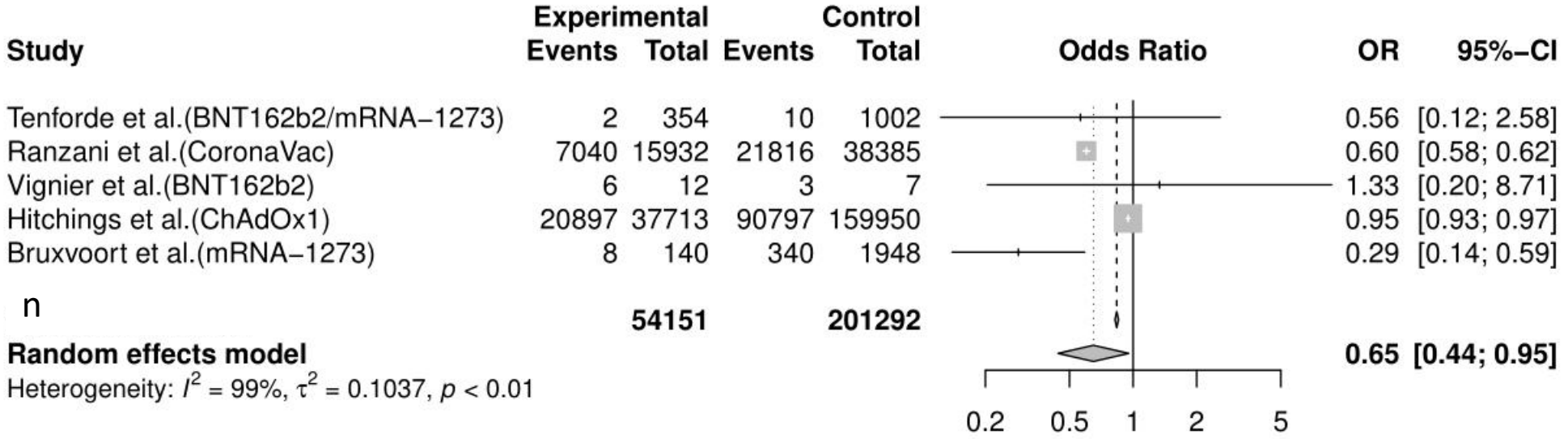
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.47$



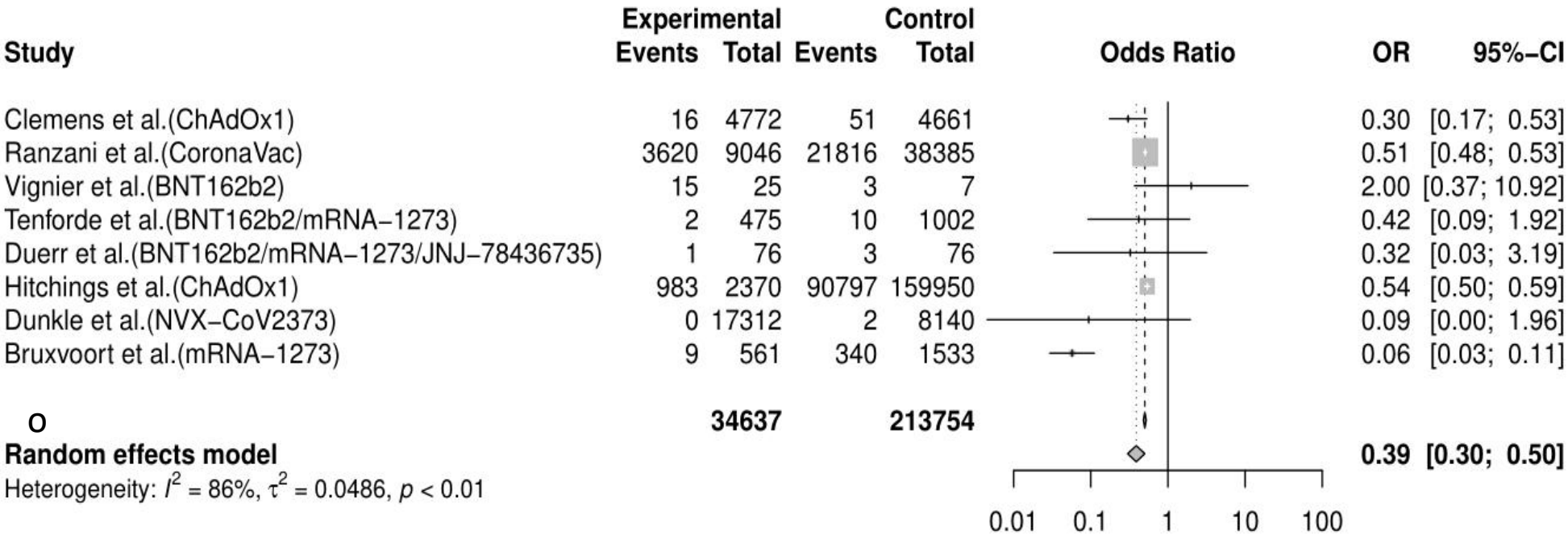
Study	Experimental Events	Experimental Total	Control Events	Control Total	OR	95%–CI
Laith et al.(BNT162b2)	179	877	19396	38273	0.25	[0.21; 0.29]
Kustin et al.(BNT162b2)	2	496	9	496	0.22	[0.05; 1.02]
Chemaitelly et al.(BNT162b2)	312	1096	17997	35522	0.39	[0.34; 0.44]
Abu–Raddad et al.(BNT162b2)	179	877	19396	38273	0.25	[0.21; 0.29]
Mor et al.2022.(BNT162b2)	79	717	33	2333	8.63	[5.70; 13.08]
Tenforde et al.(BNT162b2/mRNA–1273)	1	475	2	1002	1.05	[0.10; 11.66]
Random effects model		**4538**		**115899**	**0.60**	**[0.28; 1.28]**

Heterogeneity: $I^2 = 98\%$, $\tau^2 = 0.7275$, $p < 0.01$

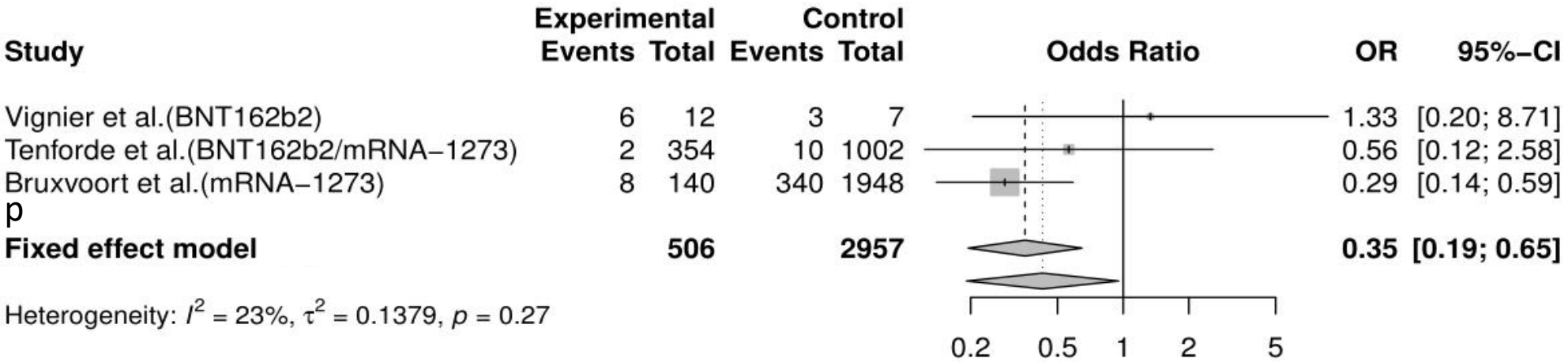


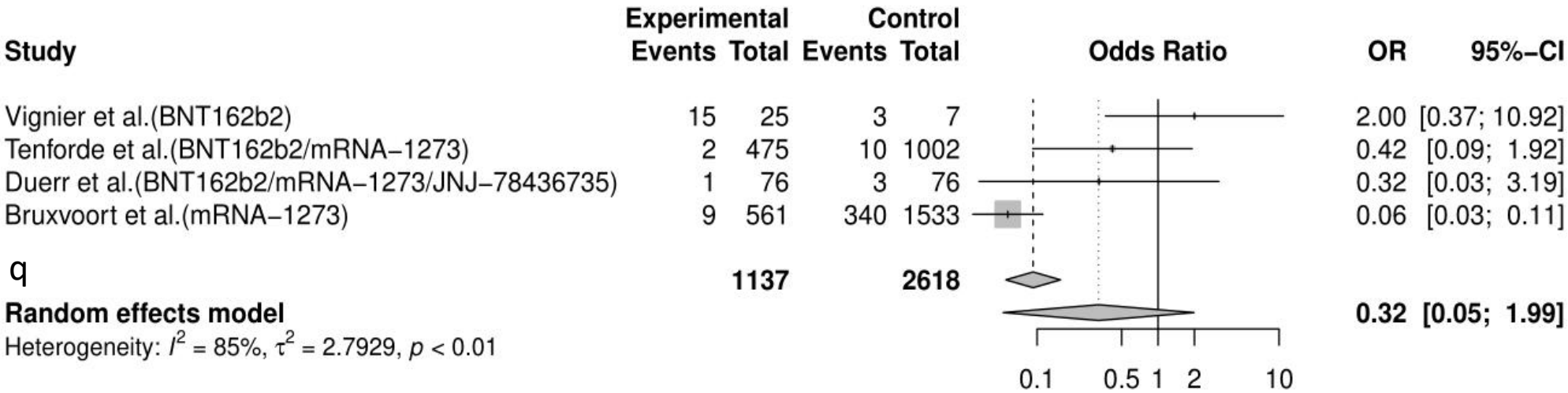

Study
Experimental
Events Total
Control
Events Total
Odds Ratio
OR 95%–CI
Tenforde et al.(BNT162b2/mRNA–1273) 2 354 10 1002 0.56 [0.12; 2.58]
Ranzani et al.(CoronaVac) 7040 15932 21816 38385 0.60 [0.58; 0.62]
Vignier et al.(BNT162b2) 6 12 3 7 1.33 [0.20; 8.71]
Hitchings et al.(ChAdOx1) 20897 37713 90797 159950 0.95 [0.93; 0.97]
Bruxvoort et al.(mRNA–1273) 8 140 340 1948 0.29 [0.14; 0.59]
54151 201292
Random effects model 0.65 [0.44; 0.95]
Heterogeneity: I^2 = 99%, τ^2 = 0.1037, p < 0.01
0.2 0.5 1 2 5

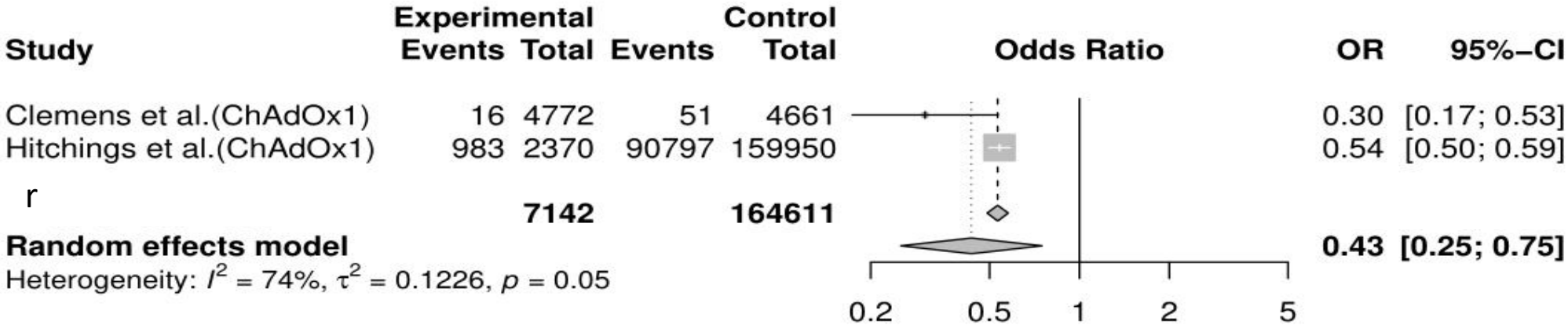
n


Study
Experimental
Events Total
Control
Events Total
Odds Ratio
OR 95%–CI
Clemens et al.(ChAdOx1) 16 4772 51 4661 0.30 [0.17; 0.53]
Ranzani et al.(CoronaVac) 3620 9046 21816 38385 0.51 [0.48; 0.53]
Vignier et al.(BNT162b2) 15 25 3 7 2.00 [0.37; 10.92]
Tenforde et al.(BNT162b2/mRNA–1273) 2 475 10 1002 0.42 [0.09; 1.92]
Duerr et al.(BNT162b2/mRNA–1273/JNJ–78436735) 1 76 3 76 0.32 [0.03; 3.19]
Hitchings et al.(ChAdOx1) 983 2370 90797 159950 0.54 [0.50; 0.59]
Dunkle et al.(NVX–CoV2373) 0 17312 2 8140 0.09 [0.00; 1.96]
Bruxvoort et al.(mRNA–1273) 9 561 340 1533 0.06 [0.03; 0.11]
34637 213754
Random effects model 0.39 [0.30; 0.50]
Heterogeneity: I^2 = 86%, τ^2 = 0.0486, p < 0.01
0.01 0.1 1 10 100

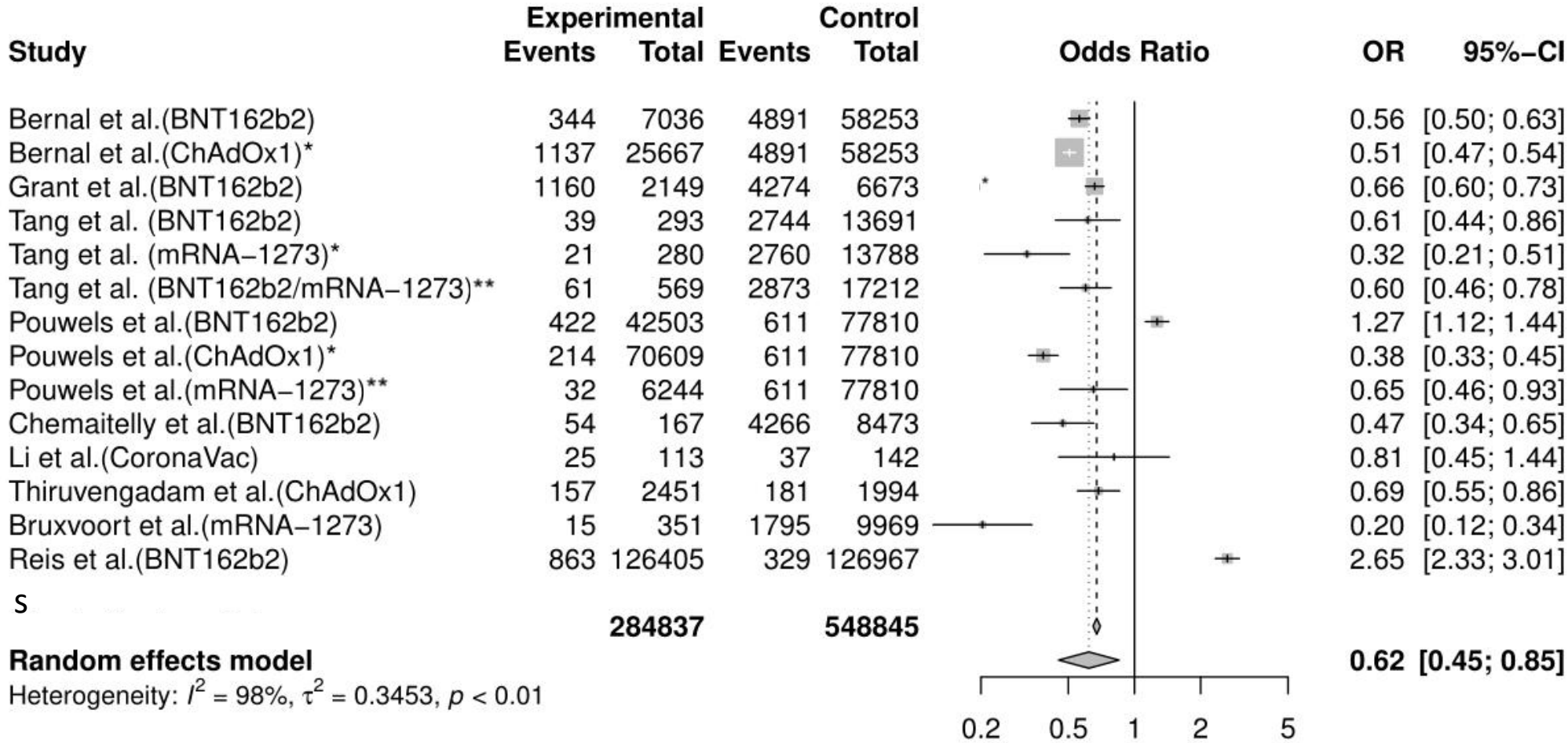
o


Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Vignier et al.(BNT162b2) 6 12 3 7 1.33 [0.20; 8.71]
Tenforde et al.(BNT162b2/mRNA–1273) 2 354 10 1002 0.56 [0.12; 2.58]
Bruxvoort et al.(mRNA–1273) 8 140 340 1948 0.29 [0.14; 0.59]
p
Fixed effect model 506 2957 0.35 [0.19; 0.65]
Heterogeneity: I^2 = 23%, τ^2 = 0.1379, p = 0.27
0.2 0.5 1 2 5

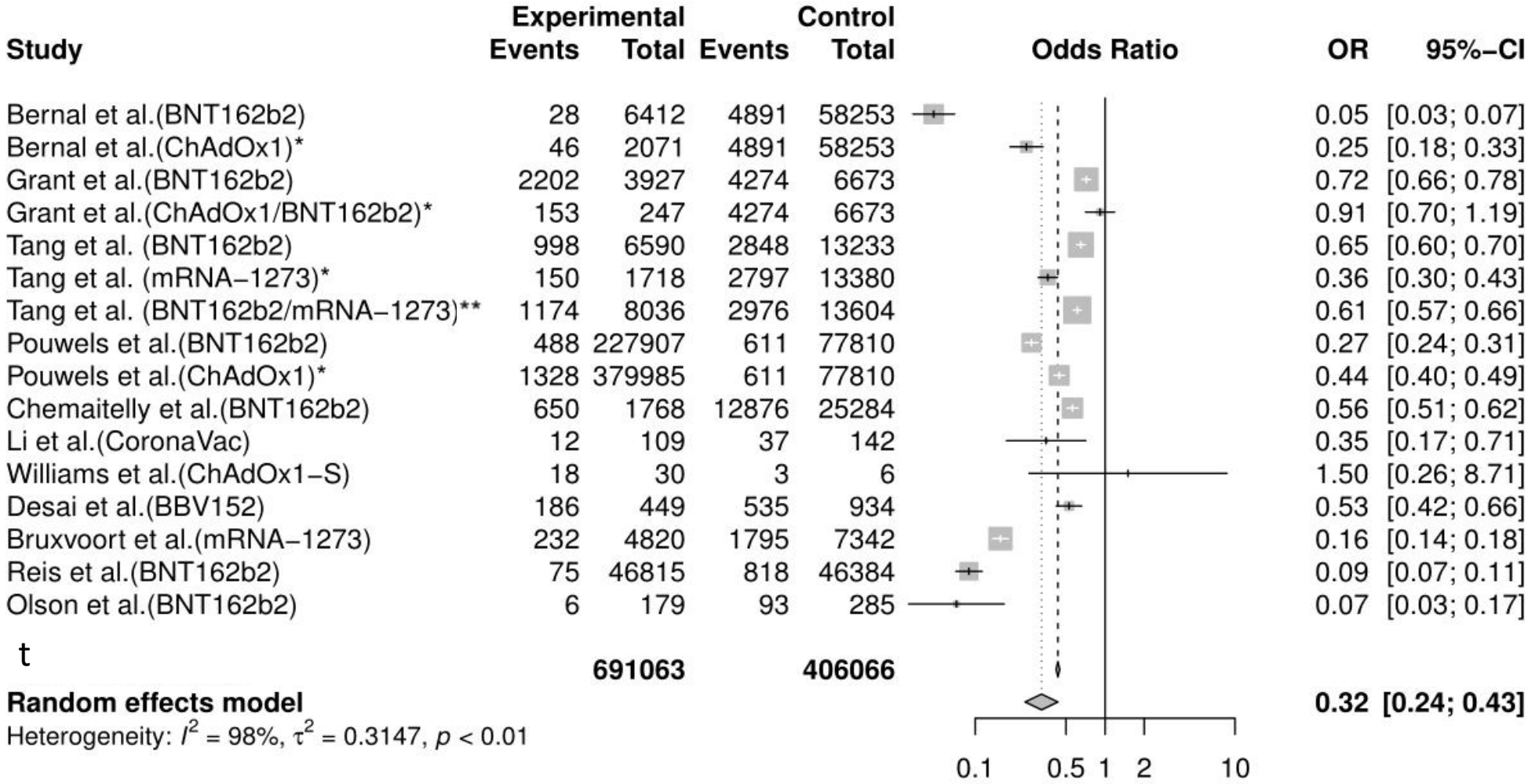

Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Vignier et al.(BNT162b2) 15 25 3 7 2.00 [0.37; 10.92]
Tenforde et al.(BNT162b2/mRNA–1273) 2 475 10 1002 0.42 [0.09; 1.92]
Duerr et al.(BNT162b2/mRNA–1273/JNJ–78436735) 1 76 3 76 0.32 [0.03; 3.19]
Bruxvoort et al.(mRNA–1273) 9 561 340 1533 0.06 [0.03; 0.11]
q
1137 2618
Random effects model 0.32 [0.05; 1.99]
Heterogeneity: I^2 = 85%, τ^2 = 2.7929, p < 0.01
0.1 0.5 1 2 10


Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Clemens et al.(ChAdOx1) 16 4772 51 4661 0.30 [0.17; 0.53]
Hitchings et al.(ChAdOx1) 983 2370 90797 159950 0.54 [0.50; 0.59]
7142 164611
Random effects model 0.43 [0.25; 0.75]
Heterogeneity: I^2 = 74%, τ^2 = 0.1226, p = 0.05
0.2 0.5 1 2 5

r

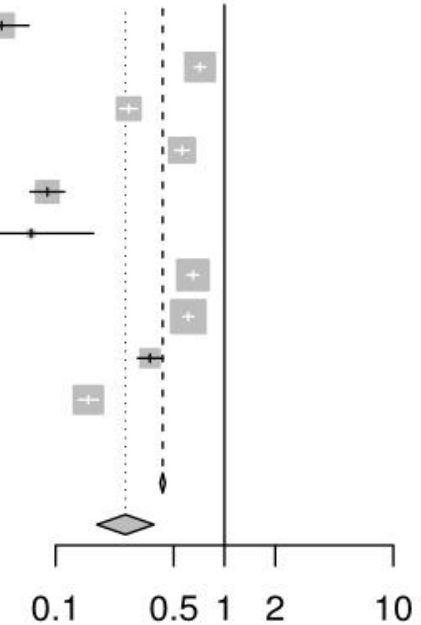

Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Bernal et al.(BNT162b2) 344 7036 4891 58253 0.56 [0.50; 0.63]
Bernal et al.(ChAdOx1)* 1137 25667 4891 58253 0.51 [0.47; 0.54]
Grant et al.(BNT162b2) 1160 2149 4274 6673 0.66 [0.60; 0.73]
Tang et al. (BNT162b2) 39 293 2744 13691 0.61 [0.44; 0.86]
Tang et al. (mRNA–1273)* 21 280 2760 13788 0.32 [0.21; 0.51]
Tang et al. (BNT162b2/mRNA–1273)** 61 569 2873 17212 0.60 [0.46; 0.78]
Pouwels et al.(BNT162b2) 422 42503 611 77810 1.27 [1.12; 1.44]
Pouwels et al.(ChAdOx1)* 214 70609 611 77810 0.38 [0.33; 0.45]
Pouwels et al.(mRNA–1273)** 32 6244 611 77810 0.65 [0.46; 0.93]
Chemaitelly et al.(BNT162b2) 54 167 4266 8473 0.47 [0.34; 0.65]
Li et al.(CoronaVac) 25 113 37 142 0.81 [0.45; 1.44]
Thiruvengadam et al.(ChAdOx1) 157 2451 181 1994 0.69 [0.55; 0.86]
Bruxvoort et al.(mRNA–1273) 15 351 1795 9969 0.20 [0.12; 0.34]
Reis et al.(BNT162b2) 863 126405 329 126967 2.65 [2.33; 3.01]
284837 548845
Random effects model 0.62 [0.45; 0.85]
Heterogeneity: I^2 = 98%, τ^2 = 0.3453, p < 0.01
0.2 0.5 1 2 5

s


Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%−CI
Bernal et al.(BNT162b2) 28 6412 4891 58253 0.05 [0.03; 0.07]
Bernal et al.(ChAdOx1)* 46 2071 4891 58253 0.25 [0.18; 0.33]
Grant et al.(BNT162b2) 2202 3927 4274 6673 0.72 [0.66; 0.78]
Grant et al.(ChAdOx1/BNT162b2)* 153 247 4274 6673 0.91 [0.70; 1.19]
Tang et al. (BNT162b2) 998 6590 2848 13233 0.65 [0.60; 0.70]
Tang et al. (mRNA−1273)* 150 1718 2797 13380 0.36 [0.30; 0.43]
Tang et al. (BNT162b2/mRNA−1273)** 1174 8036 2976 13604 0.61 [0.57; 0.66]
Pouwels et al.(BNT162b2) 488 227907 611 77810 0.27 [0.24; 0.31]
Pouwels et al.(ChAdOx1)* 1328 379985 611 77810 0.44 [0.40; 0.49]
Chemaitelly et al.(BNT162b2) 650 1768 12876 25284 0.56 [0.51; 0.62]
Li et al.(CoronaVac) 12 109 37 142 0.35 [0.17; 0.71]
Williams et al.(ChAdOx1−S) 18 30 3 6 1.50 [0.26; 8.71]
Desai et al.(BBV152) 186 449 535 934 0.53 [0.42; 0.66]
Bruxvoort et al.(mRNA−1273) 232 4820 1795 7342 0.16 [0.14; 0.18]
Reis et al.(BNT162b2) 75 46815 818 46384 0.09 [0.07; 0.11]
Olson et al.(BNT162b2) 6 179 93 285 0.07 [0.03; 0.17]
t
691063 406066
Random effects model 0.32 [0.24; 0.43]
Heterogeneity: I^2 = 98%, τ^2 = 0.3147, p < 0.01
0.1 0.5 1 2 10

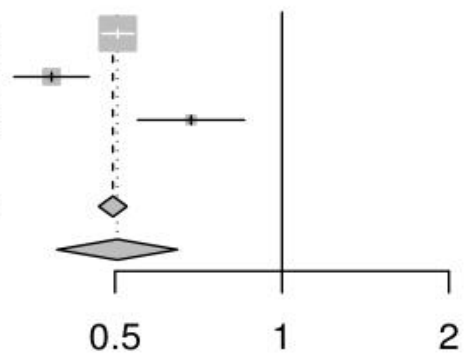
Study	Experimental Events	Experimental Total	Control Events	Control Total	OR	95%–CI
Bernal et al.(BNT162b2)	28	6412	4891	58253	0.05	[0.03; 0.07]
Grant et al.(BNT162b2)	2202	3927	4274	6673	0.72	[0.66; 0.78]
Pouwels et al.(BNT162b2)	488	227907	611	77810	0.27	[0.24; 0.31]
Chemaitelly et al.(BNT162b2)	650	1768	12876	25284	0.56	[0.51; 0.62]
Reis et al.(BNT162b2)	75	46815	818	46384	0.09	[0.07; 0.11]
Olson et al.(BNT162b2)	6	179	93	285	0.07	[0.03; 0.17]
Tang et al. (BNT162b2)	998	6590	2848	13233	0.65	[0.60; 0.70]
Tang et al.(BNT162b2/mRNA–1273)*	1174	8036	2976	13604	0.61	[0.57; 0.66]
Tang et al.(mRNA–1273)**	150	1718	2797	13380	0.36	[0.30; 0.43]
Bruxvoort et al.(mRNA–1273)	232	4820	1795	7342	0.16	[0.14; 0.18]
u						
		308172		**262248**		
Random effects model					**0.26**	**[0.18; 0.38]**

Heterogeneity: I^2 = 99%, τ^2 = 0.3785, p < 0.01



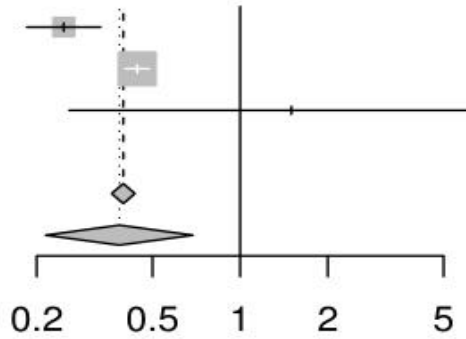
Study	Experimental Events	Experimental Total	Control Events	Control Total	OR	95%–CI
Madhi etal.(ChAdOx1)	1137	25667	4891	58253	0.51	[0.47; 0.54]
Irfan et al.(ChAdOx1)	214	70609	611	77810	0.38	[0.33; 0.45]
Thiruvengadam et al.(ChAdOx1)	157	2451	181	1994	0.69	[0.55; 0.86]
v						
		98727		**138057**		
Random effects model					**0.50**	**[0.39; 0.65]**

Heterogeneity: I^2 = 89%, τ^2 = 0.0427, p < 0.01



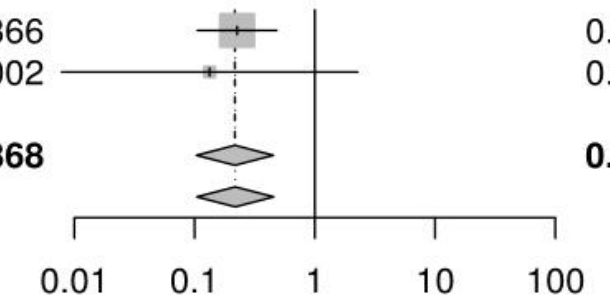
Study	Experimental Events	Experimental Total	Control Events	Control Total	OR	95%–CI
Madhi etal.(ChAdOx1)	46	2071	4891	58253	0.25	[0.18; 0.33]
Irfan et al.(ChAdOx1)	1328	379985	611	77810	0.44	[0.40; 0.49]
Williams et al.(ChAdOx1–S)	18	30	3	6	1.50	[0.26; 8.71]
w						
Random effects model		**382086**		**136069**	**0.38**	**[0.21; 0.69]**

Heterogeneity: $I^2 = 88\%$, $\tau^2 = 0.1828$, $p < 0.01$



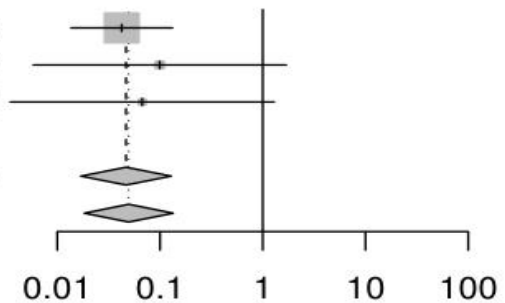
Study	Experimental Events	Experimental Total	Control Events	Control Total	OR	95%–CI
Bruxvoort et al.(mRNA–1273)	7	156	580	3366	0.23	[0.11; 0.48]
Tenforde et al.(BNT162b2/mRNA–1273)	0	354	10	1002	0.13	[0.01; 2.28]
x						
Fixed effect model		**510**		**4368**	**0.22**	**[0.10; 0.45]**

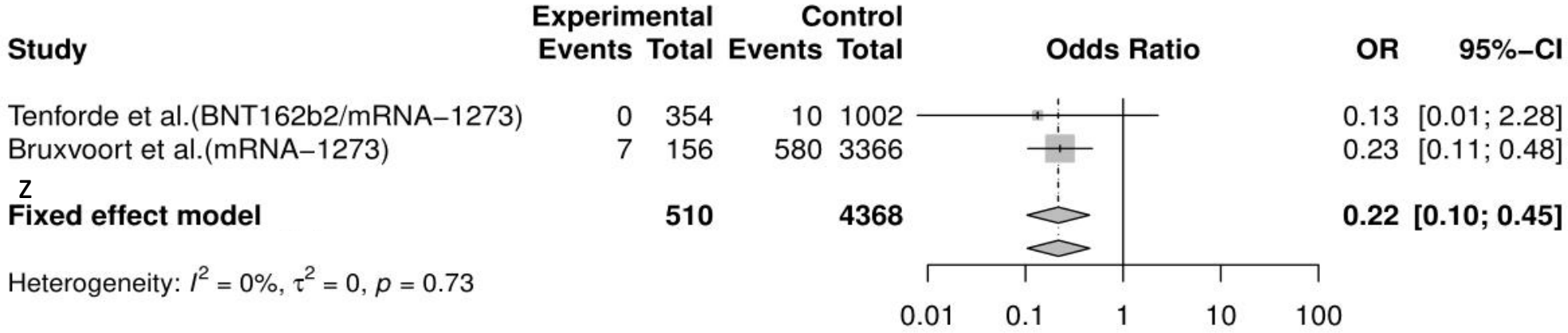
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.73$

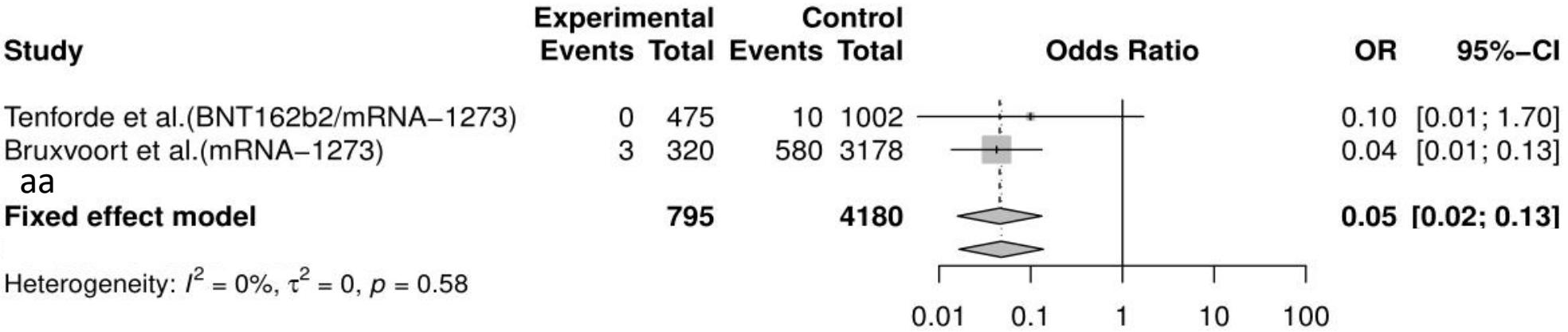


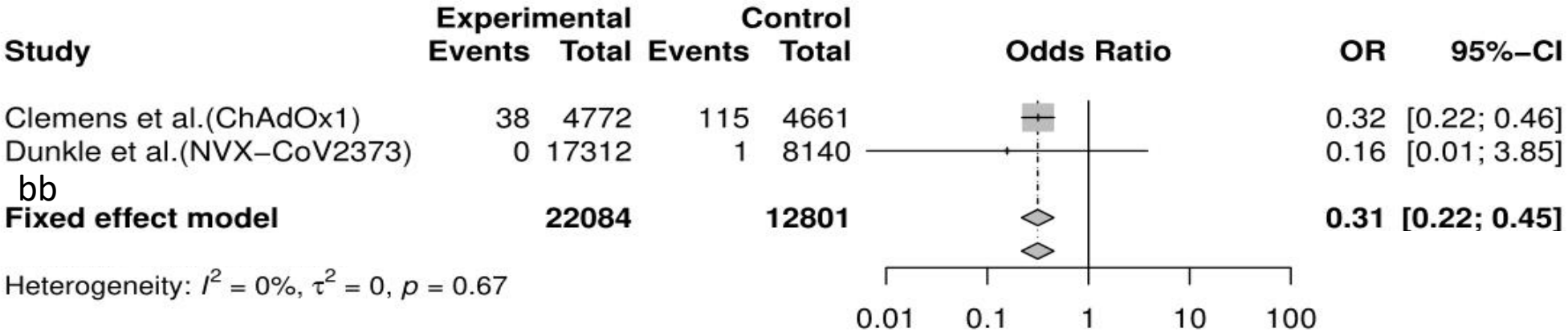
Study	Experimental Events	Experimental Total	Control Events	Control Total	OR	95%–CI
Bruxvoort et al.(mRNA–1273)	3	320	580	3178	0.04	[0.01; 0.13]
Tenforde et al.(BNT162b2/mRNA–1273)	0	475	10	1002	0.10	[0.01; 1.70]
Dunkle et al.(NVX–CoV2373)	0	17312	3	8140	0.07	[0.00; 1.30]
y						
Fixed effect model		**18107**		**12320**	**0.05**	**[0.02; 0.13]**

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.84$

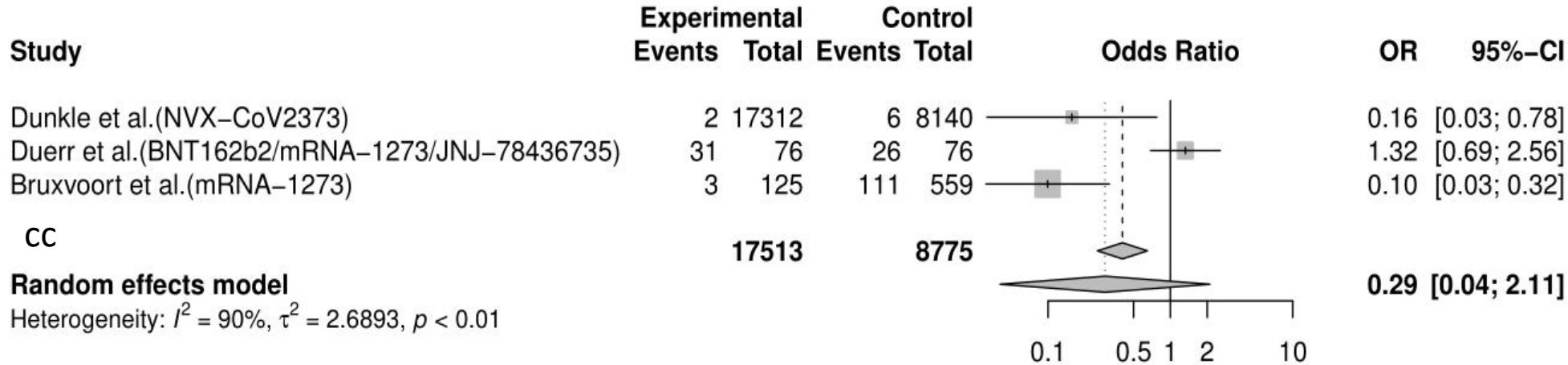



Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Tenforde et al.(BNT162b2/mRNA–1273) 0 354 10 1002 0.13 [0.01; 2.28]
Bruxvoort et al.(mRNA–1273) 7 156 580 3366 0.23 [0.11; 0.48]
z
Fixed effect model 510 4368 0.22 [0.10; 0.45]
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.73
0.01 0.1 1 10 100

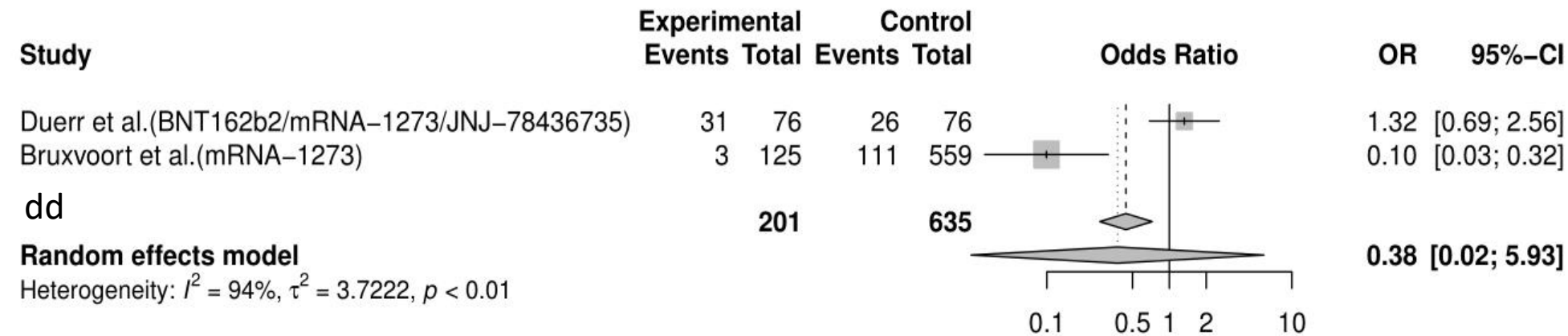

Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Tenforde et al.(BNT162b2/mRNA–1273) 0 475 10 1002 0.10 [0.01; 1.70]
Bruxvoort et al.(mRNA–1273) 3 320 580 3178 0.04 [0.01; 0.13]
aa
Fixed effect model 795 4180 0.05 [0.02; 0.13]
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.58
0.01 0.1 1 10 100


Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Clemens et al.(ChAdOx1) 38 4772 115 4661 0.32 [0.22; 0.46]
Dunkle et al.(NVX–CoV2373) 0 17312 1 8140 0.16 [0.01; 3.85]
Fixed effect model 22084 12801 0.31 [0.22; 0.45]
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.67
0.01 0.1 1 10 100

bb


Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Dunkle et al.(NVX–CoV2373) 2 17312 6 8140 0.16 [0.03; 0.78]
Duerr et al.(BNT162b2/mRNA–1273/JNJ–78436735) 31 76 26 76 1.32 [0.69; 2.56]
Bruxvoort et al.(mRNA–1273) 3 125 111 559 0.10 [0.03; 0.32]
Random effects model 17513 8775 0.29 [0.04; 2.11]
Heterogeneity: I^2 = 90%, τ^2 = 2.6893, p < 0.01
0.1 0.5 1 2 10

cc


Study
Experimental Events Total
Control Events Total
Odds Ratio
OR 95%–CI
Duerr et al.(BNT162b2/mRNA–1273/JNJ–78436735) 31 76 26 76 1.32 [0.69; 2.56]
Bruxvoort et al.(mRNA–1273) 3 125 111 559 0.10 [0.03; 0.32]
Random effects model 201 635 0.38 [0.02; 5.93]
Heterogeneity: I^2 = 94%, τ^2 = 3.7222, p < 0.01
0.1 0.5 1 2 10

dd