Figure 1. Meta-analysis and forest plots for symptoms of COVID-19 of pregnant women

A: Fever

| Study name | | Statist | ics for ea | ch study | | | | Event rate and 95% CI | | |
|--------------------------|----------|---------|------------|----------|---------|-------|-----------|-----------------------|-----------|---------------------------------------|
| | Event | Lower | Upper | Z-Value | p-Value | | | | | |
| Brealin et al., 2020 | 0,326 | 0,203 | 0,477 | -2,238 | 0,025 | 1 I | T I | | | T 1 |
| Buonsenso et al., 2020 | 0,500 | 0,059 | 0,941 | 0,000 | 1,000 | | | | | |
| Cao et al., 2020 | 0,700 | 0,376 | 0,900 | 1,228 | 0,220 | | | | | |
| Chen et al., 2020a | 0,778 | 0,421 | 0,944 | 1,562 | 0,118 | | | | | |
| Chen et al, 2020b | 0,712 | 0,624 | 0,786 | 4,450 | 0,000 | | | | | -11 |
| Chen et al., 2020d | 0,750 | 0,238 | 0,966 | 0,951 | 0,341 | | | | · · · | |
| Ferrazzia et al., 2020 | 0,476 | 0,332 | 0,625 | -0,308 | 0,758 | | | | | |
| Govind et al., 2020 | 0,444 | 0,177 | 0,749 | -0,333 | 0,739 | | | | | I |
| Hantoushzadeh et al., 20 | 20 0,950 | 0.525 | 0.997 | 2.029 | 0.042 | | | | | |
| Hirshberg et al., 2020 | 0,917 | 0,378 | 0,995 | 1,623 | 0,105 | | | | | |
| Juusela et al., 2020 | 0,500 | 0,059 | 0,941 | 0,000 | 1,000 | | | | | |
| Khan et al., 2020a | 0,667 | 0,154 | 0,957 | 0,566 | 0,571 | | | | | |
| Chan et al. 2020b | 0,176 | 0.058 | 0,427 | -2,421 | 0.015 | | | | | |
| Cournoutsea et al. 2020 | 0,833 | 0,194 | 0,990 | 1,039 | 0.299 | | | | | |
| i et al., 2020a | 0,250 | 0.097 | 0,508 | -1,903 | 0.057 | | | | | |
| Liao st al., 2020 | 0,500 | 0,225 | 0,775 | 0,000 | 1,000 | | | | | · · · · · · · · · · · · · · · · · · · |
| lu et al., 2020a | 0,867 | 0,595 | 0,966 | 2,464 | 0,014 | | | | | |
| Liu et al., 2020b | 0,579 | 0,356 | 0,774 | 0,685 | 0,493 | | | | | a 10 |
| lu et al., 2020c | 0,667 | 0,154 | 0,957 | 0,566 | 0,571 | | | | | |
| iu et al., 2020d | 0,769 | 0,478 | 0,924 | 1,829 | 0,067 | | | | | |
| Diancheng et al., 2020 | 0,179 | 0,076 | 0,364 | -3,093 | 0,002 | | | | | |
| Vu et al., 2020a | 0,125 | 0,017 | 0,537 | -1,820 | 0,069 | | | | | I |
| Vu et al., 2020b | 0,174 | 0,067 | 0,382 | -2,832 | 0,005 | | | | | |
| Cu et al., 2020 | 0,917 | 0,378 | 0,995 | 1,623 | 0,105 | | | | | |
| rang et al., 2020a | 0,154 | 0,039 | 0,451 | -2,218 | 0,027 | | | | | |
| rang et al., 2020b | 0,571 | 0,230 | 0,856 | 0,377 | 0,706 | | | | | _ |
| Yu et al., 2020 | 0,857 | 0,419 | 0,950 | 1,659 | 0.097 | | | | | |
| Zeng et al., 2020b | 0,242 | 0,126 | 0,415 | -2,805 | 0,005 | | | | | |
| Zhu et al., 2020 | 0,889 | 0,500 | 0,985 | 1,961 | 0,050 | | | | | |
| | 0,529 | 0,416 | 0,639 | 0,503 | 0,615 | | | | | |
| | | 1000 | | | | -1,00 | -0,50 | 0,00 | 0,50 | 1,00 |
| | | | | | | | Favours A | | Favours B | |
| | | | | | | | Favours A | | Favours B | |

| | | | | | | | - | | | | uared | |
|------------------------|------------------------|----------------|----------------|----------------|---------|--------|---------|-----------|----------------|-------------------|----------|-------|
| Numbe Model Studies | | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | I-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | 513 0,46° 529 0,416 | | 0,485 0,503 | 0,628 0,615 | 100,536 | 28 | 0,000 | 72,149 | 0,897 | 0,463 | 0,215 | 0,947 |

B: Cough

| Study name | | Statist | ics for ea | ch study | | | | Event rate and 95% CI | | |
|---------------------------|-------|---------|----------------|----------|---------|-------|-----------|-----------------------|-----------|------|
| | vent | Lower | Upper limit | Z-Value | p-Value | | | | | |
| Breslin et al., 2020 | 0,442 | 0,302 | 0,591 | -0,761 | 0,447 | 1 | 1 | 1 | <u> </u> | |
| Juonsenso et al., 2020 | 0,833 | 0,194 | 0,990 | 1,039 | 0,299 | | | - | | |
| lao et al., 2020 | 0,100 | 0,014 | 0,467 | -2,084 | 0,037 | | | | | |
| then et al., 2020a | 0,444 | 0,177 | 0,749 | -0,333 | 0,739 | | | | | |
| then et al., 2020b | 0,695 | 0,606 | 0,771 | 4,117 | 0,000 | | | ~ | | - |
| then et al., 2020c | 0,200 | 0,027 | 0,691 | -1,240 | 0,215 | | | | | |
| hen et al., 2020d | 0,500 | 0,123 | 0,877 | 0,000 | 1,000 | | | | | |
| errazzia et al., 2020 | 0,429 | 0,289 | 0,580 | -0,923 | 0,356 | | | | | |
| lovind et al., 2020 | 0,889 | 0,500 | 0,985 | 1,961 | 0,050 | | | 1 | | |
| antoushzadeh et al., 2020 | 0,950 | 0,525 | 0,997 | 2,029 | 0,042 | | | 1 | | |
| irshberg et al., 2020 | 0,800 | 0,309 | 0,973 | 1,240 | 0,215 | | | 1 | | + |
| Chan et al., 2020a | 0,875 | 0,266 | 0,993 | 1,287 | 0,198 | | | 1 | - | |
| han et al., 2020b | 0,353 | 0,168 | 0,596 | -1,194 | 0,232 | | | | | |
| oumoutsea et al., 2020 | 0,833 | 0,194 | 0,990 | 1,039 | 0,299 | | | | | |
| i et al., 2020a | 0,029 | 0,002 | 0,336 | -2,436 | 0,015 | | | • | | - CO |
| lao et al., 2020 | 0,300 | 0,100 | 0,624 | -1,228 | 0,220 | | | | | |
| lu et al., 2020a | 0,600 | 0,348 | 0,808 | 0,769 | 0,442 | | | | | - |
| lu et al., 2020b | 0,263 | 0,114 | 0,498 | -1,976 | 0,048 | | | | · | |
| lu et al., 2020c | 0,667 | 0,154 | 0,957 | 0,566 | 0,571 | | | | | |
| u et al., 2020d | 0,154 | 0,039 | 0,451 | -2,218 | 0,027 | | | | | |
| liancheng et al., 2020 | 0,250 | 0,124 | 0,439 | -2,517 | 0,012 | | | | + | |
| /u et al., 2020a | 0,056 | 0,003 | 0,505 | -1,947 | 0,052 | | | | | |
| Vu et al., 2020b | 0,261 | 0,122 | 0,472 | -2,193 | 0,028 | | | | | |
| u et al., 2020 | 0,400 | 0,100 | 0,800 | -0,444 | 0,657 | | | | | |
| ang et al., 2020b | 0,143 | 0,020 | 0,581 | -1,659 | 0,097 | | | | | |
| 'u et al., 2020 | 0,143 | 0,020 | 0,581 | -1,659 | 0,097 | | | I | | |
| eng et al., 2020b | 0,303 | 0,171 | 0,477 | -2,199 | 0,028 | | | | | |
| hu et al., 2020 | 0,444 | 0,177 | 0,749 | -0,333 | 0,739 | | | | | |
| | 0,403 | 0,307 | 0,507 | -1,824 | 0,068 | 1 | | | | |
| | | | | | | -1,00 | -0,50 | 0,00 | 0,50 | 1,00 |
| | | | | | | | Favours A | | Favours B | |

| Model | | Effect siz | e and 95% | interval | Test of nul | l (2-Tail) | | Hetero | geneity | | | Tau-sq | uared | |
|-----------------|-------------------|-------------------|----------------|----------------|------------------|----------------|---------|--------|---------|-----------|-----------------|-------------------|----------|-------|
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | T au Squared | Standard Error | Variance | Tau |
| Fixed Random | 28 28 | 0,462 0,403 | 0,412 0,307 | 0,513 0,507 | -1,459 -1,824 | 0,144 0,068 | 79,748 | 27 | 0,000 | 66,143 | 0,645 | 0,360 | 0,129 | 0,803 |

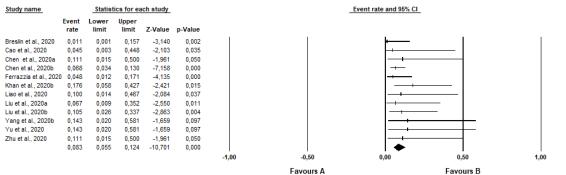
C: Dyspnea/shortness of breath

| Study name | | Statist | ics for ea | ch study | | | | Event rate and 95% CI | | |
|-------------------------|----------|---------|----------------|----------|---------|-------|-----------|-----------------------|-----------|------|
| | Event | Lower | Upper limit | Z-Value | p-Value | | | | | |
| Breslin et al., 2020 | 0,163 | 0,080 | 0,304 | -3,964 | 0,000 | 1 | E | · | - | 1 |
| Juonsenso et al., 2020 | 0,500 | 0,059 | 0,941 | 0,000 | 1,000 | | | | | |
| then et al., 2020a | 0,111 | 0,015 | 0,500 | -1,961 | 0,050 | | | | | |
| then et al., 2020b | 0,068 | 0,034 | 0,130 | -7,158 | 0,000 | | | | | |
| hen et al., 2020c | 0,083 | 0,005 | 0,622 | -1,623 | 0,105 | | | | | |
| hen et al., 2020d | 0,500 | 0,123 | 0,877 | 0,000 | 1,000 | | | | | |
| errazzia et al., 2020 | 0,190 | 0,098 | 0,337 | -3,682 | 0,000 | | | | | |
| lovind et al., 2020 | 0,444 | 0,177 | 0,749 | -0,333 | 0,739 | | | | | - |
| antoushzadeh et al., 20 | 20 0,667 | 0,333 | 0,889 | 0,980 | 0,327 | | | | | |
| rshberg et al., 2020 | 0,800 | 0,309 | 0,973 | 1,240 | 0,215 | | | | | |
| uusela et al., 2020 | 0,500 | 0,059 | 0,941 | 0,000 | 1,000 | | | | | |
| han et al., 2020b | 0,118 | 0,030 | 0,368 | -2,677 | 0,007 | | | | | |
| i et al., 2020a | 0,029 | 0,002 | 0,336 | -2,436 | 0,015 | | | • | _ | |
| iao et al., 2020 | 0,045 | 0,003 | 0,448 | -2,103 | 0,035 | | | + | | |
| lu et al., 2020a | 0,067 | 0,009 | 0,352 | -2,550 | 0,011 | | | | | |
| u et al., 2020d | 0,231 | 0,076 | 0,522 | -1,829 | 0,067 | | | | | |
| liancheng et al., 2020 | 0,071 | 0,018 | 0,245 | -3,495 | 0,000 | | | | | |
| u et al., 2020 | 0,400 | 0,100 | 0,800 | -0,444 | 0,657 | | | | | |
| 'u et al., 2020 | 0,143 | 0,020 | 0,581 | -1,659 | 0,097 | | | | | |
| | 0,207 | 0,130 | 0,312 | -4,755 | 0,000 | | | | - | |
| | | | | | | -1,00 | -0,50 | 0,00 | 0,50 | 1,00 |
| | | | | | | | Favours A | | Favours B | |

| Model | | Eff | fect size | and 95% in | terval | Test of nu | ll (2-Tail) | | Hetero | geneity | | | Tau-se | quared | |
|--------------------------|----------------|----------------|----------------|----------------|----------------|------------------|----------------|---------|--------|---------|-------------|----------------|-------------------|----------|-------|
| Model | Numb Studie | | oint I mate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | I-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | | 19 19 | 0,178 0,207 | 0,136 0,130 | 0,229 0,312 | -9,435 -4,755 | 0,000 0,000 | 43,114 | 18 | 0,001 | 58,250 | 0,742 | 0,492 | 0,242 | 0,861 |
| D: Tiredne | ss/fa | tigue | e/my | algia | | | | | | | | | | | |
| Study name | | Statist | ics for e | ach study | | | | | | Event r | ate and 95% | <u>cı</u> | | | |
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | | | | |
| Breslin et al., 2020 | 0,256 | 0,148 | 0,405 | -3,055 | 0,002 | 1 | | 1 | | | | | 1 | | |
| Cao et al., 2020 | 0,100 | 0,014 | 0,467 | -2,084 | 0,037 | | | | | | | | - 1 | | |
| Chen et al., 2020a | 0,333 | 0,111 | 0,667 | -0,980 | 0,327 | | | | | | | | | _ | |
| hen et al., 2020b | 0,161 | 0,105 | 0,239 | -6,590 | 0,000 | | | | | | | | | | |
| Chen et al., 2020c | 0,083 | 0,005 | 0,622 | -1,623 | 0,105 | | | | | | | | - | | |
| hen et al., 2020d | 0,500 | 0,123 | 0,877 | 0,000 | 1,000 | | | | | | | | | | - |
| errazzia et al., 2020 | 0,167 | 0,082 | 0,310 | -3,887 | 0,000 | | | | | | | | | | |
| Sovind et al., 2020 | 0,556 | 0,251 | 0,823 | 0,333 | 0,739 | | | | | | | | | | |
| lantoushzadeh et al., 20 | 020 0,444 | 0,177 | 0,749 | -0,333 | 0,739 | | | | | | | | | | |
| lirshberg et al., 2020 | 0,200 | 0,027 | 0,691 | -1,240 | 0,215 | | | | | | | + | _ | | |
| iao et al., 2020 | 0,100 | 0,014 | 0,467 | -2,084 | 0,037 | | | | | | | | - | | |
| iu et al., 2020a | 0,267 | 0,104 | 0,533 | -1,733 | 0,083 | | | | | | | | | | |
| iu et al., 2020d | 0,231 | 0,076 | 0,522 | | | | | | | | | | | | |
| Diancheng et al., 2020 | 0,036 | 0,005 | 0,214 | | | | | | | | -+ | _ | | | |
| (u et al., 2020 | 0,083 | 0,005 | 0,622 | | | | | | | | | | _ | | |
| | 0,211 | 0,168 | 0,263 | -9,034 | 0,000 | | | | | | | • | | | |
| | | | | | | -1,00 | | -0,50 | | | 0,00 | | 0,50 | | 1,00 |
| | | | | | | | | Favours | | | | _ | avours B | | |

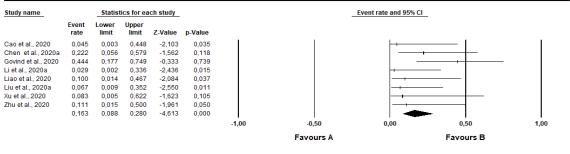
| MUURI | | - Ellect si | ze anu 55% | ntervar | rest of hu | ii (2-1 ali) — — — — | | | igeneity | | | | luaieu | |
|-----------------|-------------------|-------------------|----------------|----------------|------------------|---------------------------------|---------|--------|----------|-----------|----------------|-------------------|----------|-------|
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | 15 15 | 0,211 0,223 | 0,168 0,162 | 0,263 0,298 | -9,034 -6,254 | 0,000 0,000 | 19,773 | 14 | 0,137 | 29,198 | 0,148 | 0,202 | 0,041 | 0,385 |
| г р' 1 | | | | | | | | | | | | | | |





| Model | | | Effect siz | e and 95% | interval | Test of nu | ıll (2-Tail) | | Heter | ogeneity | | | Tau-se | quared | |
|--------|-------------|----|-------------------|----------------|----------------|------------|--------------|---------|--------|----------|-----------|----------------|-------------------|----------|-----|
| Model | Num Stud | | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed | | 12 | 0,083 | 0,055 | 0,124 | -10,701 | 0,000 | 6,202 | 11 | 0,860 | 0,000 | 0,000 | 0,289 | 0,084 | 0,0 |
| Random | | 12 | 0,083 | 0,055 | 0,124 | -10,701 | 0,000 | 0,202 | | 0,000 | 0,000 | 0,000 | 0,200 | 0,000 | |

| F: Sore throat | |
|----------------|--|
|----------------|--|



| Model | | Effect siz | e and 95%: | interval | Test of nu | ll (2-Tail) | | Heter | ogeneity | | | Tau-so | juared | |
|-----------------|-------------------|-------------------|----------------|----------------|------------------|----------------|---------|--------|----------|-----------|----------------|-------------------|----------|-------|
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | 8 | 0,163 | 0,088 0,070 | 0,280 0,276 | -4,613 -4,283 | 0,000 0,000 | 8,954 | 7 | 0,256 | 21,826 | 0,296 | 0,730 | 0,534 | 0,544 |

G: Chest tightness/pain

| Note of the set of the s | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | |
|---|--|--|---|--|---|--|--------------------------------|--------------------|--------------------|--|------------------|--|-------------------|-------|
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | Study name | - | Statistics for | each study | | | | | Event ra | ate and 95% Cl | _ | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | | | | r t Z-Value | p-Value | | | | | | | | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | Breslin et al., 2020 | 0,116 | 0,049 0,25 | 51 -4,263 | 0,000 | 1 | | 1 | | | - 1 | 1 | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | Cao et al., 2020 | | | | | | | | | | | | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | Chen et al., 2020a | | | | | | | | | - | | | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | - | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | iao et al., 2020 | | | | | | | | | | | | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | u et al., 2020 | 0,200 | 0,027 0,69 | 91 -1,240 | 0,215 | | | | | + | | | |
| Protect A | Prome bit Prom | | 0,154 | 0,109 0,21 | 12 -8,496 | 0,000 | 1 | | | | - | I | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | -1,00 | | -0,50 | | 0,00 | 0,50 | 1,00 | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | Favours | A | | Favours B | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | | | | | |
| Value Statute Tank ed 7 6 3.100 0.212 6.68 0.000 2.214 6 0.000 0.000 0.000 0.222 0.014 0.000 Line Line <thli< td=""><td>Indit Studies number instant Inst Zvada Pvada G vada If (D) Pvada Stage Event Event<td>Model</td><td></td><td>Effect siz</td><td>ze and 95% int</td><td>terval</td><td>Test of nu</td><td>ıll (2-Tail)</td><td></td><td>Heterogeneity</td><td></td><td>T au-squared</td><td></td></td></thli<> | Indit Studies number instant Inst Zvada Pvada G vada If (D) Pvada Stage Event Event <td>Model</td> <td></td> <td>Effect siz</td> <td>ze and 95% int</td> <td>terval</td> <td>Test of nu</td> <td>ıll (2-Tail)</td> <td></td> <td>Heterogeneity</td> <td></td> <td>T au-squared</td> <td></td> | Model | | Effect siz | ze and 95% int | terval | Test of nu | ıll (2-Tail) | | Heterogeneity | | T au-squared | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | Model | | | Lower I limit | Upper limit | Z-value | P-value | Q-value | df (Q) P-value | l-squared | Tau Standard Squared Error Variance | Tau | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 5 | | 7 0154 | 0.100 | 0.010 | 0.400 | 0.000 | 2014 | C 0.055 | 0.000 | 0.000 0.070 0.074 | 0.000 | |
| If Runny/congestion nose Introduction noise Introduction noise Introduction noise Introduction noise Introduction noise Introduction noise Introduction noise Introduction noise Introduction noise Introduction noise Introduction noise Introduction noise Introduction noise Introduction noise Introduction noise Introduction noise Introduction noise <th colspan<="" td=""><td>Strumy/congestion nose: Strumy/congestion nose:</td><td>∙ixed Random</td><td></td><td></td><td></td><td></td><td></td><td></td><td>2,614</td><td>6 0,856</td><td>0,000</td><td>0,000 0,272 0,074</td><td>0,000</td></th> | <td>Strumy/congestion nose: Strumy/congestion nose:</td> <td>∙ixed Random</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2,614</td> <td>6 0,856</td> <td>0,000</td> <td>0,000 0,272 0,074</td> <td>0,000</td> | Strumy/congestion nose: | ∙ixed Random | | | | | | | 2,614 | 6 0,856 | 0,000 | 0,000 0,272 0,074 | 0,000 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | J. Dunny | loong | | | | | | | | | | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1: Kunny | /conge | stion n | lose | | | | | | | | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | tudy name | | | | <u>y</u> | | | | _Event r | ate and 95% C | <u>.</u> | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | mit Z-Valu | e p-Value | | | | | | | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | Chen et al., 2020c | | | | | | | I | | 1 | | J | |
| $ \frac{1}{1000} = \frac{1}{1000} \left(\begin{array}{c} 0.000 \\ 0.007 \\ 0.017 \\ 0.070 \\ 0.027 \\ 0.070 \\ 0.027 \\ 0.070 \\ 0.222 \\ 0.070 \\ 0.222 \\ 0.070 \\ 0.222 \\ 0.070 \\ 0.222 \\ 0.070 \\ 0.222 \\ 0.070 \\ 0.222 \\ 0.070 \\ 0.222 \\ 0.070 \\ 0.222 \\ 0.070 \\ 0.027 \\ 0.020 \\ 0.020 \\ 0.020 \\ 0.020 \\ 0.020 \\ 0.020 \\ 0.020 \\ 0.020 \\ 0.020 \\ 0.020 \\ 0.000 \\ 0.0$ | $ \frac{1}{1000} \frac{1}{1000} = \frac{1}{1000} \frac{1}{1000} = \frac{1}{1000} \frac{1}{10000} \frac{1}{1000} 1$ | an et al., 2020 | 0,833 | 0,194 0 | 0,990 1,03 | 9 0,299 | | | | | | | | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | | | | | | | | | | | | I | |
| 0.147 0.707 0.282 4.177 0.00 1.00 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | han et al., 2020b | 0,118 | 0,030 0 | 0,368 -2,67 | 7 0,007 | | | | | | <u> </u> | | |
| $-1.00 	 0.50 	 0.00 	 0.50 	 0.50 	 1.00 	 Farcurs A 	 Farcurs B$ $\frac{1}{100} 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 	 1.00 $ | -1.50 	 -0.50 	 0.00 	 0.50 	 0.50 	 1.00 	 Farcurs A 	 Farcurs B | u et al., 2020b | | | | | | | | | | | I | |
| India Encode Tende of the constraints Tende of the | Farry Farr | | 0,147 | 0,070 0 | | . 3,000 | -1,0 | 0 | -0,50 |) | 0,00 | 0,50 | 1,00 | |
| $ \frac{1}{1000} \qquad 1 \\ \frac{1}{1000} \qquad \frac{1}{1000} $ | $ \frac{1}{12} \qquad \qquad$ | | | | | | | | | | | | | |
| | Number Petitisk Immer Upper Z-value P-value 0-value of (1) P-value 1-sequend Tage of Standard Valence Tage edm 6 0.157 0.003 0.232 4.177 0.000 6.64 5 0.232 27.049 0.411 0.955 0.932 0.641 HeadCache Experime Statistics for each study Event rate and 95% CI Event rate and 9 | | | | | | | | Favour | s A | | Favours B | | |
| | Number Petitisk Immer Upper Z-value P-value 0-value of (1) P-value 1-sequend Tage of Standard Valence Tage edm 6 0.157 0.003 0.232 4.177 0.000 6.64 5 0.232 27.049 0.411 0.955 0.932 0.641 HeadCache Experime Statistics for each study Event rate and 95% CI Event rate and 9 | | | | 1058 | | | | | | | . | | |
| Value Studie existing Imit Z value P value Q value Q (Q) P value Stude Error Low Low Low eved 6 0.147 0.070 0.321 4.177 0.000 5.854 5 0.222 27.949 0.411 0.555 0.532 0.541 : HeadLache Event rate and 55% (1 Event | odd Studies exitiant Init Init Init Value Prake Under a (10) Prake Squared Error Value Tau ed 5 0.157 0.070 0.232 4.177 0.000 6.694 5 0.232 27.049 0.411 0.985 0.332 0.641 Headache Entitation for each study Event colspan="4">Covert cate and 95% CL Ferret Source Date | 10del | | Effect size a | and 35% interv | al le | st of null (2- | aiij | Hete | erogeneity | | l au-squared | | |
| andom 6 0.15 0.04 0.31 0.35 0.01 : Headache Lady name Ferent rate and 95% CI Frent rate Frent rate and 95% CI Frent rate and 95% CI Frent rate, 20200 0.060 0.022 0.031 -2.49 0.021 0.001 Favours A Ferent rate and 95% CI Free rate, 2020 0.060 CI 0.062 0.021 Ferent rate and 95% CI Favours A Favours B Favours A Favours B Statistics for each study Text of null [2-Tai] Heterogeneity Tau-squared Statistics for each study Effect size and 95% interval Text of null [2-Tai] Heterogeneity Tau-squared Tau Statistics for each study Tau Colspan="4">Statistics for each study Let or null [2-Tai] Heterogeneity Tau-squared Tau | min 6 0.37 0.081 0.31 3.251 0.001 Headacha Lay mane Event rate and 9% C1 Fast Fast <th< td=""><td>lodel</td><td>Number Studies</td><td>Point L estimate</td><td></td><td>er it Z-</td><td>value P-va</td><td>alue Q</td><td>)-value df (Q)</td><td>P-value I-squar</td><td>Tau ed Square</td><td>Standard ed Error Variance Tau</td><td></td></th<> | lodel | Number Studies | Point L estimate | | er it Z- | value P-va | alue Q |)-value df (Q) | P-value I-squar | Tau ed Square | Standard ed Error Variance Tau | | |
| Production: Interview Upper Vertical constraints | Production: Structure for each struct Structure for each struct Structure for each struct Structure for each | Fixed | | | | | | | 6,854 | 5 0,232 27, | 049 0,4 | 411 0,965 0,932 0,641 | | |
| Intry name Statistics for each study. Ivent rate and 95% CI. First Convert Upper 1013 -7.65 0.000 1.00 0.000 | Ling Statistics for each study. Levent rate and 95% CL esch et al. 2020 0.056 0.026 0.236 0.236 0.236 0.236 0.236 0.236 0.236 0.237 0.000 0 | Random | 1 | 6 0,155 | 0,064 0 |),331 | -3,351 | 0,001 | | | | | | |
| Intry name Statistics for each study. Ivent rate and 95% CI. First Convert Upper 1013 -7.65 0.000 1.00 0.000 | Ling Statistics for each study. Levent rate and 95% CL esch et al. 2020 0.056 0.026 0.236 0.236 0.236 0.236 0.236 0.236 0.236 0.237 0.000 0 | · Headacl | he | | | | | | | | | | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | . meauaei | | | | | | | | | | | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | Study name | S | tatistics for ea | ach study | | | | | Event rat | e and 95% CI | | | |
| Inst Windt Windt Windt Z-Value P-Value here stal. 2020 0.050 0.029 0.030 -3.76 0.000 1.00 here stal. 2020 0.000 0.027 0.691 -7.692 0.000 1.00 windter get al. 2020 0.020 0.027 0.691 -1.240 0.215 -1.00 0.00 0.60 1.00 Favours A Favours A Favours B Favours | $ \frac{1}{100} = 1$ | | | | | | | | | | | | | |
| Interest at, 2020 b, 0.505 0.225 b, 0.707 0.000 b, 0.501 0.215 b, 0.702 0.000 b, 0.501 0.000 b, 0.50 0.000 b, 0.50 1.00 Inside rest at, 2020 b, 0.507 0.002 b, 0.507 0.001 b, 0.50 0.000 b, 0.50 0.50 0.50 0.50 0.50 1.00 Favours A Favours B Tou-squared Tou-squared Studies Tou-squared Studies Tou-squared Studies Tou-squared Studies Studies Tou-squared Studies Tou-squared Studies Tou-squared Studies Tou-squared Studies Tou-squared Studies Studies Studies Studies Studies Studies Studies Studies Studies Studies Studies Studies Studies Studies <td>en et al., 2020 0.059 0.129 0.170 0.000 1.</td> <td></td> <td></td> <td></td> <td>Z-Value p</td> <td>-Value</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | en et al., 2020 0.059 0.129 0.170 0.000 1. | | | | Z-Value p | -Value | | | | | | | | |
| hen et al. 2020a 0.500 0.123 0.67 0.691 1.100 ranber et al. 2020 0.000 0.02 0.366 -2.954 0.003 -1.00 0.50 0.00 0.00 0.50 1.00 Favours A Favours B del Effect size and 952 interval Test of null [2-Tail] Heterogeneity Tau-requared del Number Paint Immi Immi Zvalue P-value P-value 0.003 9.678 3 0.020 63.630 0.762 1.034 1.069 0.873 : Phlegm tury name Statistics for each study test a. 2020 0.059 0.069 0.000 1.33 -3.028 0.000 . 1.00 0.59 0.000 0.50 1.000 Favours A Favours B tury name Statistics for each study test a. 2020 0.059 0.069 0.300 -3.028 0.000 . 1.00 0.59 0.000 0.50 1.000 Favours A Favours B tury name Statistics for each study test a. 2020 0.059 0.069 0.300 -3.028 0.000 . 1.00 0.59 0.000 0.50 1.00 Favours A Favours B tury name Statistics for each study test a. 2020 0.059 0.069 0.300 -3.028 0.000 . 1.00 0.59 0.000 0.50 1.00 Favours A Favours B tury name Statistics for each study test a. 2020 0.059 0.069 0.300 -3.028 0.000 . 1.00 0.50 0.50 0.50 0.50 1.00 Favours A Favours B tury name Statistics for each study test a. 2020 0.059 0.069 0.300 0.50 1.00 Favours A Favours B tury name Statistics for each study test a. 2020 0.059 0.069 0.300 0.50 1.00 Favours A Favours B tury name Statistics for each study test a. 2020 0.059 0.050 0.050 1.00 Favours A Favours B tury name Statistics for each study test a. 2020 0.059 0.050 0.050 1.00 Favours A Favours B tury name Statistics for each study test a. 2020 0.059 0.050 0.050 1.00 Favours A Favours B tury name Statistics for each study test a. 2020 0.059 0.050 0.050 1.00 Favours A Favours B tury name Statistics for each study Statistics | en et al., 2020d 0.500 0.123 0.677 0.000 1.000 sheer get al. 2020 0.20 0.027 0.691 -1.240 0.215 0.163 0.062 0.386 -2.954 0.003 -1.09 0.69 0.69 0.69 0.50 1.00 Favours A Favours B ded Effect size and 95% interval Test of null (2-Tail) Heterogeneity Tau-squared ded 0.163 0.062 0.386 7.452 0.003 3.878 3 0.020 63.50 0.762 1.04 1.069 0.873 ded 4 0.163 0.080 0.133 7.452 0.000 3.878 3 0.020 63.50 0.762 1.04 1.069 0.873 et al. 2020 0.027 0.091 -1.240 0.215 .1.00 0.550 0.000 0.75 1.094 1.069 0.873 .1.00 0.550 0.059 0.007 .et al. 2020 0.027 0.091 -1.240 0.215 .1.00 0.550 0.000 0.59 0.007 .et al. 2020 0.027 0.091 -1.240 0.215 .1.00 0.550 0.000 0.59 0.007 .et al. 2020 0.027 0.091 -1.240 0.215 .1.00 0.550 0.000 0.59 0.007 .et al. 2020 0.027 0.091 -1.240 0.215 .1.00 0.550 0.000 0.59 0.007 .et al. 2020 0.027 0.091 -1.240 0.215 .1.00 0.550 0.000 0.59 0.007 .et al. 2020 0.027 0.091 -1.240 0.215 .1.00 0.550 0.000 0.59 0.007 .et al. 2020 0.027 0.091 -1.240 0.215 .1.00 0.550 0.000 0.59 0.007 .et al. 2020 0.027 0.091 -1.240 0.215 .1.00 0.550 0.000 0.59 0.007 .et al. 2020 0.027 0.091 -1.240 0.215 .1.00 0.550 0.000 0.59 0.007 .et al. 2020 0.027 0.091 -1.240 0.215 .1.00 0.550 0.000 0.59 0.007 .et al. 2020 0.027 0.091 -1.240 0.215 .1.00 0.550 0.000 0.007 0.59 1.000 Favours A Favours B | Breslin et al., 2020 | | | | | | | | | | — | | |
| insider g et al. 2020 0.207 0.691 -1.240 0.215 -1.09 -0.59 0.00 0.59 1.09 Favours A Favours B odel Effect size and 952 interval Test of null [2-Tail] Heterogeneity Fau-squared odel Number Point Lower Upper Zvalue P-value 0.00 68.630 0.762 1.04 1.063 0.873 odel Number Point Lower Upper Zvalue P-value 0.000 9.878 3 0.020 68.630 0.762 1.034 1.063 0.873 ed wrdon 4 0.125 0.000 3.878 3 0.020 68.630 0.762 1.034 1.063 0.873 : Phlcgm Lower Vpper zvalue p.value 1.000 0.000 0.000 0.000 0.000 0.762 1.034 1.063 0.873 : Phlcgm | anberg et al. 2020 0.027 0.691 -1,240 0.215 -1,00 -0,60 0,00 0,50 0,00 0,50 1,00 Favours A Favours A Favours B Ided Tau squared Mumber Point Upper Studies: Point Lower Upper Studies: Studies: for each study Effect size and 95% interval Test of null [2-Tail] Heterogeneity Tau squared det Number Point Lower Upper Studies: Store ach 95% colspan="4">Colspan= 4 0,000 9,978 3 0,000 0,021 0,021 1,00 Studies: for each study Event rate and 95% col Colspan= 4 0,027 0,000 0,020 0,000 Studies: for each study Event rate and 95% col Colspan= 4 | Chen et al., 2020b | | | | | | | | | | | | |
| 0,163 0,062 0,366 -2,954 0,003 -1,00 -0,50 0,00 0,50 1,00 Favours A Favours A Favours A Odel Effect size and 95% interval Test of null [2-Tail] Heterogeneity Tau-squared odel Number Point Lower Upper Z value P-value Q-value df (Q) P-value I-squared Standard Variance Tau and 0,126 0,080 0,133 -7,432 0,000 9,578 3 0,020 69,530 0,762 1,034 0,6873 Entert Streaden Study Event rate and 95% C1 Total 3,2020 0,020 0,027 0,691 -1,240 0,215 1,00 0,00 0,00 0,50 1,00 Favours A Favours A Favours A Interval 1, 2020 0,000 0,027 0,691 -1,240 0,215 1,00 1,00 1,00 1,00 1,00 1,00 1,00 <td>0.183 0.082 0.386 -2.954 0.003 -1,00 0.050 0.00 0.50 1,00 Favours A Favours A Favours A Colspan="4">Favours B Idel Effect size and 95% interval Text of null (2-Tail) Heterogeneity Tau-squared ded Number Point Lower Upper Code Tau-squared Add 1.080 0.133 -7.492 0.000 9.878 3 0.0752 1.09 Add A 0.108 0.080 0.175 Colspan="4">Effect size and 95% interval Text of null (2-Tail) Heterogeneity Tau-squared A 0.108 0.0873 Open Statistics for each study Forth trans for each study Forth trans and 95% CI Forent<!--</td--><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td> | 0.183 0.082 0.386 -2.954 0.003 -1,00 0.050 0.00 0.50 1,00 Favours A Favours A Favours A Colspan="4">Favours B Idel Effect size and 95% interval Text of null (2-Tail) Heterogeneity Tau-squared ded Number Point Lower Upper Code Tau-squared Add 1.080 0.133 -7.492 0.000 9.878 3 0.0752 1.09 Add A 0.108 0.080 0.175 Colspan="4">Effect size and 95% interval Text of null (2-Tail) Heterogeneity Tau-squared A 0.108 0.0873 Open Statistics for each study Forth trans for each study Forth trans and 95% CI Forent </td <td></td> | | | | | | | | | | | | | |
| -1,00 -0,50 0,00 0,50 1,00 Favours A Gdel Effect size and 952 interval Text of null (2-Tail) Heterogeneity Tau-squared odel Number Point Lower Upper Z-value P-value Q-value df (Q) P-value I-squared Tau-squared odel Number Point Lower Upper Z-value P-value Q-value df (Q) P-value I-squared Squared Standard Variance Tau odel 4 0.125 0.080 0.133 -7.452 0.000 9.878 3 0.020 69.530 0.762 1.034 1.069 0.873 Etherstice for each study Event rate and 95% CI total name tail, 2020 0.020 0.023 0.022 0.236 0.215 1 total name tail, 2020 0.039 0.032 -2.950 0.007 0.050 0.00 0.96 1.00 Favours A fatter size and 95% cI tended Effect size and 95% interval Text of null (2-Tail) Heterogeneity Tau-squared fatte of null (2-Tail) Heterogeneity <t< td=""><td>-1,00 -0,50 0,00 0,60 1,00 Favours A Favours A Favours B Idel Tau-squared Mumber Point Lower Upper Z-value P-value Q-value df (Q) P-value I-squared Squared Standard Variance Tau edd 4 0.126 0.080 0.133 -7.452 0.003 9.978 3 0.020 69.53 0.762 1.034 1.069 0.873 Ethect size and 95% CI Event rate and 95% CI frate Lower Upper </td><td>hishberg et al., 2020</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td></t<> | -1,00 -0,50 0,00 0,60 1,00 Favours A Favours A Favours B Idel Tau-squared Mumber Point Lower Upper Z-value P-value Q-value df (Q) P-value I-squared Squared Standard Variance Tau edd 4 0.126 0.080 0.133 -7.452 0.003 9.978 3 0.020 69.53 0.762 1.034 1.069 0.873 Ethect size and 95% CI Event rate and 95% CI frate Lower Upper | hishberg et al., 2020 | | | | | | | | | - | | | |
| Favora A Favora B total Effect size and 952; interval Test of null [2-Tai] Heterogeneity requered Square Standard Variance Tau: odel Number Reimin Immin Variance Pavalue Pavalue of (0) Pavalue Pavalue of (0) Pavalue Pavalue Pavalue of (0) Pavalue Pavalue Pavalue Pavalue of (0) Pavalue of (0) Pavalue of (0) Pavalue of (0) | Farcurs A Farcurs B $del Flect size and 952 interval Farcura Ferrare For estimate from the first of null [2-Tai] from t$ | | | | -, | | | | | | | | | |
| odelEffect size and 95% intervalTest of null [2-Tail]HeterogeneityTau-squaredodelNumberPointLowerUpperZ-valueP-valueQ-valueof (Q)P-valueI-squaredStandardStandardVarianceTauedel40.1260.0800.193-7.4920.0009.87830.02069.6300.7621.0341.0630.873edom40.1630.0620.386-2.5940.0039.87830.02069.6300.7621.0341.0630.873: Phlegmtandy nameStatistics for each studyEvent rate and 95% CIhen et al., 202000.0270.691-1.2400.21511111110u et al., 202000.0270.691-1.2400.2151-1.00-0.500.000.501.001.00u et al., 202000.0270.691-1.2400.2151-1.00-0.500.000.501.00u et al., 202000.0270.691-1.2400.2151-1.00-0.500.000.501.00tan et al., 202000.0270.691-1.2400.2151-1.00-0.500.000.501.00tan et al., 202000.0270.691-1.2400.2151-1.00-0.500.000.001.00tan et al., 202010.1300.0420.338-3.0280.002 | del Effect size and 952 interval Test of null (2-Tail) Heterogeneity Tau-squared del Number Studier Point estimate Lower immt Upper immt Z-value P-value Q-value df (Q) P-value Squared Standard Error Variance Tau ed 4 0.126 0.080 0.133 -7.492 0.000 9.878 3 0.020 636.50 0.752 1.034 1.063 0.873 et ondom 4 0.163 0.082 0.366 -2.554 0.003 9.873 3 0.020 636.50 0.752 1.034 1.063 0.873 et ondom Event rate Lower Upper p-Value p-Value 0.027 0.900 0.900 0.762 1.034 1.063 0.873 et at 1.2020 0.059 0.020 0.027 0.991 -1.400 0.215 -1.00 -0.50 0.00 0.50 1.00 Favours A Favours A Favours B Favours B | | | | | | -1,00 | | -0,50 | | 0,00 | 0,50 | 1,00 | |
| odelEffect size and 95% intervalTest of null [2-Tail]HeterogeneityTau-squaredodelNumberPointLowerUpperZ-valueP-valueQ-valueof (Q)P-valueI-squaredStandardStandardVarianceTauedel40.1260.0800.193-7.4920.0009.87830.02069.6300.7621.0341.0630.873edom40.1630.0620.386-2.5940.0039.87830.02069.6300.7621.0341.0630.873: Phlegmtandy nameStatistics for each studyEvent rate and 95% CIhen et al., 202000.0270.691-1.2400.21511111110u et al., 202000.0270.691-1.2400.2151-1.00-0.500.000.501.001.00u et al., 202000.0270.691-1.2400.2151-1.00-0.500.000.501.00u et al., 202000.0270.691-1.2400.2151-1.00-0.500.000.501.00tan et al., 202000.0270.691-1.2400.2151-1.00-0.500.000.501.00tan et al., 202000.0270.691-1.2400.2151-1.00-0.500.000.001.00tan et al., 202010.1300.0420.338-3.0280.002 | del Effect size and 952 interval Test of null (2-Tail) Heterogeneity Tau-squared del Number Studier Point estimate Lower immt Upper immt Z-value P-value Q-value df (Q) P-value Squared Standard Error Variance Tau ed 4 0.126 0.080 0.133 -7.492 0.000 9.878 3 0.020 636.50 0.752 1.034 1.063 0.873 et ondom 4 0.163 0.082 0.366 -2.554 0.003 9.873 3 0.020 636.50 0.752 1.034 1.063 0.873 et ondom Event rate Lower Upper p-Value p-Value 0.027 0.900 0.900 0.762 1.034 1.063 0.873 et at 1.2020 0.059 0.020 0.027 0.991 -1.400 0.215 -1.00 -0.50 0.00 0.50 1.00 Favours A Favours A Favours B Favours B | | | | | | | | Favours A | | | Favours B | | |
| Number Point Lower Upper Z-value P-value Q-value df (Q) P-value I-squared Tau Squared Error Variance Tau wed 4 0.126 0.080 0.133 7.492 0.000 9.878 3 0.020 69.630 0.762 1.034 1.063 0.873 ediandom 4 0.126 0.080 0.133 7.492 0.000 9.878 3 0.020 69.630 0.762 1.034 1.063 0.873 Etheremental, 2020 5.200 0.021 | Number Point Lower Upper Z-value P-value Q-value df (Q) P-value I-squared Tau Squared Error Variance Tau ed 4 0.126 0.080 0.133 -7.452 0.000 9.878 3 0.020 69.630 0.762 1.034 1.063 0.873 ed 4 0.163 0.062 0.366 -2.954 0.003 9.878 3 0.020 69.630 0.762 1.034 1.063 0.873 et 106m 4 0.163 0.062 0.366 -2.954 0.003 9.878 3 0.020 69.630 0.762 1.034 1.063 0.873 et 1060 1.240 0.215 - | | | | | | | | | | | | | |
| Number Point Lower Upper Z-value P-value Q-value df (Q) P-value I-squared Tau Squared Error Variance Tau wed 4 0.126 0.080 0.133 7.492 0.000 9.878 3 0.020 69.630 0.762 1.034 1.063 0.873 ediandom 4 0.126 0.080 0.133 7.492 0.000 9.878 3 0.020 69.630 0.762 1.034 1.063 0.873 Etheremental, 2020 5.200 0.021 | Number Point Lower Upper Z-value P-value Q-value df (Q) P-value I-squared Tau Squared Error Variance Tau ed 4 0.126 0.080 0.133 -7.452 0.000 9.878 3 0.020 69.630 0.762 1.034 1.063 0.873 ed 4 0.163 0.062 0.366 -2.954 0.003 9.878 3 0.020 69.630 0.762 1.034 1.063 0.873 et 106m 4 0.163 0.062 0.366 -2.954 0.003 9.878 3 0.020 69.630 0.762 1.034 1.063 0.873 et 1060 1.240 0.215 - | | | | | | | | | | | | | |
| odel Studies estimate limit limit Z-value P-value Q-value of (Q) P-value I-squared Squared Error Variance Tau red 4 0.126 0.080 0.133 -7.492 0.000 3.878 3 0.020 63.630 0.762 1.034 1.069 0.873 Event colspan="4">Statistics for each study Event rate and 95% C1 Event rate Convert Upper z.value p-value | Idel Studies estimate limit Limit Z-value P-value Off P-value Isquared Squared Error Variance Tau ed 4 0,126 0.080 0,133 -7,492 0,000 9,878 3 0.020 69,630 0.762 1,034 1,069 0,873 code Statistics for each study Event rate and 95% C1 Event rate and 95% C1 | odel | | Effect siz | e and 95% int | terval | Test of nu | ll (2-Tail) — — | | Heterogeneity — | | T au-squared | | |
| andom 4 0.163 0.062 0.266 -2.954 0.003 : Phlogm Event rate and 95% C1 tudy name 5 Statistics for each study Event rate and 95% C1 tend at 1, 2020 0,009 0.027 0.691 -1,240 0,215 hen et al., 2020 0,009 0.020 0.027 0.691 -1,240 0,215 1 at al., 2020 0,009 0.022 0.691 -1,240 0,215 1 -1 -1 -1 -1 -1 -1 0,215 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -2 0,007 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 0 -2 -1 0 -2 0 </td <td>Indem 4 0,163 0.062 0.366 -2,354 0,003 Phlegm Event rate and 95% CL Event rate and 95% CL Event rate and 95% CL Indem et al. 2020c 0,200 0,007 0,991 -1,240 0,215 0,007 0,00 0,50 1,00 Intent et al. 2020c 0,200 0.027 0.691 -1,240 0,215 0,007 0,00 0,50 1,00 Intent et al. 2020c 0,200 0.027 0.691 -1,240 0,215 1 1 1,00 0,050 0,00 0,50 1,00 Favours A Favours A Favours B Total statics for estimate Upper Total of null [2-Tail] Heterogeneity Total squared Tau squared odel Number Point Lower Upper Z-value P-value Q-value df (Q) P-value Squared Squared</td> <td>odel</td> <td></td> <td></td> <td>Lower l limit</td> <td>Upper limit</td> <td>Z-value</td> <td>P-value</td> <td>Q-value</td> <td>df (Q) P-value</td> <td>I-squared</td> <td>Tau Standard Squared Error Variance</td> <td>Tau</td> | Indem 4 0,163 0.062 0.366 -2,354 0,003 Phlegm Event rate and 95% CL Event rate and 95% CL Event rate and 95% CL Indem et al. 2020c 0,200 0,007 0,991 -1,240 0,215 0,007 0,00 0,50 1,00 Intent et al. 2020c 0,200 0.027 0.691 -1,240 0,215 0,007 0,00 0,50 1,00 Intent et al. 2020c 0,200 0.027 0.691 -1,240 0,215 1 1 1,00 0,050 0,00 0,50 1,00 Favours A Favours A Favours B Total statics for estimate Upper Total of null [2-Tail] Heterogeneity Total squared Tau squared odel Number Point Lower Upper Z-value P-value Q-value df (Q) P-value Squared | odel | | | Lower l limit | Upper limit | Z-value | P-value | Q-value | df (Q) P-value | I-squared | Tau Standard Squared Error Variance | Tau | |
| andom 4 0.163 0.062 0.266 -2.954 0.003 : Phlogm Event rate and 95% C1 tudy name 5 Statistics for each study Event rate and 95% C1 tend at 1, 2020 0,009 0.027 0.691 -1,240 0,215 hen et al., 2020 0,009 0.020 0.027 0.691 -1,240 0,215 1 at al., 2020 0,009 0.022 0.691 -1,240 0,215 1 -1 -1 -1 -1 -1 -1 0,215 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -2 0,007 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 0 -2 -1 0 -2 0 </td <td>Indem 4 0,163 0.062 0.366 -2,354 0,003 Phlegm Event rate and 95% CL Event rate and 95% CL Event rate and 95% CL Indem et al. 2020c 0,200 0,007 0,991 -1,240 0,215 0,007 0,00 0,50 1,00 Intent et al. 2020c 0,200 0.027 0.691 -1,240 0,215 0,007 0,00 0,50 1,00 Intent et al. 2020c 0,200 0.027 0.691 -1,240 0,215 1 1 1,00 0,050 0,00 0,50 1,00 Favours A Favours A Favours B Total statics for estimate Upper Total of null [2-Tail] Heterogeneity Total squared Tau squared odel Number Point Lower Upper Z-value P-value Q-value df (Q) P-value Squared Squared</td> <td>ved</td> <td></td> <td>4 ∩120</td> <td>0.080</td> <td>0 192</td> <td>.7 /107</td> <td>0.000</td> <td>Q Q70</td> <td>3 0.00</td> <td>69.630</td> <td>0.762 1.03/ 1.020</td> <td><u>ρ 84</u>2</td> | Indem 4 0,163 0.062 0.366 -2,354 0,003 Phlegm Event rate and 95% CL Event rate and 95% CL Event rate and 95% CL Indem et al. 2020c 0,200 0,007 0,991 -1,240 0,215 0,007 0,00 0,50 1,00 Intent et al. 2020c 0,200 0.027 0.691 -1,240 0,215 0,007 0,00 0,50 1,00 Intent et al. 2020c 0,200 0.027 0.691 -1,240 0,215 1 1 1,00 0,050 0,00 0,50 1,00 Favours A Favours A Favours B Total statics for estimate Upper Total of null [2-Tail] Heterogeneity Total squared Tau squared odel Number Point Lower Upper Z-value P-value Q-value df (Q) P-value Squared | ved | | 4 ∩120 | 0.080 | 0 192 | .7 /107 | 0.000 | Q Q70 | 3 0.00 | 69.630 | 0.762 1.03/ 1.020 | <u>ρ 84</u> 2 | |
| Ludy name Statistics for each study Event rate and 95% CL Frent limit Ummer Upper -1,240 0,215 hen et al., 2020 0,027 0.691 -1,240 0,215 u et al., 2020 0,200 0,027 0.691 -1,240 0,215 u et al., 2020 0,200 0,027 0.691 -1,240 0,215 0,130 0,042 0,338 -3,028 0,002 -1,00 -0,50 0,000 0,50 1,00 Favours A Favours B Tode! Tau-squared Tau-squared T | udy name Statistics for each study Event rate and 95% CL Event frate Lower Upper rate at al, 2020b 0,027 0,691 -1,240 0,215 an et al., 2020b 0,059 0,089 0,227 0,691 -1,240 0,215 an et al., 2020b 0,027 0,691 -1,240 0,215 Immit -1,00 -0,50 0,00 0,50 1,00 -et al., 2020b 0,020 0,027 0,691 -1,240 0,215 Immit -1,00 -0,50 0,00 0,50 1,00 -et al., 2020b 0,020 0,027 0,691 -1,240 0,215 Immit | | | | | | | | 5,070 | 5 0,020 | | 0,102 1,004 1,000 | 3,013 | |
| Ludy name Statistics for each study Event rate and 95% CL Frent limit Ummer Upper -1,240 0,215 hen et al., 2020 0,027 0.691 -1,240 0,215 u et al., 2020 0,200 0,027 0.691 -1,240 0,215 u et al., 2020 0,200 0,027 0.691 -1,240 0,215 0,130 0,042 0,338 -3,028 0,002 -1,00 -0,50 0,000 0,50 1,00 Favours A Favours B Tode! Tau-squared Tau-squared T | udy name Statistics for each study Event rate and 95% CL Event frate Lower Upper rate at al, 2020b 0,027 0,691 -1,240 0,215 an et al., 2020b 0,059 0,089 0,227 0,691 -1,240 0,215 an et al., 2020b 0,027 0,691 -1,240 0,215 Immit -1,00 -0,50 0,00 0,50 1,00 -et al., 2020b 0,020 0,027 0,691 -1,240 0,215 Immit -1,00 -0,50 0,00 0,50 1,00 -et al., 2020b 0,020 0,027 0,691 -1,240 0,215 Immit | | | 4 0,165 | | | | | | | | | | |
| Event hen et al., 2020 Lower ininit 0,059 Upper 0,008 Z-Value 0,215 p-Value 0,215 han et al., 2020 0,059 0,008 0,320 -2,690 0,007 0,130 0,042 0,338 -3,028 0,002 -1,00 -0,50 0,00 0,00 0,50 1,00 Favours A Favours B Tode! Test of null [2-Tail) Heterogeneity Tau-squared hondel Number Point Lower Upper Z-value P-value Q-value df (Q) P-value I-squared Tau Standard Error Variance Tau wed 3 0,130 0.042 0.338 -3.028 0.002 1,133 2 0.566 0.000 0.000 1,184 1,402 0.000 | Event reted Lowort limit Upper limit Z.Value p.Value 0.005 p.Value 0.007 ten et al., 2020 0.055 0.008 0.320 -2.690 0.007 0.200 0.027 0.691 -1.240 0.215 0.130 0.042 0.338 -3.028 0.002 Favours A Favours B Test of null [2-Tail] Heterogeneity Tau-squared Studies Point Lower Upper Z-value P-value Or (Q) P-value Isquared Tau Studied Tau S | andom | | 4 0,163 | | | | | | | | | | |
| rate limit immit Z-Value p-Value hen et al., 2020 0,027 0,691 -1,240 0,215 hen et al., 2020 0,020 0,027 0,691 -1,240 0,215 u et al., 2020 0,200 0,027 0,691 -1,240 0,215 0,130 0,042 0,338 -3,028 0,002 -1,00 -0,50 0,00 0,50 1,00 Favours A Favours B | rate limit Z.Value p-Value hen et al., 2020b 0,007 0,691 -1,240 0,215 nen et al., 2020b 0,007 0,691 -1,240 0,215 net al., 2020b 0,002 0,691 -1,240 0,215 net al., 2020b 0,002 0,303 -3,028 0,000 0,50 1,00 Favours A Favours B | : Phlegm | | | | | | | | | | | | |
| han et al., 2020b 0,059 0,008 0,320 -2,690 0,007 u et al., 2020b 0,027 0,691 -1,240 0,215 0,130 0,042 0,338 -3,028 0,002 -1,00 -0,50 0,00 0,50 1,00 Favours A Favours B Tode! Tau-squared Number Tau-squared Studies Point Lower Number Studies Tau-squared Studies Point Lower Upper Z-value P-value I-squared Squared Standard Yariance Tau Med 3 0.130 0.042 0.338 -3.028 0.002 1.139 2 0.566 0.000 0.000 1,184 1.402 0.000 | an et al., 2020b 0,059 0,008 0,320 -2,690 0,007 .et al., 2020 0,027 0,691 -1,240 0,215 0,130 0,042 0,338 -3,028 0,002 Favours A Favours A Favours B Tau-squared Tau-squared Tau Number Fainder Studies 9 oint Lower Upper Studies 9 0,002 0,02 1,139 2 0,56 0,000 1,104 1,402 0,000 | endom Phlegm | _ | Statistics for | | | | | | Event r | ate and 95% C | <u> </u> | | |
| u et al., 2020 0,027 0,691 -1,20 0,215 0,130 0,042 0,338 -3,028 0,002 -1,00 -0,50 0,00 0,50 1,00 Favours A Favours B Todel Test of null (2-Tail) Heterogeneity Tau-squared Number Studies Studies Studies Point Lower Q-value G(Q) P-value Tau-squared Number Studies Tau-squared Studies Studies Studies Tau-squared Studies Studies Studies Studies 3 0,002 1,13 2 0,566 0,000 0,000 | et al. 2020 0.027 0.691 -1.240 0.215 0,130 0.042 0.338 -3.028 0.002 -1,00 -0,50 0,00 0,50 1,00 Favours A Favours B Tau-squared Odel Tau-squared Number Point Lower Upper Z-value P-value df (Q) P-value I-squared Tau-squared | : Phlegm | Event Lo | Statistics for | r | p-Value | | | | _ Event r | ate and 95% C | <u>1</u> | | |
| 0,130 0,042 0,338 -3,028 0,002 -1,00 -0,50 0,00 0,50 1,00 Favours A Favours A Favours B Todel Filtect size and 95% interval Test of null (2-Tail) Heterogeneity Tau-squared Tau-squared Studies Point Lower Q-value df (Q) P-value Tau-squared Number Point Lower Q-value df (Q) P-value Squared Standard Med 3 0.002 1.139 Q 0.566 0.000 0.000 | 0,130 0,042 0,338 -3,028 0,002 -1,00 -0,50 0,00 0,50 1,00 Favours A Favours B Tau-squared odel Effect size and 95% interval Test of null (2-Tail) Heterogeneity Tau-squared odel Number Point Lower Upper Z-value P-value df (Q) P-value I-squared Tau Standard Variance Tau ed 3 0,130 0.042 0,338 -3.028 0.002 1,139 2 0.566 0.000 1.184 1.402 0.000 | andom Phlegm itudy name Chen et al., 2020c | Event Lo rate I 0,200 | Statistics for ower Upper limit limit 0,027 0,69 | r t Z-Value 91 -1,240 | 0,215 | I | | I | _Event r | ate and 95% C | <u> </u> | Ι | |
| -1,00 -0,50 0,00 0,50 1,00 Favours A Favours B Indel Effect size and 95% interval Test of null [2-Tail] Heterogeneity Tau-squared Indel Point Lower Upper Z-value P-value df (0) P-value I-squared Standard Error Variance Tau wed 3 0.130 0.042 0.338 -3.028 0.002 1.133 2 0.566 0.000 1.184 1.402 0.000 | -1,00 -0,50 0,00 0,50 1,00 Favours A Favours B odel Effect size and 95% interval Test of null [2-Tail] Heterogeneity Tau-squared odel Number Point Lower Upper Z-value Q-value of (Q) P-value I-squared Tau ed 3 0.130 0.042 0.338 -3.028 0.002 1.139 2 0.565 0.000 1.184 1.402 0.000 | tudy name | Event Lo rate 1 0,200 0,059 | Statistics for ower Upper limit limit 0,027 0,69 0,008 0,32 | r Z-Value 91 -1,240 20 -2,690 | 0,215 0,007 | | | | <u>Event r</u> | ate and 95% C | <u> </u> | | |
| Favours A Favours B Indel Effect size and 95% interval Test of null [2-Tail] Heterogeneity Tau-squared Indel Effect size and 95% interval Test of null [2-Tail] Heterogeneity Tau-squared Indel Number Studies Point Lower Upper Z-value P-value I -squared Squared Standard Variance Tau wed 3 0.130 0.042 0.338 -3.028 0.002 1.133 2 0.566 0.000 1.184 1.402 0.000 | Favours A Favours B odel Effect size and 95% interval Test of null [2-Tail] Heterogeneity Tau-squared odel Number Studies Point estimate Lower limit Upper Z-value P-value Of (Q) P-value Favours B ed 3 0.130 0.042 0.338 -3.028 0.002 1.139 2 0.565 0.000 1.184 1.402 0.000 | tady name | Event Lo rate I 0,200 0,059 0,200 | Statistics for ower Upper limit limit 0,027 0,69 0,008 0,32 0,027 0,69 | r Z-Value 91 -1,240 20 -2,690 91 -1,240 | 0,215 0,007 0,215 | | | | _ Event r | ate and 95% C | | | |
| Indel Effect size and 95% interval Test of null (2-Tail) Heterogeneity Tau-squared Indel Number Point Lower Upper Z-value Q-value If (Q) P-value I-squared Standard Error Yariance Tau xed 3 0.130 0.042 0.338 -3.028 0.002 1.133 2 0.566 0.000 0.000 1.184 1.402 0.000 | odel Effect size and 95% interval Test of null (2-Tail) Heterogeneity Tau-squared odel Number Point Lower Upper Z-value Q-value df (Q) P-value I-squared Squared Squared Fror Variance Tau eed 3 0.130 0.042 0.338 -3.028 0.002 1.139 2 0.566 0.000 1.184 1.402 0.000 | tady name | Event Lo rate I 0,200 0,059 0,200 | Statistics for ower Upper limit limit 0,027 0,69 0,008 0,32 0,027 0,69 | r Z-Value 91 -1,240 20 -2,690 91 -1,240 | 0,215 0,007 0,215 | | | | _Event r | | | | |
| Indel Effect size and 95% interval Test of null (2-Tail) Heterogeneity Tau-squared Indel Number Point Lower Upper Z-value Q-value If (Q) P-value I-squared Standard Error Yariance Tau xed 3 0.130 0.042 0.338 -3.028 0.002 1.133 2 0.566 0.000 0.000 1.184 1.402 0.000 | odel Effect size and 95% interval Test of null (2-Tail) Heterogeneity Tau-squared odel Number Point Lower Upper Z-value Q-value df (Q) P-value I-squared Squared Squared Fror Variance Tau eed 3 0.130 0.042 0.338 -3.028 0.002 1.139 2 0.566 0.000 1.184 1.402 0.000 | tady name | Event Lo rate I 0,200 0,059 0,200 | Statistics for ower Upper limit limit 0,027 0,69 0,008 0,32 0,027 0,69 | r Z-Value 91 -1,240 20 -2,690 91 -1,240 | 0,215 0,007 0,215 | -1,00 | | -0,50 | _Event r | | | 1,00 | |
| Number Point Lower Upper Studies estimate limit Z-value P-value Q-value Isquared Tau Standard wed 3 0.130 0.042 0.338 -3.028 0.002 1,139 2 0.566 0.000 0.000 1,184 1,402 0,000 | Number Point Lower Upper odel Studies estimate limit Z-value P-value Q-value of (Q) P-value I-squared Squared Squared Error Variance Tau red 3 0.130 0.042 0.338 -3.028 0.002 1.139 2 0.566 0.000 1.184 1.402 0.000 | tudy name | Event Lo rate I 0,200 0,059 0,200 | Statistics for ower Upper limit limit 0,027 0,69 0,008 0,32 0,027 0,69 | r Z-Value 91 -1,240 20 -2,690 91 -1,240 | 0,215 0,007 0,215 | -1,00 | | | | | 0,50 | 1,00 | |
| Number Point Lower Upper Studies estimate limit Z-value P-value df (Q) P-value Isquared Squared Error Variance Tau ixed 3 0.130 0.042 0.338 -3.028 0.002 1,139 2 0.566 0.000 1,184 1,402 0.000 | Number Point Lower Upper odel Studies estimate limit Z-value P-value Q-value of (Q) P-value I-squared Squared Squared Error Variance Tau red 3 0.130 0.042 0.338 -3.028 0.002 1.139 2 0.566 0.000 1.184 1.402 0.000 | tudy name | Event Lo rate I 0,200 0,059 0,200 | Statistics for ower Upper limit limit 0,027 0,69 0,008 0,32 0,027 0,69 | r Z-Value 91 -1,240 20 -2,690 91 -1,240 | 0,215 0,007 0,215 | -1,00 | | | | | 0,50 | 1,00 | |
| lodel Studies estimate limit limit Z-value P-value Q-value df(Q) P-value I-squared Squared Error Variance Tau wed 3 0.130 0.042 0.338 -3.028 0.002 1.139 2 0.566 0.000 0.000 1.184 1.402 0.000 | odel Studies estimate limit limit Z-value P-value Q-value d1(Q) P-value F-squared Squared Error Variance Tau xed 3 0.130 0.042 0.338 -3.028 0.002 1.139 2 0.566 0.000 0.000 1.184 1.402 0.000 | andom : Phlegm tudy name hen et al., 2020c han et al., 2020b | Event Lo rate I 0,200 0,059 0,200 | Statistics for ower Upper limit limit 0,027 0,69 0,008 0,32 0,027 0,69 | r Z-Value 91 -1,240 20 -2,690 91 -1,240 | 0,215 0,007 0,215 | -1,00 | | | | | 0,50 | 1,00 | |
| ixed 3 0,130 0,042 0,338 3,028 0,002 1,139 2 0,566 0,000 0,000 1,184 1,402 0,000 | eed 3 0,130 0,042 0,338 -3,028 0,002 1,139 2 0,566 0,000 0,000 1,184 1,402 0,000 | ndom Comparison | Event Lo rate I 0,200 0,059 0,200 | Statistics for ower Upper limit 0,027 0,69 0,008 0,32 0,027 0,69 0,027 0,69 0,042 0,33 | r Z-Value 91 -1,240 20 -2,690 91 -1,240 38 -3,028 | 0,215 0,007 0,215 0,002 | | | | s A | | 0,50 Favours B | 1,00 | |
| | | ndom Cudy name tudy name tudy name tudy name tal., 2020c han et al., 2020b u et al., 2020 | Event L rate l 0,200 0,200 0,130 | Statistics for ower Upper imit limit 0,027 0,69 0,008 0,32 0,027 0,69 0,027 0,69 0,027 0,69 0,027 0,69 0,027 0,69 0,024 0,33 Effect si r r Point | Z-Value 20 -2,690 21 -1,240 28 -3,028 ize and 95% in Lower | 0,215 0,007 0,215 0,002 | Test of n | | Favours | Heterogeneity | 0,00 | 0,50 Favours B Tau-squared | | |
| amdom 3 0,130 0,042 0,338 -3,028 0,002 | andom 3 0,130 0,042 0,338 -3,028 0,002 | indom Phlegm | Event L rate l 0,200 0,200 0,130 | Statistics for ower Upper imit limit 0,027 0,69 0,008 0,32 0,027 0,69 0,027 0,69 0,027 0,69 0,027 0,69 0,027 0,69 0,024 0,33 Effect si r r Point | Z-Value 20 -2,690 21 -1,240 28 -3,028 ize and 95% in Lower | 0,215 0,007 0,215 0,002 | Test of n | | Favours | Heterogeneity | 0,00 | 0,50 Favours B Tau-squared | | |
| | | Indom I tady name tady nam | Event L rate l 0,200 0,200 0,130 | Statistics for ower Upper imit limit 0,027 0,69 0,008 0,32 0,027 0,69 0,042 0,33 0,042 0,33 Effect si s Point estimate 3 0,130 | r Z-Value 21 -1,240 20 -2,690 91 -1,240 38 -3,028 | 0,215 0,007 0,215 0,002 terval | Test of n Z-value -3,028 | P-value 0,002 | Favours Q-value | : À Heterogeneity df (Q) P-value | 0,00 | 0,50 Favours B Tau-squared Tau Standard Squared Error Variance | Tau | |

3

K: Chills/shivering

| Study name | | | stics for e | each study | - | | | | - | Event rate | and 95% Cl | _ | | |
|--|----------------------------------|-------------------|--------------------------|-----------------------|------------------|----------------------|---------------------|--------------|-----------|-------------------------|----------------|---------------------------------|--------------------|-------|
| | Event rate | Lowe | | r | - | | | | - | | | | | |
| Cao et al., 2020 Chen et al., 2020a Can et al., 2020 | 0,045 0,050 0,500 0,123 | 0,00 0,05 | 3 0,47 9 0,94 | 75 -2,029 11 0,000 | 0,042 | | | | | | | | | |
| | | | | | | -1,00 | | -0,50 | | 0 | ,00 | 0,50 | | 1,00 |
| | | | | | | | | Favours | s A | | | Favours B | | |
| lodel | | Eff | ect size an | d 95% interv | al Te | st of null (2-Ta | iŋ | Hete | rogeneity | | | T au-squared | | |
| lodel | Numb Studie | er Po es estin | | wer Upp mit limi | er t Z- | value P-val | Je Q- | value df (Q) | P-value | I-squared | Tau Squared | Standard Error Variance | Tau | |
| ixed Random | | 3 3 | 0,123 0,122 | 0,027 C | .416 .500 | -2,366 0 -1,961 0 | .018 .050 | 2,942 | 2 0,23 | 30 32,030 | 0,97 | \$ 3,040 9,242 | 0,987 | |
| L: Anosm | ia | | | | | | | | | | | | | |
| Study name | | Stati | stics for e | each study | - | | | | | Event rate | and 95% CI | | | |
| Sovind et al., 2020 | Event rate 0,778 | Lower limit | Upper limit 1 0,94 | Z-Value | p-Value 0,118 | 1 | | I | | | I | | | 1 |
| 50000 GT 81., 2020 | 0,778 | | | | | | | | | | | | | |
| | | | | | | -1,00 | | -0,50 | | 0 | ,00 | 0,50 | | 1,00 |
| | | | | | | | | Favours | A | | | Favours B | | |
| lodel | | | Effect siz | ze and 95% | interval | Test of r | ull (2-Tail) | | Hete | erogeneity | | T | au-squared | |
| lodel | Nu | mber Idies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-valu | e df (Q) |) Pusho | l-squared | Tau Stand Squared Erro | ard or Variance | Tau |
| louer | 511 | luies | esumate | mme | mme | Z-value | r-yaiue | Q-Yalu | ց ունք | j r-value | i-squareu | Squared Erro | n vanance | Tau |
| ixed Random | | 1 1 | 0,778 0,778 | 0,421 0,421 | 0,944 0,944 | 1,563 1,563 | | | 100 | 0 1,00 | 0 0,000 | 0,000 0 | 1,000 0,000 | 0,0 |
| 1: Lethar | gy | | | | | | | | | | | | | |
| tudy name | | Statis | tics for e | ach study | | | | | _ | Event rate | and 95% Cl | | | |
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | | | |
| ovind et al., 2020 | 0,667 | 0,333 | 0,889 | 0,980 | 0,327 | | | | | | | | | |
| | 0,667 | 0,333 | 0,889 | 0,980 | 0,327 | I | | | | | | | | Ι |
| | | | | | | -1,00 | | -0,50 | | 0, | 00 | 0,50 | | 1,00 |
| | | | | | | | | Favours | A | | | Favours B | | |
| | | | | 1054 | | . | (0.T. '1) | | | | | | | |
| lodel | | | | and 95% int | | Test of null | (2-1 all) | | Heteroge | eneky | | Tau-squ | areo | |
| lodel | Num Stud | | Point stimate | Lower L limit | Jpper limit | Z-value I | ^o -value | Q-value | df (Q) F | ² -value I-s | quared | Tau Standard Squared Error \ | ariance Ta | u |
| ixed | | 1 | 0,667 0,667 | 0,333 0,333 | 0,889 0,889 | 0,980 0,980 | 0,327 0,327 | 0,000 | 0 | 1,000 | 0,000 | 0,000 0,000 | 0,000 | 0,000 |
| distant. | | | 0,001 | 0,000 | 0,000 | 0,000 | 0,021 | | | | | | | |
| I: Asympt | toma | tic | | | | | | | | | | | | |
| tudy name | | Stati | stics for e | each study | _ | | | | | Event ra | ite and 95% C | 1 | | |
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | | | |
| hen et al., 2020b | 0,051 | 0,023 | | | | | | | | | + | | | |
| iu et al., 2020a /u et al., 2020a | 0,133 0,875 | | 0,983 | 3 1,820 | 0,069 | | | | | | | | | |
| /u et al., 2020b | 0,652 0,345 | | | | | | | | | | | | | |
| | | | | | | -1,00 | | -0,50 |) | | 0,00 | 0,50 | | 1,00 |
| | | | | | | | | Favou | rs A | | | Favours | З | |
| | | | | | | | | | | | | | | |
| lodel | | | Effect siz | e and 95% i | nterval | Test of n | الا (2-Tail) | | Hete | rogeneity | | Tau | ı-squared | |
| | N | nber | Point | Lower | Upper | | | | | | | Tau Standa | d | |

Figure 2. Meta-analysis and forest plots for diagnostic tests of COVID-19 of pregnant

women

A: PCR (+)

| tudy name | | Statist | ics for ea | ach study | | | E | vent rate and 95% | CI | |
|--------------------------|---------------|----------------|----------------|-----------|---------|-------|-----------|-------------------|-----------|-----|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | |
| reslin et al., 2020 | 0,989 | 0,843 | 0,999 | 3,140 | 0,002 | 1 | | | | |
| uonsenso et al., 2020 | 0,833 | 0,194 | 0,990 | 1,039 | 0,299 | | | · · · | | |
| ao et al., 2020 | 0,955 | 0,552 | 0,997 | 2,103 | 0,035 | | | | | - |
| hen et al., 2020a | 0,950 | 0,525 | 0,997 | 2,029 | 0,042 | | | | | |
| hen et al., 2020b | 0,712 | 0,624 | 0,786 | 4,450 | 0,000 | | | | - | ⊢ I |
| nen et al., 2020c | 0,917 | 0,378 | 0,995 | 1,623 | 0,105 | | | | | |
| nen et al., 2020d | 0,900 | 0,326 | 0,994 | 1,474 | 0,140 | | | | | |
| n et al., 2020 | 0,833 | 0,194 | 0,990 | 1,039 | 0,299 | | | | | |
| mazzia et al., 2020 | 0,988 | 0,840 | 0,999 | 3,123 | 0,002 | | | | | |
| ovind et al., 2020 | 0,950 | 0,525 | 0,997 | 2,029 | 0,042 | | | | | |
| antoushzadeh et al., 202 | 200,950 | 0,525 | 0,997 | 2,029 | 0,042 | | | | | |
| shberg et al., 2020 | 0,917 | 0,378 | 0,995 | 1,623 | 0,105 | | | | | |
| usela et al., 2020 | 0,833 | 0,194 | 0,990 | 1,039 | 0,299 | | | · · · | | |
| an et al., 2020a | 0,875 | 0,266 | 0,993 | 1,287 | 0,198 | | | | | |
| an et al., 2020b | 0,972 | 0,678 | 0,998 | 2,479 | 0,013 | | | | - 1 | |
| umoutsea et al., 2020 | 0,500 | 0,059 | 0,941 | 0,000 | 1,000 | | | | | |
| et al., 2020a | 0,971 | 0,664 | 0,998 | 2,436 | 0,015 | | | | | |
| o et al., 2020 | 0,955 | 0,552 | 0,997 | 2,103 | 0,035 | | | | | |
| et al., 2020a | 0,969 | 0,650 | 0,998 | 2,390 | 0,017 | | | | | |
| et al., 2020b | 0,526 | 0,311 | 0,732 | 0,229 | 0,819 | | | | _ | |
| et al., 2020c | 0,875 | 0,266 | 0,993 | 1,287 | 0,198 | | | | | |
| et al., 2020d | 0,964 | 0,616 | 0,998 | 2,289 | 0,022 | | | | | |
| et al., 2020a | 0,750 | 0,377 | 0,937 | 1,346 | 0,178 | | | | _ | |
| et al., 2020b | 0,826 | 0,618 | 0,933 | 2,832 | 0,005 | | | | | |
| et al., 2020 | 0,917 | 0,378 | 0,995 | 1,623 | 0,105 | | | | | |
| ng et al., 2020a | 0,964 | 0,616 | 0,998 | 2,289 | 0,022 | | | | | |
| ng et al., 2020b | 0,938 | 0,461 | 0,996 | 1,854 | 0,064 | | | | | |
| et al., 2020 | 0,938 | 0,461 | 0,996 | 1,854 | 0,064 | | | | | |
| ng et al., 2020a | 0,929 | 0,423 | 0,996 | 1,748 | 0,081 | | | | | |
| ng et al., 2020b | 0,985 | 0,804 | 0,999 | 2,951 | 0,003 | | | | | |
| u et al., 2020 | 0,950 | 0,525 | 0,997 | 2,029 | 0,042 | | | | | |
| | 0,800 | 0,750 | 0,842 | 9,424 | 0,000 | | | | | ♦ |
| | | | | | | -1,00 | -0,50 | 0,00 | 0,50 | 1,0 |
| | | | | | | | | | | |
| | | | | | | | Favours A | | Favours B | |

| Model | | Effect siz | ze and 95% | interval | Test of nu | ıll (2-Tail) | | Hetero | geneity | | | Tau-sq | uared | |
|-----------------|-------------------|-------------------|----------------|----------------|----------------|----------------|---------|--------|---------|-----------|----------------|-------------------|----------|-------|
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | 31 31 | | 0,750 0,838 | 0,842 0,935 | 9,424 8,245 | 0,000 0,000 | 49,346 | 30 | 0,014 | 39,205 | 0,589 | 0,502 | 0,252 | 0,768 |

B: Abnormal Chest X-ray (+)

| Study name | | Statisti | cs for ea | ch study | | | | Event rate and 95% CI | | |
|-------------------------|---------------|----------------|----------------|----------|---------|-------|-----------|-----------------------|-----------|---------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | |
| Govind et al., 2020 | 0,222 | 0,056 | 0,579 | -1,562 | 0,118 | 1 | | + | | |
| Juusela et al., 2020 | 0,833 | 0,194 | 0,990 | 1,039 | 0,299 | | | | | |
| Koumoutsea et al., 2020 | 0,500 | 0,059 | 0,941 | 0,000 | 1,000 | | | | | |
| | 0,374 | 0,146 | 0,675 | -0,813 | 0,416 | | | | | |
| | | | | | | -1,00 | -0,50 | 0,00 | 0,50 | 1,00 |
| | | | | | | | Favours A | | Favours B | |

| Model | | | Effect siz | e and 95% | interval | Test of nu | ll (2-Tail) | | Heter | ogeneity | | | Tau-so | quared | |
|-----------------|-------------------|--------|-------------------|----------------|----------------|------------------|----------------|---------|--------|----------|-----------|----------------|-------------------|----------|-------|
| Model | Number Studies | | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | | 3 3 | 0,374 0,426 | 0,146 0,129 | 0,675 0,788 | -0,813 -0,363 | 0,416 0,717 | 2,860 | 2 | 0,239 | 30,065 | 0,650 | 2,173 | 4,721 | 0,806 |

C: Abnormal Chest CT (+)

| udy name | | Statist | ics for ea | ch study | | | Ev | ent rate and 95% | СІ |
|-----------------------|---------------|----------------|----------------|----------|---------|-------|-------|------------------|----|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | |
| o et al., 2020 | 0,955 | 0,552 | 0,997 | 2,103 | 0,035 | | | | |
| en et al., 2020a | 0,889 | 0,500 | 0,985 | 1,961 | 0,050 | | | | |
| en et al., 2020b | 0,746 | 0,660 | 0,816 | 5,090 | 0,000 | | | | |
| en et al., 2020c | 0,917 | 0,378 | 0,995 | 1,623 | 0,105 | | | | |
| en et al., 2020d | 0,900 | 0,326 | 0,994 | 1,474 | 0,140 | | | | |
| n et al., 2020 | 0,833 | 0,194 | 0,990 | 1,039 | 0,299 | | | <u> </u> | _ |
| ntoushzadeh et al., 2 | 020 0,111 | 0,015 | 0,500 | -1,961 | 0,050 | | | _∎_ | _ |
| an et al., 2020b | 0,972 | 0,678 | 0,998 | 2,479 | 0,013 | | | | |
| et al., 2020a | 0,938 | 0,665 | 0,991 | 2,622 | 0,009 | | | | |
| io et al., 2020 | 0,955 | 0,552 | 0,997 | 2,103 | 0,035 | | | | |
| ı et al., 2020a | 0,969 | 0,650 | 0,998 | 2,390 | 0,017 | | | | |
| ı et al., 2020b | 0,975 | 0,702 | 0,998 | 2,558 | 0,011 | | | | |
| i et al., 2020c | 0,875 | 0,266 | 0,993 | 1,287 | 0,198 | | | | |
| u et al., 2020a | 0,750 | 0,377 | 0,937 | 1,346 | 0,178 | | | | |
| u et al., 2020b | 0,979 | 0,741 | 0,999 | 2,694 | 0,007 | | | | |
| et al., 2020 | 0,917 | 0,378 | 0,995 | 1,623 | 0,105 | | | | |
| ing et al., 2020a | 0,036 | 0,002 | 0,384 | -2,289 | 0,022 | | | | |
| ing et al., 2020b | 0,857 | 0,419 | 0,980 | 1,659 | 0,097 | | | | |
| ng et al., 2020a | 0,929 | 0,423 | 0,996 | 1,748 | 0,081 | | | | |
| ng et al., 2020b | 0,985 | 0,804 | 0,999 | 2,951 | 0,003 | | | | |
| u et al., 2020 | 0,950 | 0,525 | 0,997 | 2,029 | 0,042 | | | | |
| | 0,876 | 0,774 | 0,936 | 5,287 | 0,000 | | | | |
| | , | | , | | | -1,00 | -0.50 | 0,00 | |

Favours A

Favours B

| Model | | Effect si | ze and 95% | interval | Test of nu | ll (2-Tail) | | Hetero | geneity | | | Tau-so | quared | |
|-----------------|-------------------|-------------------|----------------|----------------|----------------|----------------|---------|--------|---------|-----------|----------------|-------------------|----------|-------|
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | 21 21 | | 0,740 0,774 | 0,847 0,936 | 8,097 5,287 | 0,000 0,000 | 45,273 | 20 | 0,001 | 55,824 | 1,282 | 1,009 | 1,018 | 1,132 |

D: Clinical findings

| Study name | | Statist | ics for ea | ch study | | | | Event rate and 95% CI | - | |
|----------------------|---------------|----------------|----------------|----------|---------|-------|-----------|-----------------------|--------------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | |
| Breslin et al., 2020 | 0,326 | 0,203 | 0,477 | -2,238 | 0,025 | 1 | 1 | - | — — — | 1 |
| Liu et al., 2020b | 0,474 | 0,268 | 0,689 | -0,229 | 0,819 | | | | | |
| Wu et al., 2020b | 0,174 | 0,067 | 0,382 | -2,832 | 0,005 | | | | | |
| Zeng et al., 2020a | 0,929 | 0,423 | 0,996 | 1,748 | 0,081 | | | | | |
| | 0,380 | 0,195 | 0,609 | -1,029 | 0,303 | | | - | | |
| | | | | | | -1,00 | -0,50 | 0,00 | 0,50 | 1,00 |
| | | | | | | | Favours A | | Favours B | |

| Model | | | | | Test of nul | ll (2-Tail) — — ——— | | Hetero | geneity | | | Tau-so | juared | |
|-----------------|-------------------|-------------------|----------------|----------------|------------------|------------------------|---------|--------|-----------|----------|----------------|-------------------|----------|------|
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value I | -squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | 4 | 0,347 0,380 | 0,251 0,195 | 0,458 0,609 | -2,675 -1,029 | 0,007 0,303 | 8,981 | 3 | 0,030 | 66,595 | 0,538 | 0,723 | 0,523 | 0,73 |

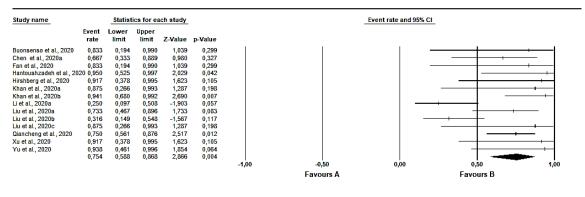
Figure 3. Meta-analysis and forest plots for treatments of COVID-19 of pregnant women

A: Antibiotics

| Study name | | Statist | ics for ea | ch study | | | | Event rate and 95% CI | - | |
|--------------------------|---------------|----------------|----------------|----------|---------|-------|-----------|-----------------------|-----------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | |
| Breslin et al., 2020 | 0,047 | 0,012 | 0,168 | -4,171 | 0,000 | 1 | | | 1 | 1 |
| Chen et al., 2020a | 0,950 | 0,525 | 0,997 | 2,029 | 0,042 | | | | | |
| Fan et al., 2020 | 0,833 | 0,194 | 0,990 | 1,039 | 0,299 | | | | | |
| Hantoushzadeh et al., 20 | 20 0,950 | 0,525 | 0,997 | 2,029 | 0,042 | | | | | |
| Juusela et al., 2020 | 0,833 | 0,194 | 0,990 | 1,039 | 0,299 | | | | | |
| Khan et al., 2020a | 0,875 | 0,266 | 0,993 | 1,287 | 0,198 | | | | | |
| Khan et al., 2020b | 0,972 | 0,678 | 0,998 | 2,479 | 0,013 | | | | | |
| Li et al., 2020a | 0,971 | 0,664 | 0,998 | 2,436 | 0,015 | | | | | + |
| Liu et al., 2020a | 0,969 | 0,650 | 0,998 | 2,390 | 0,017 | | | | | + |
| Liu et al., 2020c | 0,667 | 0,154 | 0,957 | 0,566 | 0,571 | | | — — | | |
| Qiancheng et al., 2020 | 0,857 | 0,676 | 0,945 | 3,318 | 0,001 | | | | | |
| Wu et al., 2020a | 0,944 | 0,495 | 0,997 | 1,947 | 0,052 | | | | | |
| Ku et al., 2020 | 0,917 | 0,378 | 0,995 | 1,623 | 0,105 | | | | | |
| Yang et al., 2020b | 0,900 | 0,326 | 0,994 | 1,474 | 0,140 | | | | | |
| r'u et al., 2020 | 0,938 | 0,461 | 0,996 | 1,854 | 0,064 | | | | | |
| | 0,874 | 0,682 | 0,957 | 3,236 | 0,001 | | | | | |
| | | | | | | -1,00 | -0,50 | 0,00 | 0,50 | 1,00 |
| | | | | | | | Favours A | | Favours B | |

| Model | | Effect siz | ze and 95% | interval | Test of nu | ll (2-Tail) | | Hetero | geneity | | | Tau-so | juared | |
|-----------------|-------------------|-------------------|----------------|----------------|----------------|----------------|---------|--------|---------|-----------|----------------|-------------------|----------|-------|
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | 15 15 | | 0,685 0,682 | 0,873 0,957 | 4,600 3,236 | 0,000 0,001 | 49,441 | 14 | 0,000 | 71,683 | 3,568 | 2,223 | 4,941 | 1,889 |

B: Antivirals



| Model | | Effect siz | e and 95% | interval | Test of nu | ll (2-Tail) | | Hetero | geneity | | | Tau-so | juared | |
|-----------------|-------------------|-------------------|----------------|----------------|----------------|----------------|---------|--------|---------|-----------|----------------|-------------------|----------|-------|
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | 14 14 | | 0,557 0,588 | 0,745 0,868 | 3,035 2,866 | 0,002 0,004 | 32,695 | 13 | 0,002 | 60,239 | 1,056 | 0,801 | 0,641 | 1,027 |

C: Hydroxychloroquine

| Study name | | Statist | ics for ea | ch study | | | | Event rate and 95% CI | | |
|------------------------|---------------|----------------|----------------|-----------------|---------|-------|-----------|-----------------------|-----------|-----|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | |
| Breslin et al., 2020 | 0,047 | 0,012 | 0,168 | - 4 ,171 | 0,000 | 1 | 1 | → | 1 | I |
| Buonsenso et al., 2020 | 0,833 | 0,194 | 0,990 | 1,039 | 0,299 | | | | | |
| Hantoushzadeh et al. 2 | 20 0,667 | 0,333 | 0,889 | 0,980 | 0,327 | | | | | |
| Hirshberg et al., 2020 | 0,917 | 0,378 | 0,995 | 1,623 | 0,105 | | | | | |
| Juusela et al., 2020 | 0,500 | 0,059 | 0,941 | 0,000 | 1,000 | | | | | I |
| | 0,538 | 0,121 | 0,908 | 0,141 | 0,888 | | | | | |
| | | | | | | -1,00 | -0,50 | 0,00 | 0,50 | 1,0 |
| | | | | | | | Favours A | | Favours B | |

| Model | | Effect siz | e and 95%: | interval | Test of nul | ll (2-Tail) | | Hetero | geneity | | | Tau-sq | uared | |
|-----------------|-------------------|-------------------|-----------------------------|----------------|-----------------|----------------|---------|--------|---------|-----------|----------------|-------------------|----------|-------|
| Model | Number Studies | Point estimate | Lo w er limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | 5 | 0,379 0,538 | 0,207 0,121 | 0,589 0,908 | -1,133 0,141 | 0,257 0,888 | 20,789 | 4 | 0,000 | 80,759 | 4,518 | 4,482 | 20,090 | 2,126 |

D: Corticosteroids

| r r Chen et al., 2020a (i) ian et al., 2020 (i) i,iu et al., 2020c (i) Qiancheng et al., 2020 (i) (u et al., 2020) (i) (2 u et al., 2020) (i) | vent rate 0,050 0,833 0,667 0,143 0,600 0,111 0,309 | Lower limit 0,003 0,194 0,154 0,055 0,200 0,015 0,110 | Upper limit 0,475 0,990 0,957 0,324 0,900 0,500 0,618 | -2,029 1,039 0,566 -3,318 0,444 -1,961 | p-Value 0,042 0,299 0,571 0,001 0,657 0,050 0,220 | -1,00 | | -0,50 | | | | | 0,50 | + | |
|---|---|---|---|---|--|------------------|----------------|-----------|--------|---------|-----------|----------------|-------------------|----------|-------|
| an et al., 2020 (.iu et al., 2020c (Ωiancheng et al., 2020 ((u et al., 2020 (/hu et al., 2020 (| 0,833 0,667 0,143 0,600 0,111 | 0,194 0,154 0,055 0,200 0,015 | 0,990 0,957 0,324 0,900 0,500 | 1,039 0,566 -3,318 0,444 -1,961 | 0,299 0,571 0,001 0,657 0,050 | -1,00 | | -0,50 | | | | | 0,50 | • • | - |
| | | | | | | | | Favours A | L . | | * | Fa | vours B | | 1,00 |
| odel | | | Effect size | e and 95% | interval | Test of nu | ll (2-Tail) | | Hetero | geneity | | | Tau-se | quared | |
| odel | Num Stud | | Point stimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| xed andom | | 6 | 0,250 0,309 | 0,138 0,110 | 0,411 0,618 | -2,921 -1,227 | 0,003 0,220 | 12,031 | 5 | 0,034 | 58,442 | 1,412 | 1,632 | 2,664 | 1,188 |

E: Chinese medicine (lianhua-qingwen)

| Study name | | Statis | tics for ea | ach study | | | | | | E | vent rate and | 95% CI | | | | |
|--|--|--|----------------|--|--|-----------|-------------|---------|----------------|----------|---------------|----------------|-------------------|---------------|-----|---------------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | | | | | |
| Fan et al., 2020 Khan et al., 2020a Khan et al., 2020b Liu et al., 2020a Yu et al., 2020 | 0,833 0,667 0,882 0,933 0,938 0,879 | 0,194 0,154 0,632 0,648 0,461 0,737 | 0,957 0,970 | 1,039 0,566 2,677 2,550 1,854 4,085 | 0,299 0,571 0,007 0,011 0,064 0,000 | -1, | 00 | | 0,50 ours A | , | 0,00 | | | ,50 burs B | + | + 1,00 |
| Model | | E | ffect size a | nd 95% inter | val Te | est of nu | ll (2-Tail) | | Heter | ogeneity | | | Tau-s | quared | | |
| Model | Numi Studi | | | ower Up imit lin | per nit Z- | value | P-value | Q-value | df (Q) | P-value | I-squared | Tau Squared | Standard Error | Variance | Tau | |
| | | | | | | | | | | | | | | | | |

F: Intravenous immunoglobulin

0,108 0,108

2 2 0,041 0,041 0,255 0,255

-3,985 -3,985

| Study name | | Statisti | cs for ea | ch study | | | | Event rate a | nd 95% Cl | |
|--|---------------------------|-------------------------|-------------------------|----------------------------|-------------------------|-----------------|--------------------|----------------|--------------------------------|--------------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | |
| Hantoushzadeh et al., 2020 Qiancheng et al., 2020 | 0 0,111 0,107 0,108 | 0,015 0,035 0,041 | 0,500 0,284 0,255 | -1,961 -3,470 -3,985 | 0,050 0,001 0,000 | -1,00 | -0,50 Favours A | 0,00 | 0,50 Favours B | 1,00 |
| Model | | E | ffect size | and 95% | interval | Test of null (2 | -Tail) | Heterogeneity | Tau-so | quared |
| Model | Numb Studi | | 'oint timate | Lower limit | Upper limit | Z-value P-v | value Q-value | df (Q) P-value | Tau Standard I-squared Sror | Variance Tau |

0,000 0,000 0,001

1 0,973

G: Anticoagulant

Fixed Random

| Study name | | Statist | ics for ea | ich study | _ | | | | | Event r | ate and 95% (| | | | |
|----------------------------|-------------------|----------------|----------------|----------------|--------------------------|-----------------------|----------------------------|---------|----------------------|---------|---------------|----------------|------------|--------------------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | | | | |
| lantoushzadeh et al., 2020 | 0 0,889 0,889 | 0,500 0,500 | 0,985 0,985 | 1,961 1,961 | | -1,00 | | -0,50 | | | 0.00 | | 0,50 | | 1,00 |
| | | | | | | | | Favours | Α | | | F | avours B | | |
| | | | | | | | | | | | | | | | |
| 1odel | | Eff | ect size a | nd 95% in | terval | Test of nu | ll (2-Tail) | | Hetero | geneity | | | Tau-so | quared | |
| | Number Studies | - Poi | int Lu | | terval Upper limit | Test of nu Z-value | II (2-Tail) P-value | Q-value | Hetero df (Q) | | l-squared | Tau Squared | Tau-se | quared Variance | Tau |

0,000

0,000

0,000

1,059

1,123

| Study name | | Statist | ics for ea | ch study | | | | | EVe | ent rate and 95% Cl | _ | | | |
|-------------------------|---------------|----------------|----------------|------------|--------------------------|--------------|------------|----------------------|-----------|-------------------------|----------------|-----------------------------|--------------------|------------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | | | |
| Breslin et al., 2020 | 0,512 | 0,366 | 0,656 | 0,152 | 0,879 | | | | | | | + | | |
| Cao et al., 2020 | 0,955 | 0,552 | 0,997 | 2,103 | 0,035 | | | | | | | | | |
| | 0,771 | 0,161 | 0,983 | 0,829 | 0,407 | | | | | | | | | - |
| | | | | | | -1,00 | | -0,50 | | 0,00 | 0 | ,50 | | 1,00 |
| | | | | | | | F | avours A | | | Favo | ours B | | |
| | | | | | | | | | | | | | | |
| Model | | E | ffect size | and 95% in | terval | Test of null | l (2-Tail) | | Heterogen | eity | | Tau-so | quared | |
| | Num Stud | ber F | | | terval Upper limit | | | Q-value o | | eity value I-squared | Tau Squared | Tau-so Standard Error | quared Variance | Tau |
| Model Model Fixed | | ber F | Point | Lower | Upper | | | Q-value 4,107 | | - | | Standard | - | Tau 1,8 |

H: Outpatient treatment/monitoring by phone

I: Oxygen support

| tudy name | | Statis | tics for ea | ch study | | | | | Ev | ent rate and 95% CI | - | | | |
|---|--|---|--|--|--|-----------|--------------|--------------------|--------|---------------------|------------------|-------------------|----------|--------------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | | | |
| resiin et al., 2020 hen et al., 2020 errazzia et al., 2020 uusela et al., 2020 han et al., 2020 u et al., 2020 ang et al., 2020 u et al., 2020 u et al., 2020 | 0,023 0,950 0,167 0,833 0,667 0,875 0,917 0,500 0,938 0,631 | 0,003 0,525 0,082 0,194 0,154 0,266 0,378 0,461 0,268 | 0,997 0,310 0,990 0,957 0,993 0,995 0,877 0,996 | -3,694 2,029 -3,887 1,039 0,566 1,287 1,623 0,000 1,854 0,682 | 0,000 0,042 0,000 0,299 0,571 0,198 0,105 1,000 0,064 0,495 | -1,00 | | -0,50 Favours A | | 0,00 | 0,50 | | | 1,00 |
| Model | | | Effect | size and 95 | 5% interval | Test of n | ull (2-Tail) | | Hetero | geneity | | Tau-se | quared | |
| Model | | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value I-square | Tau d Squared | Standard Error | Variance | Ta |
| | | | | | 18 0,480 | -2,225 | 0.026 | 37.054 | 8 | 0.000 78.41 | 0 4.011 | 3.155 | 9.956 | 2 |

J: Intubation/mechanical ventilation

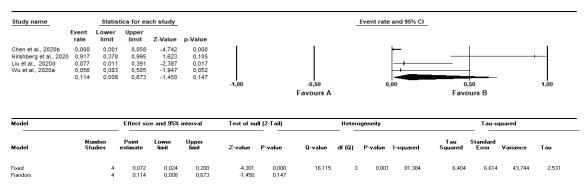


Figure 4. Meta-analysis and forest plots for treatments to prevent premature birth of COVID-19 of pregnant women

A: Hydration

| Study name | | Statist | ics for ea | ch study | | | | | Event rate and | 95% CI | | | |
|--|---------------|----------------|----------------|-----------------|--------------------------|------------|-----------------|-----------|---------------------------|--------|-------------|-------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | | |
| Breslin et al., 2020 Iuusela et al., 2020 | | 0,012 0,059 | 0,168 0,941 | -4,171 0,000 | 0,000 | 1 | | | -+_ | | | | |
| luusela et al., 2020 | 0,147 | 0,009 | 0,763 | -1,177 | 0,239 | -1,00 | | -0,50 | 0,00 | | 0,50 | | 1,00 |
| | | | | | | | | Favours A | | | Favours B | | |
| | | | | | | | | | | | | | |
| Model | | | Effect size | and 95% in | terval | Test of nu | ll (2-Tail) | Favours A | neity | | Tau-squared | | |
| Model Model | | mber | | | terval Upper limit | | II (2-Tail) | Heteroge | neity -value I-squared | | | a Tau | |

B: Steroid

| Study name | | Stati | stics for | each study | _ | | | | | EV | ent rate and | 95% CI | | | | |
|--|---------------------------------|------------------------------------|---|--|----------------------------------|---------------------|----------------------|-----------------|-----------|------------|---------------|----------------|-----------------------|----------------------------|-------|-------------|
| | Event rate | Lower limit | Upper limit | | e p-Value | | | | | | | | | | | |
| Hirshberg et al., 202(Juusela et al., 2020 | 0 0,917 0,500 0,759 | 0,05 | 9 0,94 | 1 0,00 | 0 1,000 | -1,00 | I | -0,5 Favou | | | 0,00 - | | 0,: Favo | | | 1,00 |
| Model | | | Effect siz | e and 95% i | nterval | Test of nu | ll (2-Tail) | | Hetero | geneity | | | Tau-se | juared | | |
| Model | | mber idies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau | |
| Fixed Random | | 2 | 0,759 | 0,298 | 0,959 | 1,123 | 0,262 | 1,375 | 1 | 0,241 | 27,271 | 0,784 | 4,066 | 16,531 | 0,885 | |
| C: MgSO | 94 | 2 | 0,762 | 0,234 | 0,971 | 0,969 | 0,333 | | | | | | | | | |
| C: MgSO |)4 | | | 0,234 | 0,971 | 0,969 | 0,333 | | | Eve | nt rate and 9 | 5% CI_ | | | | |
| Study name | | | | | 0,971 p-Value | 0,969 | 0,333 | | | Eve | nt rate and 9 | 5% CI | | | | |
| Study name | Event | <u>Statist</u> Lower | tics for ea | ch study_ | | 0,969 -1,00 | 0,333 | _0,50 Favour | | Eve | nt rate and 9 | 5% CI | 0,5 Favou | | | _ 1,00 |
| Study name | Event rate 0,500 | Statist Lower limit 0,059 | tics for ea Upper limit 0,941 0,941 | ich study Z-Value 0,000 | p-Value 1,000 1,000 | -1,00 | 0,333 | , | s A | Eve | 0,00 | 5% CI | Favou | | | 1,00 |
| Study name E Juusela et al., 2020 | Event rate 0,500 0,500 | Statist Lower limit 0,059 | tics for ea Upper limit 0,941 0,941 | ich study Z-Value 0,000 0,000 | p-Value 1,000 1,000 | -1,00 | <u>null (2-Tail)</u> | , | s A He | terogeneit | 0,00 | Ta | Favou T u Stane | rs B au-squared dard | | |

Figure 5. Meta-analysis and forest plots for comorbidities of COVID-19 of pregnant women

A: Asthma

| Study nam | ne | | Statisti | cs for ea | ch study | | | Even | t rate a | nd 95% | % CI | |
|---|----------|---|-------------------------|-------------------------|---|---|-------------|---------------------|----------------|---------------------------------|--------------------|-----|
| | | Event rate | Lower limit | | Z-Value p | -Value | | | | | | |
| Breslin et a Govind et a Hirshberg e Koumoutse | I., 2020 | 0,186 0,111 0,200 0,500 0,191 | 0,015 0,027 0,059 | 0,500 0,691 0,941 | -3,766 -1,961 -1,240 0,000 -4,261 | 0,000 0,050 0,215 1,000 0,000 | -1,00 | -0,50 | 0,0 | | 0,50 | |
| | | | | | | | | Favours A | | F | avours | в |
| | | | | | | | | | | - | | |
| Model | | Effect size and | 1 95% interval | Test | of null (2-Tail) | | Heterogenei | y | | Tau-si | quared | |
| Model Model | Number | Effect size and Point Lov stimate lim | ver Upper | | | Q-value | | ly lue I-squared | Tau Squared | Tau-sı Standard Error | quared Variance | Tau |

B: Diabetes mellitus

| Study name | | Statisti | cs for e | ach stud | У | | Event | rate and 9 | 95% CI | |
|----------------------------|---------------|----------------|----------------|----------|---------|-------|-----------|------------|-----------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | |
| Breslin et al., 2020 | 0,070 | 0,023 | 0,195 | -4,327 | 0,000 | 1 | 1 | 1 🛲 — | · 1 | 1 |
| Hantoushzadeh et al., 2020 | 0,111 | 0,015 | 0,500 | -1,961 | 0,050 | | | | | |
| Hirshberg et al., 2020 | 0,200 | 0,027 | 0,691 | -1,240 | 0,215 | | | | | |
| | 0,093 | 0,039 | 0,206 | -4,813 | 0,000 | | | | - | |
| | | | | | | -1,00 | -0,50 | 0,00 | 0,50 | 1,00 |
| | | | | | | | Favours A | | Favours B | |

| Model | | | Effect siz | e and 95% | interval | Test of nu | II (2-Tail) | | Heter | ogeneity | | | Tau-so | quared | |
|-----------------|-------------------|--------|-------------------|----------------|----------------|------------------|----------------|---------|--------|----------|-----------|----------------|-------------------|----------|-------|
| Model | Number Studies | | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | | 3 3 | 0,093 0,093 | 0,039 0,039 | 0,206 0,206 | -4,813 -4,813 | 0,000 0,000 | 0,943 | 2 | 0,624 | 0,000 | 0,000 | 0,826 | 0,682 | 0,000 |

C: Hypothyroidism

| Study name | | or each study | Eve | nt rate and 95% Cl |
|--|--|---|--------------------------|--|
| Study name | Event Lower Upp | ber | Eve | |
| Hantoushzadeh et al., 2(Liu et al., 2020c Qiancheng et al., 2020 Mu et al., 2020b Yu et al., 2020 | 020 0,111 0,015 0, 0,333 0,043 0, 0,036 0,005 0, 0,087 0,022 0, 0,143 0,020 0, | itt Z-Value p-Value 500 -1,961 0,050 846 -0,566 0,571 214 -3,236 0,001 289 -3,177 0,001 581 -1,659 0,997 211 -4,962 0,000 | -1,00 -0,50 Favours A | Favours B |
| lodel | Effect size and 95% interval | Test of null (2-Tail) | Heterogeneity | Tau-squared |
| Number Nodel Studies | Point Lower Upper estimate limit limit | Z-value P-value Q-value | df (Q) P-value I-squared | Tau Standard Squared Error Variance Tau |
| | 5 0,102 0,046 0,211 | -4,962 0,000 2,866 -4,962 0,000 | 4 0,580 0,000 | 0,000 0,706 0,499 0,000 |
| D: Chronic hyp | ertension | | | |
| Study name | S <u>tatistics for e</u> Event Lower Upper | ach study | Event | rate and 95% Cl |
| Breslin et al., 2020 Hirshberg et al., 2020 Li et al., 2020a | 0,070 0,023 0,195 | Z-Value p-Value -4.327 0.000 0.444 0.657 -2.574 0.010 -1.765 0.078 -1 | ,00 -0,50 Favours A | 0,00 0,50 1,00 Favours B |
| lodel | Effect size and 95% interval | Test of null (2-Tail) | Heterogeneity | T au-squared |
| odel Studies | Point Lower Upper estimate limit limit | Z-value P-value Q-value | df (Q) P-value I-squared | Tau Standard Squared Error Variance Tau |
| | 3 0,146 0,070 0,279 3 0,184 0,042 0,541 | -4,235 0,000 7,611 -1,765 0,078 | 2 0,022 73,722 | 1,559 2,145 4,603 1,248 |
| Hantoushzadeh et al., 2 Hirshberg et al., 2020 Juusela et al., 2020 Koumoutsea et al., 2020 | 020 0,333 0,111 0 0,200 0,027 0 0,500 0,059 0 0 0,500 0,059 0 | Der nit Z-Value p-Value 667 -0,980 0,327 691 -1,240 0,215 941 0,000 1,000 941 0,000 1,000 586 -1,280 0,201 | -1,00 -0,50 Favours A | 0,00 0,50 1,00 Favours B |
| odel | Effect size and 95% interval | Test of null (2-Tail) | Heterogeneity | T au-squared |
| Number Iodel Studies | Point Lower Upper estimate limit limit | Z-value P-value Q-value | df (Q) P-value I-squared | Tau Standard Squared Error Variance Tau |
| xed 4 andom 4 | | -1,280 0,201 0,860 -1,280 0,201 | 3 0,835 0,000 | 0,000 1,001 1,002 0,000 |
| F: Heart diseas | e | | | |
| itudy name | Statistics for e | each study | Ever | nt rate and 95% Cl |
| | Event Lower Upper rate limit limit | Z-Value p-Value | | |
| uusela et al., 2020 .iu et al., 2020a | 0,833 0,194 0,99 0,067 0,009 0,35 0,338 0,008 0,97 | 0 1,039 0,299 2 -2,550 0,011 | -1,00 -0,50 Favours A | 0,00 0,50 1,00 Favours B |
| lodel | Effect size and 95% interval | Test of null (2-Tail) | Heterogeneity | Tau-squared |
| Number lodel Studies | Point Lower Upper estimate limit limit | Z-value P-value Q-value | df (Q) P-value I-squared | Tau Standard Squared Error Variance Tau |
| ixed landom | 2 0,210 0,047 0,589 2 0,338 0,008 0,970 | -1,543 0,123 5,200 -0,317 0,751 | 1 0,023 80,767 | 7,289 12,763 162,896 2,700 |

G: Hepatitis B Study name Statistics for each study Event rate and 95% CI Event Lower Upper rate limit limit Z-Valuep-Value 0,386 -2,574 0,010 Li et al., 2020a 0.125 0.031 Qiancheng et al., 20200,071 Wu et al., 2020b 0,087 0,018 0,245 -3,495 0,000 0.022 0.289 -3,177 0.001 0,092 0,042 0,190 -5,347 0,000 -1,00 -0,50 0,50 1,00 Favours A Favours B Effect size and 95% interval Test of null (2-Tail) Model Heterogeneity Tau-squared Number Point Lowe limit Uppe limit Tau Squared Standard Model Studies estimate Z-value P-value df (Q) P-value I-squared Error Variance Q-value Tau Fixed 0,092 0,042 0,190 -5.347 0,000 0.354 2 0,838 0,000 0,000 0,552 0,305 0.000 3 Bandom 3 0,092 0,042 0,190 -5.347 0.000 H: Polycystic ovary syndrome Study name Statistics for each study Event rate and 95% CI Event Lower Upper rate limit limit Z-Value p-Value Juusela et al., 2020 0.059 0.941 0.000 1 000 0.500 Li et al., 2020a Yu et al., 2020 -2.574 0,125 0,143 0.031 0,386 0.010 0,581 0,020 -1,659 0,097 0,169 0,063 0,383 -2,803 0,005 -1,00 -0,50 0,00 0,50 1,00 Favours A Favours B Model Effect size and 95% interval Test of null (2-Tail) Tau-squared Heterogeneity Number Studies Point estimate Upper Tau Squared Standard Error Lower limit Model Z-value P-value Variance df (Q) P-value I-squared Tau Q-value 0,063 -2,803 0,005 0,468 0,000 0,000 1,108 1,228 0,000 Fixed 0,169 0,383 1,521 2 3 Bandom 0.169 0.063 0.383 -2.803 0.005 I: Thalassemia Study name Statistics for each study Event rate and 95% Cl Event Lower Upper limit Z-Value p-Value limit rate Liu et al., 2020a 0,067 0,009 0,352 -2,550 0,011 0,067 0.009 0.352 -2.550 0.011 -1.00 -0.50 0.50 1.00 0.00 Favours A Favours B Model Effect size and 95% interval Test of null (2-Tail) Heterogeneity Tau-squared Number Studies Point estimate Lowe limit Uppe limit Tau Standard Model Z-value P-value Squared Q-value df (Q) P-value I-squared Error Variance Tau 1,000 0,000 0,000 0,000 0,000 0,000 Fixed 0,067 0,009 0,352 -2,550 0,011 0,000 Ω Bandom 0.067 0,009 0.352 -2 550 0.011 J: Cholecystitis Event rate and 95% Cl Study name Statistics for each study Event Lower Upper limit Z-Value p-Value rate limit Chen et al., 2020d 0,250 0,034 0,762 -0,951 0,341 0,250 0,034 0,762 -0,951 0,341 . -1,00 -0,50 0,00 . 0,50 1,00 Favours A Favours B Model Effect size and 95% interval Test of null (2-Tail) Heterogeneity Tau-squared Number Studies Point estimate Lower limit Uppe limit T au Squared Standard Error Model 7.value P-value df (Q) P-value I-squared Variance Tau O_value Fixed 0.250 0.034 0.762 -0.951 0.341 0.000 n 1,000 0,000 0,000 0.000 0.000 0.000 Random 0,250 0,034 0,762 0,951 0,341

K: Chronic kidney disease

| Study name | e | 5 | Statist | ics for | each st | tudy | | | Eve | nt rate an | d 95% CI | | |
|---|-------------------|----------------------|-----------------------------------|--|--|--------------------------------------|-------------------------|--------------------|-------------------------|----------------------|--------------------------|-----------------|----------|
| | | Event rate | Lowe limit | | ər t Z-Valı | | lue | | | | | | |
| Hirshberg et | t al., 2020 | | 0,02 | 7 0,69 | 91 -1,24 91 -1,24 | 40 0,2 | 215 215 | 1,00 | -0,50 | 0,00 | 0. | 50 | 1.00 |
| | | | | | | | | , | Favours A | | Favo | | ., |
| fodel | | Effect siz | e and 95% | interval | Test of r | null (2-Tail) | | Heteroger | neity | | Tau-squared | | |
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df(Q) P- | value I-squared | | tandard Error Varianc | e Tau | |
| Fixed | 1 | | 0,027 | | -1,240 -1,240 | | 0,000 | 0 | 1,000 0,000 | 0,000 | 0,000 0,0 | 100 0,000 | |
| L: Famil | ial neu | | | | | | | | | | | | |
| | ial neu | troper Eve | nia st | atistics | s for eacl | h study | - | | <u>E</u> \ | vent rate a | ind 95% C | <u>l</u> | 1 |
| L: Famil Study name | ial neu | troper Eve rat | nia st ent Lo te I | atistics ower U imit | for eacl Ipper limit Z- | h study Value p | o-Value | -1,00 | <u>Ev</u> -0,50 | vent rate a | | <u>1</u> ,50 | 1,00 |
| L: Famil Study name | ial neu | troper Eve rat | nia st ent Lo te I | atistics ower U imit 0,059 | <mark>s for eac</mark> l Ipper Iimit Z - 0,941 | h study Value p | 5-Value 1,000 | -1,00 | | 0,0 | | | 1,00 |
| L: Famil Study name <oumoutsea< td=""><td>ial neu</td><td>Eve ra: 0 0,</td><td>nia st ent Lo te I</td><td>atistics ower U imit 0,059 0,059</td><td>s for eacl Jpper limit Z- 0,941 0,941</td><td>h study Value p</td><td>5-Value 1,000</td><td>-1,00 Heterogen</td><td>-0,50 Favours</td><td>0,0</td><td></td><td>,50</td><td>1,00</td></oumoutsea<> | ial neu | Eve ra: 0 0, | nia st ent Lo te I | atistics ower U imit 0,059 0,059 | s for eacl Jpper limit Z- 0,941 0,941 | h study Value p | 5-Value 1,000 | -1,00 Heterogen | -0,50 Favours | 0,0 | | ,50 | 1,00 |
| L: Famil Study name | ial neu | Eve ra: 0 0, | nia st nt Lo te I 500 | atistics ower U imit 0,059 0,059 | s for each Jpper limit Z- 0,941 0,941 0,941 | h study Value p 0,000 0,000 | | Heterogen | -0,50 Favours | 0,0 s A Tau St | 0 0 Favo | ,50 purs B | 1,00 |

Figure 6. Meta-analysis and forest plots for diseases related to pregnancy of COVID-19 of

pregnant women

A: Gestational diabetes mellitus

| Study name | | Statist | ics for ea | ich study | | | | Event rate and 95% CI | | |
|--------------------------|---------------|----------------|----------------|--------------|---------|---------------------|--------------|-----------------------|-------------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | |
| Breslin et al., 2020 | 0,023 | 0,003 | 0,147 | -3,694 | 0,000 | 1 | 1 | | 1 | |
| Cao et al., 2020 | 0,100 | 0,014 | 0,467 | -2,084 | 0,037 | | | | | |
| Chen et al., 2020c | 0,400 | 0,100 | 0,800 | -0,444 | 0,657 | | | | | - |
| Ferrazzia et al., 2020 | 0,143 | 0,066 | 0,283 | -4,063 | 0,000 | | | | - 1 | |
| Govind et al., 2020 | 0,222 | 0,056 | 0,579 | -1,562 | 0,118 | | | — · | | |
| Hantoushzadeh et al., 20 | 20 0,111 | 0,015 | 0,500 | -1,961 | 0,050 | | | | | |
| luusela et al., 2020 | 0,500 | 0,059 | 0,941 | 0,000 | 1,000 | | | | | |
| Koumoutsea et al., 2020 | | 0,059 | 0,941 | 0,000 | 1,000 | | | | | |
| Lietal., 2020a | 0,188 | 0,062 | 0,447 | -2,289 | 0,022 | | | | | |
| Liu et al., 2020a | 0,067 | 0,009 | 0,352 | -2,550 | 0,011 | | | - | | |
| Qiancheng et al., 2020 | 0,071 | 0,018 | 0,245 | -3,495 | 0,000 | | | | | |
| | 0,145 | 0,095 | 0,215 | -7,282 | 0,000 | | I | | 1 | |
| | | | | | | -1,00 | -0,50 | 0,00 | 0,50 | 1,00 |
| | | | | | | | Favours A | | Favours B | |
| | | | | | | | | | | |
| Model | | Effe | ct size and | d 95% interv | al Te | st of null (2-Tail) | Heterogeneit | U | Tau-squared | |

| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
|--------|-------------------|-------------------|----------------|----------------|---------|---------|---------|--------|---------|-----------|----------------|-------------------|----------|-------|
| Fixed | 1 | I 0,145 | 0,095 | 0,215 | -7,282 | 0,000 | 11,920 | 10 | 0,290 | 16,108 | 0,134 | 0,375 | 0,141 | 0,366 |
| Random | 1 | I 0,146 | 0,090 | 0,228 | -6,351 | 0,000 | | | | | | | | |

B: Hypertension

0,094 0,092

6 6 0,047 0,041 0,180 0,194

Fixed Random

| Study name | | Statist | cs for ea | ch study | | | | Event rate and 95% CI | | |
|---|---|---|---|-------------------------------------|--|-----------------------|--------------------|----------------------------|-------------------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | |
| Breslin et al., 2020 Chen et al., 2020a Govind et al., 2020 Juusela et al., 2020 Qiancheng et al., 2020 Wu et al., 2020b | 0,023 0,111 0,111 0,500 0,036 0,130 0,094 | 0,003 0,015 0,015 0,059 0,005 0,043 0,047 | 0,147 0,500 0,500 0,941 0,214 0,335 0,180 | -1,961 0,000 -3,236 -3,064 | 0,000 0,050 1,000 0,001 0,002 0,000 | -1,00 | -0,50 Favours A | 0,00 | 0,50 Favours B | 1,00 |
| Model | | E | ffect size | and 95% int | erval | Test of null (2-Tail) | Heterogen | eity | Tau-squared | |
| Model | Nun Stur | | | | Jpper limit | Z-value P-value | Q-value df (Q) P-v | Ta value I-squared Squa | | u |

6,122

5 0,294 18,332

0,212

0,735 0,540

0,461

0,000 0,000

-5,922 -5,225

C: Preeclampsia

| C: Preeci | ampsia | | |
|---|---|---|--|
| Study name | _ <u>Statistics for each study</u> | Event rate and 95% CI | |
| | Imit Limit Z-Value p-Value 0.300 0.100 0.624 -1.226 0.220 0.111 0.015 0.500 -1.961 0.650 0.200 0.027 0.691 -1.240 0.215 0.500 0.059 0.941 0.000 1.000 0.633 0.099 0.335 -2.622 0.009 0.125 0.017 0.537 -1.820 0.069 0.286 0.072 0.673 -1.095 0.273 0.203 0.111 0.343 -3.749 0.000 | -0,50 0,00 Favours A | 0,50 1,00 Favours B |
| Model | Effect size and 95% interval Test of null (2-Tail) | Heterogeneity | T au-squared |
| | Number Point Lower Upper | Tau | Standard |
| Model | Studies estimate limit limit Z-value P-value | Q-value df (Q) P-value I-squared Squared | Error Variance Tau |
| Fixed Random | 7 0,203 0,111 0,343 -3,749 0,00 7 0,203 0,111 0,343 -3,749 0,00 | | 0,556 0,309 0,000 |
| D: Choles | stasis | | |
| Study name | Statistics for each study | Event rate and 95% CI | |
| Breslin et al., 2020 | Event Lower Upper rate limit limit Z-Value p-Value 0.023 0.003 0.147 -3.694 0.000 0.023 0.023 0.003 0.147 -3.694 0.000 -1,00 | -0,50 0,00 Favours A | 0,50 1,00 Favours B |
| Model | Effect size and 95% interval Test of nul | (2-Tail) Heterogeneity | Tau-squared |
| Model | Number Point Lower Upper Studies estimate limit limit Z-value | | Tau Standard Squared Error Variance Tau |
| Fixed Random | 1 0.023 0.003 0.147 -3.694 1 0.023 0.003 0.147 -3.694 | 0.000 0.000 0 1.000 0.000 0.000 | 0,000 0,000 0,000 0,000 |
| E: Anaen | nia | | |
| Study name | Statistics for each study | Event rate and 95% CI | |
| Cao et al., 2020 Chen et al., 2020d | Trate limit Limit Z-Value p-Value 0.100 0.0.14 0.467 -2.084 0.037 0.250 0.034 0.762 -0.951 0.341 0.155 0.034 0.762 -0.951 0.341 0.029 -1,00 | -0,50 0,00 Favours A | 0,50 1,00 Favours B |
| Model | Effect size and 95% interval Test of null (2-Tail) | Heterogeneity | T au-squared |
| Model | Number Point Lower Upper Studies estimate limit limit Z-value P-value | Q-value df (Q) P-value I-squared Squared | Standard Error Variance Tau |
| Fixed Random | 2 0,155 0,038 0,457 -2,191 0,02 2 0,155 0,038 0,457 -2,181 0,02 | 9 0,494 1 0,482 0,000 0,000 9 | 1,728 2,988 0,000 |
| F: Hypotl | nyroidism | | |
| Study name | Statistics for each study | Event rate and 95% CI | |
| Cao et al., 2020 | Event Lower Upper rate limit limit Z-Value p-Value 0,100 0,014 0,467 -2,084 0,037 0,100 0,014 0,467 -2,084 0,037 -1,00 | -0,50 0,00 Favours A | 0,50 1,00 Favours B |
| Model | Effect size and 95% interval Test of null (2-Tail) | Heterogeneity | T au-squared |
| Model | Number Point Lower Upper Studies estimate limit limit Z-value P-value | Tau Q-value df(Q) P-value I-squared Squared | Standard Error Variance Tau |
| Fixed Random | 1 0,100 0,014 0,467 -2.084 0,03 1 0,100 0,014 0,467 -2.084 0,03 | 37 0,000 0 1,000 0,000 0,000 37 | 0,000 0,000 0,000 |
| G: Decrea | ase in foetal movement | | |
| <u>Study name</u> Breslin et al., 2020 Chen et al., 2020d | | | 0,50 1,00 Favours B |
| Model | Effect size and 95% interval Test of null (2-Tail) | Heterogeneity | T au-squared |
| Model | Number Point Lower Upper Studies estimate limit limit Z-value P-value | Tau Q-value df (Q) P-value I-squared Squared | Standard Error Variance Tau |
| Fixed Random | 2 0.070 0.017 0.250 -3.405 0.00 2 0.078 0.006 0.527 -1.879 0.06 | 1 2,955 1 0,086 66,155 2,304 0 | 4,925 24,253 1,518 |

H: Multiple pregnancies

| Study name | | Stati | stics for e | ach study | | | | Event rate an | d 95% CI | | | |
|--------------------|----------------|----------------|----------------|-------------------------------------|----------------|---------------|--------------------|-----------------------------|----------|---------------|-----------------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | |
| Chen et al., 2020b | 0,017 0,017 | 0,004 0,004 | | | 0,000 0,000 | -1,00 | -0,50 Favours A | 0,00 | • | 0,50 Favou | | 1,00 |
| | | | | | | | | | | | | |
| Model | | E | ffect size a | nd 95% interv | al Test of | null (2-Tail) | Heteroge | eneity | | Tau-squa | ared | |
| Model | Numb Studie | er F | oint La | nd 95% interv wer Upp mit lim | per | | | eneity P-value I-squared | | tandard | ared ariance | Tau |

I: Early membrane rupture

| Study name | | Statist | ics for ea | ch study | | | | Event rate and 95% CI | _ | |
|--------------------|---------------|----------------|----------------|-------------|---------|------------------|---------------|-----------------------|-------------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | |
| Cao et al., 2020 | 0,400 | 0,158 | 0,703 | -0,628 | 0,530 | 1 | 1 | | | 1 |
| Chen et al., 2020a | 0,222 | 0,056 | 0,579 | -1,562 | 0,118 | | | | | |
| Li et al., 2020a | 0,125 | 0,031 | 0,386 | -2.574 | 0.010 | | | | | |
| Liu et al., 2020b | 0,158 | 0.052 | 0.392 | -2.661 | 0.008 | | | | | |
| Liu et al., 2020d | 0,077 | 0,011 | 0,391 | -2,387 | 0,017 | | | | | |
| Nu et al., 2020b | 0,087 | 0,022 | 0,289 | -3,177 | 0,001 | | | | | |
| Zeng et al., 2020b | 0,091 | 0,030 | 0,247 | -3,803 | 0,000 | | | _ | - | |
| Zhu et al., 2020 | 0,333 | 0,111 | 0.667 | -0,980 | 0.327 | | | | | |
| | 0.171 | 0.112 | 0.253 | -6,260 | 0.000 | | | | | |
| | | | | | | -1,00 | -0,50 | 0,00 | 0,50 | 1,00 |
| | | | | | | | Favours A | | Favours B | |
| Model | | File | ct size and | 95% interva | d Test | of null (2-Tail) | Heterogeneity | | Tau-squared | |

| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
|-----------------|-------------------|-------------------|----------------|----------------|------------------|----------------|---------|--------|---------|-----------|----------------|-------------------|----------|-------|
| Fixed Random | 8 | 0,171 0,170 | 0,112 0,106 | 0,253 0,262 | -6,260 -5,633 | 0,000 0,000 | 8,573 | 7 | 0,285 | 18,353 | 0,116 | 0,338 | 0,114 | 0,340 |

J: Aplasia placenta

| Study name | | Statist | ics for ea | ch study | | | Event rate and 95% CI | _ | |
|---|---|---|---|--|---|--------------------|-----------------------|-------------------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | |
| ao et al., 2020 i et al., 2020a u et al., 2020 hu et al., 2020 | 0,100 0,063 0,200 0,111 0,107 | 0,014 0,009 0,027 0,015 0,041 | 0,467 0,335 0,691 0,500 0,254 | -2,084 -2,622 -1,240 -1,961 -3,980 | 0,037 0,009 0,215 0,050 0,000 | | | - | |
| | | | | | -1,00 | -0,50 Favours A | 0,00 | 0,50 Favours B | 1,00 |
| odel | | Eff | ect size an | d 95% interva | I Test of null (2-Tail) | Heterogeneity | | T au-squared | |

0,762

3 0,859 0,000

0,000

0,927

0,860

K: Placenta previa

4 0,107 0,107 0,041 0,041

0,254 0,254

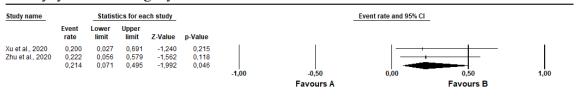
-3,980 -3,980

0,000 0,000

Fixed Random

| Study name | | Statist | ics for ea | ch study | | | | | Event rate and 95% CI | | | |
|--|---|---|---|--|---|---|--------|--------------------|-------------------------|-----------|--------|-----|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | |
| Chen et al., 2020d Liu et al., 2020a Ku et al., 2020 Zhu et al., 2020 | 0,250 0,067 0,200 0,111 0,136 | 0,034 0,009 0,027 0,015 0,051 | 0,762 0,352 0,691 0,500 0,313 | -0,951 -2,550 -1,240 -1,961 -3,400 | 0,341 0,011 0,215 0,050 0,001 | 1,00 | -0,50 | | 0,00 | | 0,50 | 1,0 |
| | | | | | | | Favour | SA | | Fav | ours B | |
| Model | | Effe | ect size an | d 95% interv | al Testofn | ull (2-Tail) | | s A terogeneity | | | ours B | |
| Model | Numb Studie | er Poi | nt Lov | ver Upp | er | ull (2-Tail) — — — — — — — — — — — — — — — — — — — | | terogeneity | Tau I-squared Square | Tau-s | quared | Tau |

L: Polyhydroamnos/oligohydroamnios



| Model | | Effect s | ize and 95% | interval | Test of null | (2-Tail) | | Heter | ogeneity | | | Tau-so | quared | | |
|-----------------|-------------------|--------------------|----------------|----------------|------------------|----------------|---------|--------|----------|-----------|----------------|-------------------|----------|-------|--|
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau | |
| Fixed Random | | 2 0,214 2 0,214 | | 0,495 0,495 | -1,992 -1,992 | 0,046 0,046 | 0,009 | 1 | 0,923 | 0,000 | 0,000 | 1,338 | 1,791 | 0,000 | |

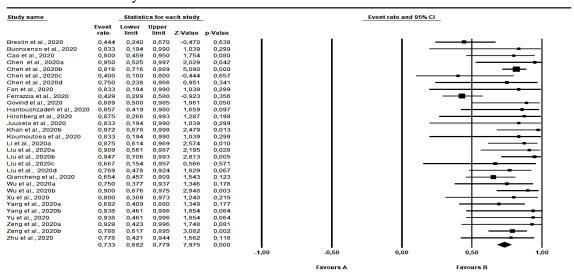
0,000

M: Postpartum bleeding

| study name | | Statist | ics for ea | ich study | | | | | Eve | ent rate and 95 | % CI | | | | |
|---------------------|---------------------|----------------|----------------|----------------|-----------------------|--------------|--------------|--------------------|-------------|-----------------|----------------|--------------|--------------------|---------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | | | | |
| oumoutsea et al., 2 | 2020 0,500 0,500 | 0,059 0,059 | 0,941 0,941 | 0,000 0,000 | 1,000 1,000 | -1,00 | | -0,50 Favours A | | 0,00 | | 0,5 Favor | | | 1,00 |
| | | | | | | | | | | | | | | | |
| 1odel | | Ef | fect size a | nd 95% inte | erval | Test of null | (2-Tail) | He | terogeneity | | | Tau-so | quared | | |
| Model | Numb Studie | er Po | oint L | ower U | erval pper imit | | (2-Tail) | Q-value df (Q | | l-squared | Tau Squared | Tau-so | quared Variance | Tau | |

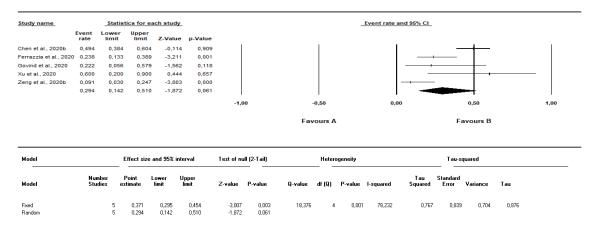
Figure 7. Meta-analysis and forest plots for duration of pregnancy and mode of delivery of COVID-19 of pregnant women

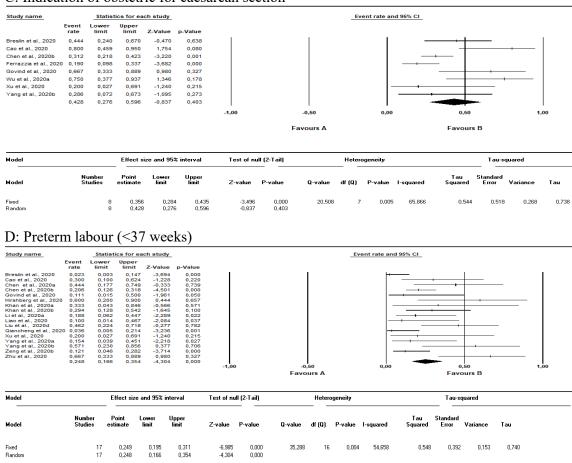
A: Caesarean delivery



| Model | | | Effect siz | ze and 95% | interval | Test of nu | ll (2-Tail) | | Hetero | geneity | | | Tau-se | quared | |
|-----------------|-----|-------------------|-------------------|----------------|----------------|----------------|----------------|------------|--------|---------|-----------|----------------|-------------------|----------|-------|
| Model | | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | | 30 30 | | 0,682 0,706 | 0,779 0,839 | 7,975 6,383 | 0,000 0,000 | 51,533 | 29 | 0,006 | 43,725 | 0,398 | 0,273 | 0,075 | 0,631 |
| D I 1' | · · | c | CON | TD 1 | 0.0 | | | , . | | | | | | | |

B: Indication of COVID-19 for caesarean section

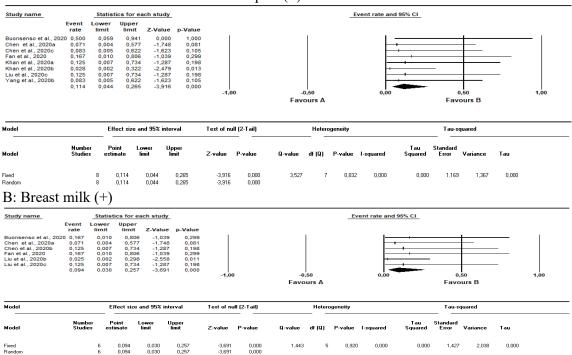




C: Indication of obstetric for caesarean section

Figure 8. Meta-analysis and forest plots for COVID-19 test results in postpartum period at the first 24 hours

A: Placenta and umbilical cord blood samples (+)



C: Vaginal swab (+) Study name Statistics for each study Event rate and 95% CI Upper limit .ower limit rate Z-Value p-Value -1,039 -1,287 -1,647 0,299 0,198 0,100 0,167 0,125 0,144 0,010 0,007 0,020 Fan et al., 2020 Liu et al., 2020c 0,806 0,734 0,584 1,00 -1,00 -0,50 0,0 0,50 Favours A Favours B Model Effect size and 95% interval Test of null (2-Tail) Heterogeneity Tau-squared Number Studies Point estimate Lower limit Upper limit Tau Square Standard Error Model Z-value P-value df (Q) P-value l-squared Variance Tau Fixed Random 0,144 0,144 0,020 0,020 0,584 0,584 -1,647 -1,647 0,100 0,100 10,978 0,000 0,024 1 0.876 0.000 0.000 3,313 D: Amniotic fluid (+) Statistics for each study Event rate and 95% CI Study name Event rate ., 2020 0,167 0a 0,083 0,167 0,025 0,125 0b 0,083 0,083 Lower limit Upper limit Z-Value p-Value Buonsenso et al., Chen et al., 2020 Chen et al., 2020 Fan et al., 2020 Liu et al., 2020b Liu et al., 2020c Yang et al., 2020 0,010 0,004 0,005 0,010 0,002 0,007 0,005 0,031 0,806 0,577 0,622 0,806 0,298 0,734 0,622 0,224 -1,039 -1,748 -1,623 -1,039 -2,558 -1,287 -1,623 -4,158 0,299 0,081 0,105 0,299 0,011 0,198 0,105 0,000 -0,50 Favours A 0,50 Favours B Model Effect size and 95% interval Test of null (2-Tail) Heterogeneity T au-squared Number Studies Point estimate Upper limit Tau Squared Standard Error Variance Lower limit Model Z-value P-value Q-value df (Q) P-value I-squared Tau Fixed Random 0,087 0,087 0,031 0,031 0,224 0,224 -4,158 -4,158 0,000 0,000 1,393 6 0,968 0,000 0,000 1,288 1,659 0,000 7 7

Figure 9. Meta-analysis and forest plots for COVID-19 test results in postpartum period at the 2nd-14th day

A: Breast milk (+)

| Study name | | Statis | tics for ea | ch study | | | | | | Ev | ent rate and | 1 95% CI | | | | |
|--|--------------------------------------|----------------|----------------------------------|-------------------------------------|----------------------------------|------------|-------------|-------------|-------------|----------|--------------|----------------|-------------------|---------------|------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | | | | | |
| Buonsenso et al., 20 Gidlof et al., 2020 Yu et al., 2020 | 120 0,500 0,167 0,333 0,328 | 0,010 0,043 | 0,941 0,806 0,846 0,699 | 0,000 -1,039 -0,566 -0,900 | 1,000 0,299 0,571 0,368 | -1,00 | 1 | -0, Favo | 50 urs A | | 0,00 | | | ,50 purs B | | 1,00 |
| Model | | E | ffect size a | nd 95% inte | rval | Test of nu | ll (2-Tail) | | Heter | ogeneity | | | Tau-s | quared | | |
| Model | Num Studi | | | ower U imit I | pper imit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau | |
| | | | | | | | | | | | | | | | | |

B: Vaginal swab (+)

| Study name | | Statis | tics for ea | ch study | | | | | | Eve | ent rate and | 95% CI | | | | |
|---------------------|----------------|-------------------|----------------------------------|------------------|---------------------------|-----------------------|----------------------------|----------------|-------------------------|--------------------|--------------|----------------|---------------------------------|--------------------|-----|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | | | | | |
| Sidlof et al., 2020 | 0,167 0,167 | 0,010 0,010 | 0,806 0,806 | -1,039 -1,039 | 0,299 0,299 | -1,00 | | -0,50 Favou | | | 0,00 | | | 50 Furs B | | 1,00 |
| | | | | | | | | | | | | | | | | |
| fodel | | | Effect size | e and 95% ir | nterval | Test of nu | ll (2-Tail) | | Hetero | geneity | | | Tau-se | quared | | |
| Model Model | | lumber Studies | Effect size Point estimate | | nterval Upper limit | Test of nu Z-value | ll (2-Tail) P-value | Q-value | Hetero — — df (Q) | geneity P-value | l-squared | Tau Squared | Tau-se Standard Error | quared Variance | Tau | |

Figure 10. Meta-analysis and forest plots for admission to intensive care unit of COVID-19

of pregnant women

| Study name | | Statist | ics for ea | nch study | | | | | | Ev | ent rate and | 95% CI | | | | |
|---|---------------|---|---|--|---|------------|-------------|---------|--------|----------|-----------------|----------------|-------------------|----------|----------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | | | | | |
| Areslin et al., 2020 errazzia et al., 2020 lirshberg et al., 2020 uusela et al., 2020 i et al., 2020a iu et al., 2020d Vu et al., 2020a leng et al., 2020b | | 0,012 0,036 0,378 0,194 0,002 0,011 0,003 0,001 0,038 | 0,168 0,228 0,995 0,990 0,336 0,391 0,505 0,196 0,332 | -4,283 1,623 1,039 -2,436 -2,387 -1,947 -2,951 | 0,000 0,000 0,105 0,299 0,015 0,017 0,052 0,003 0,002 | | | | | | ╡╵ ╄╎┼┨ ┛ | | | | i | |
| | | | | | | -1,00 | 1 | -0, | 50 | | 0,00 | | 0 | ,50 | | 1,00 |
| | | | | | | | | Favo | urs A | | | | Favo | ours B | | |
| fodel | | E | ffect size a | and 95% inte | erval | Test of nu | ll (2-Tail) | | Hetero | ogeneity | | | Tau-s | quared | | |
| fodel | Nur Stud | | | .ower U limit I | pper imit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau | |
| | | | | | | | | | | | | | | | | |

Figure 11. Meta-analysis and forest plots for maternal death of COVID-19 of pregnant women

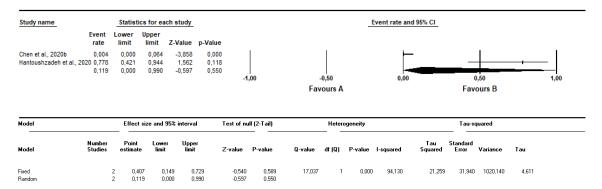


Figure 12. Meta-analysis and forest plots for perinatal outcomes of new-borns

A: Low birth weight (<2500 gr)

| itudy name | | Statistic | s for eac | ch study | | | | Event rate and 95% CI | | |
|----------------------------|---------------|----------------|----------------|----------|---------|-------|-----------|-----------------------|-----------|------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | |
| luonsenso et al., 2020 | 0,500 | 0,059 | 0,941 | 0,000 | 1,000 | 1 | | I —— | | I |
| ao et al., 2020 | 0,182 | 0.046 | 0,507 | -1.924 | 0,054 | | | | | |
| chen et al., 2020a | 0,222 | 0,056 | 0,579 | -1,562 | 0,118 | | | | | |
| Sidlof et al., 2020 | 0,500 | 0,059 | 0,941 | 0,000 | 1,000 | | | | | |
| ovind et al., 2020 | 0,222 | 0,056 | 0,579 | -1,562 | 0,118 | | | | | |
| lantoushzadeh et al., 2020 | 0,500 | 0,200 | 0,800 | 0,000 | 1,000 | | | | | - |
| irshberg et al., 2020 | 0,875 | 0,266 | 0,993 | 1,287 | 0,198 | | | | | _ |
| han et al., 2020b | 0,176 | 0,058 | 0,427 | -2,421 | 0,015 | | | | | |
| oumoutsea et al., 2020 | 0,167 | 0,010 | 0,806 | -1,039 | 0,299 | | | | | - |
| et al., 2020a | 0,188 | 0,062 | 0,447 | -2,289 | 0,022 | | | | | |
| iancheng et al., 2020 | 0,036 | 0,005 | 0,214 | -3,236 | 0,001 | | | H | | |
| u et al., 2020 | 0,200 | 0,027 | 0,691 | -1,240 | 0,215 | | | | | |
| u et al., 2020 | 0,063 | 0,004 | 0,539 | -1,854 | 0,064 | | | | | |
| eng et al., 2020b | 0,030 | 0,004 | 0,186 | -3,413 | 0,001 | | | H | | |
| hu et al., 2020 | 0,700 | 0,376 | 0,900 | 1,228 | 0,220 | | | | | |
| | 0,242 | 0,140 | 0,386 | -3,310 | 0,001 | | | | | |
| | | | | | | -1,00 | -0,50 | 0,00 | 0,50 | 1,00 |
| | | | | | | | Favours A | | Favours B | |

| Model | | Effect si | ze and 95% | interval | Test of nu | ll (2-Tail) | | Hetero | geneity | | | Tau-so | quared | |
|-----------------|-------------------|-------------------|----------------|----------------|------------------|----------------|---------|--------|---------|-----------|----------------|-------------------|----------|-------|
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| Fixed Random | 15 | | 0,175 0,140 | 0,343 0,386 | -4,772 -3,310 | 0,000 0,001 | 28,261 | 14 | 0,013 | 50,461 | 0,832 | 0,649 | 0,421 | 0,912 |

B: Apgar Score in the first minute <7

| B: Apgar S | core i | | | | | | | | | | | |
|--|---|---|--|---|--|--------------------------|----------------|---------------|------------|----------------|----------------------------|-------------|
| Study name | Ever | nt Lowe | | ch study Z-Value | - | | | | Event rate | e and 95% Cl | | |
| Breslin et al., 2020 Buonsenso et al., 2020 Chen et al., 2020 Chen et al., 2020 Chen et al., 2020 Govin et al., 2020 Govind et al., 2020 Govind et al., 2020 Govind et al., 2020 Khan et al., 2020 Khan et al., 2020b Liu et al., 2020d Gliancheng et al., 2020 Yang et al., 2020b Zeng et al., 2020b Zhu et al., 2020b Zhu et al., 2020b Zhu et al., 2020b Zhu et al., 2020b | 0,00 0,01 0,0 0,00 0,0 0,0 0,1 0,1 0,1 0 | 26 0.00 667 0.01 667 0.01 500 0.00 7 0.00 0.00 0.00 0.01 0.00 0.02 0.00 0.03 0.01 0.04 0.02 0.05 0.00 0.02 0.00 0.02 0.00 0.04 0.00 0.05 0.00 0.02 0.00 0.03 0.00 0.04 0.00 0.05 0.00 0.06 0.00 0.07 0.00 0.06 0.00 0.06 0.00 0.06 0.00 0.07 0.00 0.06 0.00 0.07 0.00 0.07 0.00 0.07 0.00 0.07 0.00 0.07 0.00 0.07 0.00 0.07 | 12 0.310 12 0.310 13 0.425 130 0.475 131 0.475 130 0.475 131 0.674 140 0.806 151 0.806 141 0.806 131 0.844 141 0.677 152 0.336 152 0.336 153 0.844 160 0.223 171 0.223 111 0.622 114 0.539 144 0.539 144 0.539 144 0.533 144 0.533 144 0.533 144 0.533 144 0.533 144 0.533 144 0.542 145 0.577 146 0.577 147 0.166 143 0.166 144 | -2.519 -1.039 -2.170 -2.029 -3.487 -1.474 -1.039 -0.980 -0.980 -0.566 -1.287 -2.690 0.000 -2.436 -2.170 -1.287 -2.084 -2.170 -1.283 -1.854 -1.748 -1.854 -1.748 -3.413 -2.103 | 0.012 0.012 0.299 0.030 0.040 0.000 0.299 0.327 0.299 0.327 0.007 0.571 0.007 0.571 0.007 0.198 0.0198 0.0198 0.0198 0.0037 0.0037 0.0037 0.0037 0.0037 0.0037 0.0037 0.0037 0.0037 0.004 0.003 0.004 0.003 0.003 0.003 0.003 0.003 0.003 0.0037 0.000100000000000000000000000000000000 | -1.00 | | .50 | | | | |
| Model | | Effect siz | e and 95% i | nterval | Test of n | ull (2-Tail) | He | eterogeneity | | | Tau-squared | |
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value df (| Q) P-value | l-squared | Tau Squared | Standard Error Variance | Tau |
| Fixed Random | 26 26 | 0,111 0,099 | 0,072 0,060 | 0,167 0,159 | -8,527 -7,980 | | 30,437 | 25 0,20 | 18 17,862 | 0,343 | 0,546 0,298 | 3 0,586 |
| C: Apgar S | core i | n the | fifth | minu | te <7 | | | | | | | |
| Study name | Even | t Lower | tics for ea Upper limit | | p-Value | | | | Event rate | and 95% CI | | |
| Breslin et al., 2020 Buonsenso et al., 2020 Cao et al., 2020 Chen et al., 2020 Chen et al., 2020 Chen et al., 2020 Gound et al., 2020 Gound et al., 2020 Gound et al., 2020 Hantoushzadeh et al., Hirshberg et al., 2020 Khan et al., 2020 Chan et al., 2020 Liu et al., 2020 Liu et al., 2020 Guincheng et al., 2020 Xu et al., 2020 Yu et al., 2020 Yu et al., 2020 Yu et al., 2020 Zeng et al., 2020 Zeng et al., 2020 Zhu et al., 2020 | 0,0 0,0 0,0 0,1 0,1 0,1 0,1 0,1 0,0 0,1 2020 0,5 0,3 0,1 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 | 67 0.01 42 0.00 50 0.00 83 0.00 00 0.00 67 0.01 48 0.01 67 0.01 100 0.20 000 0.05 000 0.05 000 0.05 29 0.00 242 0.00 000 0.05 23.00 0.00 23.00 0.01 23.00 0.01 23.00 0.01 24.00 0.00 25.00 0.00 26.00 0.01 27.00 0.00 28.3 0.000 29.4 0.000 20.00 0.01 21.00 0.02 22.00 0.000 23.00 0.000 20.00 0.01 20.00 0.01 21.00 0.000 22.00 | 0 0.806 3 0.425 3 0.475 5 0.622 6 0.674 0 0.806 2 0.171 0.800 0 0.806 3 0.846 7 0.734 9 0.941 2 0.336 3 0.846 3 0.425 7 0.734 4 0.6529 4 0.6529 4 0.539 4 0.539 4 0.539 4 0.539 4 0.539 4 0.539 4 0.539 5 0.622 5 0 | 2.519 -1.039 -2.170 -2.029 -3.029 -1.039 -1.961 -1.039 -1.961 -1.039 -1.961 -1.287 -2.690 -0.566 -2.436 -2.470 -1.287 -2.684 -2.470 -2.430 -2.436 -2.470 -2.436 -2.470 -2.436 -2.470 -2.4200 -2.4200 -2.40 | $\begin{smallmatrix} 0,012\\0,219\\0,230\\0,240\\0,105\\0,140\\0,200\\0,$ | -1,00 | | .50 uurs A | | | | |
| Model | Number | Effect : Point | size and 95 | % interval Upper | Test | of null (2-Tail) | | Heterogen | eity | т | Tau-square au Standard | ed |
| Model | Studies | estimate | limit | limit | Z-val | | Q-value | | alue I-squ | ared Squ | ared Error Va | riance Tau |
| Fixed Random | iatroa | 7 0,09 | 4 0,061 4 0,061 | 0,14 0,14 | | ,490 0,000 ,490 0,000 | 23,536 | 26 | 0,602 | 0,000 | 0,000 0,434 | 0,188 0,000 |
| D: Foetal d | istress | | | ot. d | | | | | Fuo-t: 1 | and OFF of | | |
| Study name | Event rate | Lower limit | Upper Upper | | p-Value | | | - | Event fate | and 95% CI | | |
| Buonsenso et al., 202 Cao et al., 2020 Chen et al., 2020 Koumoutsea et al., 2020 Li et al., 2020a Liu et al., 2020a Liu et al., 2020b Liu et al., 2020b Liu et al., 2020b Uu et al., 2020d Wu et al., 2020a Zeng et al., 2020b Zhu et al., 2020 | 0 0,500 0,182 0,222 0,500 | 0,059 0,046 0,059 0,059 0,031 0,003 0,002 0,043 0,100 0,017 0,004 0,297 | 0,941 0,507 0,941 0,386 0,425 0,298 0,846 0,624 0,524 0,186 0,842 0,333 | 0,000 -1,924 -1,562 0,000 -2,574 -2,170 -2,558 -0,566 -1,228 -1,828 -3,413 0,628 -4,591 | 1,000 1,004 0,054 0,118 1,000 1,000 0,010 0,010 0,011 0,220 0,069 0,001 0,571 0,220 0,069 0,001 | -1,00 | -0,3 Favot | | 0, | | 0,50 Favours B | 1,00 |
| Model | | Effect siz | e and 95% ir | iterval | Test of nu | ıll (2-Tail) | Hete | erogeneity | | | Tau-squared | |
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value df (Q) | P-value | l-squared | | tandard Error Variance | Tau |
| Fixed Random | 13 13 | 0,230 0,212 | 0,151 0,118 | 0,333 0,352 | -4,591 -3,662 | 0,000 0,000 | 20,125 1 | 12 0,065 | 40,373 | 0,629 | 0,653 0,427 | 0,793 |

E: Foetal asphyxia

| Study name | | Statistic | s for eac | ch study | | | - | Event rate and 95% | CI | |
|--|-------------------|--|---|---|--|-----------------------|-------------------------------------|---------------------------------|--------------------------------------|-------------------------------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | |
| Cao et al., 2020 | 0,042 | 0,003 | 0,425 | -2,170 | 0,030 | 1 | 1 | | I | 1 |
| Chen et al., 2020a | 0,050 | 0,003 | 0,475 | -2,029 | 0,042 | | | | | |
| Chen et al., 2020b | 0,007 | 0,000 | 0,103 | -3,487 | 0,000 | | | ⊢. | | |
| Liao et al., 2020 Liu et al., 2020a | 0,045 0,042 | 0,003 0,003 | 0,448 0,425 | -2,103 -2,170 | 0,035 0,030 | | | | | |
| Qiancheng et al., 2020 | 0,042 | 0.001 | 0,423 | -2,834 | 0,005 | | | <u> </u> | _ | |
| Nu et al., 2020b | 0,048 | 0,007 | 0,271 | -2,924 | 0,003 | | | | _ | |
| Ku et al., 2020 | 0,083 | 0,005 | 0,622 | -1,623 | 0,105 | | | | | |
| Zeng et al., 2020b | 0,061 | 0,015 | 0,212 | -3,757 | 0,000 | | | + | - | |
| Zhu et al., 2020 | 0,045 0,042 | 0,003 0,020 | 0,448 0,086 | -2,103 -8,078 | 0,035 0,000 | | | | | |
| | 0,042 | 0,020 | 0,080 | -0,070 | 0,000 | -1,00 | -0,50 | 0,00 | 0,50 | 1,00 |
| | | | | | | | Favours A | | Favours B | |
| Model | | Effec | size and | 95% interv | al | Test of null (2-Tail) | Heteroger | neity | T au-squared | |
| | | | | | | | | | | |
| Model | Number Studies | Point estimat | Lowe e limit | | | Z-value P-value | Q-value df (Q) P- | value I-squared | Tau Standard Squared Error Variar | nce Tau |
| Fixed | Studies | estimat | e limi 42 0 | t limi ,020 (| t 1,086 | -8,078 0,000 | Q-value df (Q) P- 2,623 9 | -value I-squared 0,977 0,000 | Squared Error Variar | n ce Tau ,549 0,000 |
| Fixed Random | Studies 1 1 | estimat 0 0,0 0 0,0 | e limi 42 0 42 0 | : limi ,020 (,020 (| t | | | | Squared Error Variar | |
| Fixed Bandom F: Newborn | Studies 1 1 | estimat 0 0,0 0 0,0 11SS10 | e limit 42 0 42 0 n to | : limi ,020 (,020 (| t 1,086 | -8,078 0,000 | | | Squared Error Variar | |
| Fixed Random F: Newborn | Studies | estimat 0 0,0 0 0,0 11SS10 <u>Statisti</u> Lower | e limit 42 0 42 0 n to <u>cs for ea</u> Upper | ,020 (,020 (1CU ch study | t ,086 ,086 | -8,078 0,000 | | 0,977 0,000 | Squared Error Variar | |
| Fixed Random F: Newborn Study name | studies | estimat 0 0,0 0 0,0 11SS10 Statisti Lower limit | e limit 42 0 42 0 11 to <u>cs for ea</u> Upper limit | t limi .020 (0 .020 (1 ICU ch study Z-Value | t 1,086 1,086 p-Value | -8,078 0,000 | | 0,977 0,000 | Squared Error Variar | |
| Model Random F: Newborn Study name_ Breslin et al., 2020 Chen et al., 2020 | Studies | estimat 0 0,0 0 0,0 11SS10 <u>Statisti</u> Lower | e limit 42 0 42 0 n to <u>cs for ea</u> Upper | t limi ,020 (0 ,020 (0 ICU <u>Ch study</u> Z-Value | t ,086 ,086 | -8,078 0,000 | | 0,977 0,000 | Squared Error Variar | |
| Fixed Random F: Newborn Study name Study name Steslin et al., 2020 Ferrazzia et al., 2020 | Studies | estimat 0 0,0 0 0,0 0,0 | e limit 42 0 42 0 n to <u>cs for ea</u> Upper limit 0,409 0,877 0,199 | t limit 020 (0 020 (0 ICU Ch study Z-Value -2,545 0,000 -4,281 | p-Value 0,086 0,086 0,011 1,000 0,000 | -8,078 0,000 | | 0,977 0,000 | Squared Error Variar | |
| Fixed Random F: Newborn Study name Breslin et al., 2020 Chen et al., 2020 Gidlof et al., 2020 Gidlof et al., 2020 | Studies | estimat 0 0,0 0 0,0 0,0 | e limit 42 0 42 0 n to <u>cs for ea</u> Upper limit 0,409 0,877 0,199 0,941 | t linit .020 (.020 | p-Value 0,086 0,086 0,011 1,000 0,000 1,000 | -8,078 0,000 | | 0,977 0,000 | Squared Error Variar | |
| Fixed Frandom Study name Breslin et al., 2020 Chen et al., 2020 Gren at al., 2020 Gidlof et al., 2020 Gidlof et al., 2020 | Studies | estimat 0 0.0 0 0.0 11SS10 Statisti Lower limit 0,055 0,123 0,025 0,059 0,056 | e limit 42 0 42 0 n to <u>cs for ea</u> Upper limit 0,409 0,877 0,199 0,941 0,579 | timi .020 (.020 (| p-Value 0,086 0,011 1,000 0,000 1,000 0,118 | -8,078 0,000 | | 0,977 0,000 | Squared Error Variar | |
| Fixed Bandom Study name Study name Study name St | Studies | estimat 0 0,0 0 0,0 0,0 | e limit 42 0 42 0 cs for ea Upper limit 0,409 0,877 0,199 0,941 0,579 0,846 | timi .020 (.020 (| p-Value 0,086 0,086 0,011 1,000 0,000 1,000 0,118 0,571 | -8,078 0,000 | | 0,977 0,000 | Squared Error Variar | |
| Fixed Random F: Newborn Study name Breslin et al., 2020 Chen et al., 2020 Gidlof et al., 2020 Gidlof et al., 2020 Sovind et al., 2020 Anan et al., 2020 Sovind et al., 2020 | Studies | estimat 0 0.0 0 0.0 11SS10 Statisti Lower limit 0,055 0,123 0,023 0,059 0,056 | e limit 42 0 42 0 n to <u>cs for ea</u> Upper limit 0,409 0,877 0,199 0,941 0,579 | timit .020 (0 .020 (0 .020) | p-Value 0,086 0,011 1,000 0,000 1,000 0,118 | -8,078 0,000 | | 0,977 0,000 | Squared Error Variar | |
| Fixed Frandom Study name Breslin et al., 2020 Chen et al., 2020 Ferrazzia et al., 2020 Gidlof et al., 2020 Sovind et al., 2020 Liu et al., 2020c | Studies | estimat 0 0,0 0 0,0 0 0,0 0 0,0 0,0 0,0 | e limit 42 0 42 0 n to 0,009 0,877 0,199 0,941 0,579 0,846 0,986 0,846 0,223 | 2.Value -2,545 0,000 -4,281 0,000 -1,562 -0,566 2,558 -0,566 -2,834 | p-Value 0,086 0,086 0,011 1,000 0,000 1,000 0,118 0,571 0,011 0,571 0,005 | -8,078 0,000 | | 0,977 0,000 | Squared Error Variar | |
| Fixed Random F: Newborn Study name Breslin et al., 2020 Chen et al., 2020d Ferrazzia et al., 2020d Gidlof et al., 2020 Govind et al., 2020a Liu et al., 2020b Liu et al., 2020b Liu et al., 2020b | Studies | estimat 0 0.0 0 0.0 11SSIO 11SSIO 11SSIO 11SSIO 11SSIO 0.023 0.055 0.123 0.023 0.059 0.056 0.043 0.059 0.059 0.059 0.059 0.059 0.059 0.059 0.059 0.059 0.023 0.059 0.059 0.059 0.059 0.059 0.059 0.059 0.059 0.059 0.059 0.059 0.053 0.059 0.053 0.059 0.053 0.023 0.059 0.053 0.023 0.023 0.059 0.053 0.024 0.024 0.025 0.023 0.024 0.025 0.023 0.023 0.023 0.023 0.023 0.024 0. | e limit 42 0 42 0 n to cs for eac Upper limit 0,409 0,877 0,199 0,941 0,579 0,846 0,998 0,846 0,223 0,928 | 2.545 .000 .000 .000 .000 .2.545 .0,000 .2.545 .0,000 .2.545 .0,000 .2.545 .0,000 .2.545 .0,000 .2.558 .0,566 .2.834 .0,566 .2.834 .0,956 | p-Value 0,086 0,086 0,011 1,000 0,000 1,000 0,011 0,011 0,011 0,005 0,273 | -8,078 0,000 | | 0,977 0,000 | Squared Error Variar | |
| Fixed Random F: Newborn Study name Breslin et al., 2020 Chen et al., 2020 Gidlof et al., 2020 Govind et al., 2020 Govind et al., 2020 Liu et al., 2020 Liu et al., 2020 Liu et al., 2020 Clancheng et al., 2020 | Studies | estimat 0 0,0 0 0,0 0 0,0 0 0,0 0,0 0,0 | e limit 42 0 42 0 n to 0,009 0,877 0,199 0,941 0,579 0,846 0,986 0,846 0,223 | 2.Value -2,545 0,000 -4,281 0,000 -1,562 -0,566 -2,588 -0,566 -2,583 -0,566 -2,834 1,095 -3,803 | p-Value 0,086 0,086 0,011 1,000 0,000 1,000 0,118 0,571 0,011 0,571 0,005 | -8,078 0,000 | | 0,977 0,000 | Squared Error Variar | |

| Model | | Effect siz | ze and 95% | interval | Test of nu | ll (2-Tail) | | Hetero | geneity | | | Tau-se | quared | |
|----------------|-------------------|-------------------|----------------|----------------|------------------|----------------|---------|--------|---------|-----------|----------------|-------------------|----------|-------|
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau |
| ïxed Random | 11 | | 0,141 0.128 | 0,313 0.515 | -4,993 -1,841 | 0,000 0.066 | 33,192 | 10 | 0,000 | 69,873 | 1,800 | 1,261 | 1,589 | 1,342 |

Favours A

Favours B

| 1 18410 15. | muu | unui | ysis | unu, | | is for meonatal acain | |
|-------------|---------------|----------------|----------------|----------|---------|-----------------------|--|
| Study name | | Statisti | cs for ea | ch study | _ | Event rate and 95% CI | |
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | |

| | Event | Lower | Upper | Z-Value | p-Value | | | | | |
|----------------------------|-------|-------|-------|---------|---------|-------|-----------|---------------------------------------|-----------|------|
| Cao et al., 2020 | 0,042 | 0,003 | 0,425 | | 0,030 | 1 | 1 | L. | I | 1 |
| Chen et al., 2020a | 0.050 | 0.003 | 0.475 | | 0.042 | | | | | |
| Chen et al., 2020b | 0.007 | 0,000 | 0,103 | | 0.000 | | | <u> </u> | | |
| Hantoushzadeh et al., 2020 | 0,222 | 0,056 | 0,579 | | 0,118 | | | · · · · · | | |
| Khan et al., 2020a | 0,125 | 0.007 | 0.734 | | 0,198 | | | ' | | |
| Khan et al., 2020b | 0.028 | 0.002 | 0.322 | | 0.013 | | | · · | _ | |
| Liu et al., 2020a | 0,042 | 0,003 | 0,425 | | 0,030 | | | <u> </u> | | |
| Liu et al., 2020d | 0,100 | 0.014 | 0.467 | -2,084 | 0,037 | | | | | |
| Qiancheng et al., 2020 | 0.017 | 0.001 | 0.223 | | 0.005 | | | <u> </u> | | |
| Xu et al., 2020 | 0,083 | 0,005 | 0,622 | -1,623 | 0,105 | | | · · · · · · · · · · · · · · · · · · · | | |
| Zeng et al., 2020b | 0,015 | 0.001 | 0,196 | -2,951 | 0,003 | | | | | |
| Zhu et al., 2020 | 0,100 | 0,014 | 0,467 | -2,084 | 0,037 | | | | | |
| | 0,064 | 0,033 | 0,122 | -7,411 | 0,000 | | | • | | |
| | | | | | | -1,00 | -0,50 | 0,00 | 0,50 | 1,00 |
| | | | | | | | | | | |
| | | | | | | | Favours A | | Favours B | |

| Model | | Effect siz | e and 95% | interval | Test of nu | ll (2-Tail) | | Hetero | geneity | | | Tau-so | quared | | |
|-----------------|-------------------|-------------------|----------------|----------------|------------------|----------------|---------|--------|-----------|-----------|----------------|-------------------|----------|-------|--|
| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value I | l-squared | Tau Squared | Standard Error | Variance | Tau | |
| Fixed Random | 12 12 | | 0,033 0,033 | 0,122 0,122 | -7,411 -7,411 | 0,000 0,000 | 9,079 | 11 | 0,615 | 0,000 | 0,000 | 0,684 | 0,468 | 0,000 | |

Figure 14. Meta-analysis and forest plots for intrauterine death

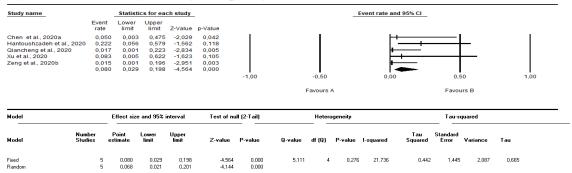
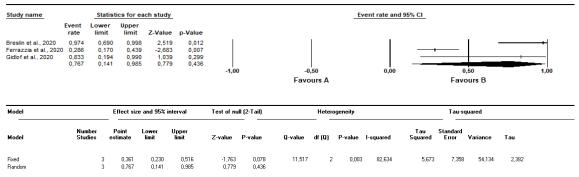


Figure 15. Meta-analysis and forest plots for feeding and care of new-borns

A: Breastfeeding

| Study name | _ | tatieties - | or or oh | turdu | | | | Event | and DEV. CI | | |
|---|---|--|---|---|--|----------------|-------------------------|-----------------|------------------|--------------------------------|---|
| | | | for each st | tuay | | | | Event rate | and 95% CI | | |
| Breslin et al., 2020 r Buonsenso et al., 2020 0 Chen et al., 2020c 0 Fan et al., 2020 0 Gidlof et al., 2020 0 Govind et al., 2020 0 Kournoutsea et al., 2020 0 Kournoutsea et al., 2020 0 | rate 0,974 0,500 0,083 0,167 0,262 0,833 0,050 0,500 0,500 0,125 | limit i 0,690 (0,059 (0,005 (0,010 (0,151 (0,0194 (0,003 (0,059 (0,059 (0,007 (| imit Z-V 0,998 2 0,941 0 0,622 -1 0,806 -1 0,414 -2 0,990 1 0,475 -2 0,941 0 0,941 0 0,734 -1 | 2,519 0 0,000 1 1,623 0 2,952 0 1,039 0 2,952 0 2,029 0 0,000 1 1,287 0 | /alue),012 1,000),105),299),003),299),029 0,042 1,000),198),338 | -1,00 | -0,50 Favours A | 0, | | 0,50 Favours B | 1,00 |
| Model | Ef | fect size an | ıd 95% inter | val | Test of nu | ıll (2-Tail) | Heterogene | eity | | Tau-squared | |
| Numb Model Studie | er Po es esti | | wer Up mit lin | per nit | Z-value | P-value | Q-value df (Q) P-v | value I-squared | Tau Squared | Standard Error Variance Tau | |
| Fixed Random | 9 9 | | | 0,431 0,646 | -2,911 -0,958 | 0,004 0,338 | 17,160 8 | 0,028 53,379 | 1,506 | 1,614 2,605 1,227 | |
| B: Formula | | | | | | | | | | | |
| | ent Lo | wer Up | per | | | | | Event rate a | nd 95% Cl | | |
| ra Buonsenso et al., 2020 0 Chen et al., 2020d 0 Gidlof et al., 2020 0 | ate li ,833 0 ,900 0 ,833 0 | mit lin 0,194 0, 0,326 0, 0,194 0, | mit Z-Va ,990 1,1 ,994 1,- ,990 1,1 | 039 0, 474 0, 039 0, | alue 299 140 299 040 | -1,00 | -0,50 Favours A | 0,0 | 0 | 0,50 1 | 00 |
| Model | Fff | ect size and | d 95% interv | ral | Test of nul | l (2-Tail) | Heterogeneit | | | Tau-squared | |
| | | | | | reat of hu | | | y | | · · · | |
| Numbe Model Studie | er Po s estin | int Low nate lim | ver Upp nit lim | it | Z-value | P-value | Q-value df(Q) P-va | lue I-squared | Tau S Squared | tandard Error Variance Tau | |
| Fixed Random | | | | 0,972 0,972 | 2,057 2,057 | 0,040 0,040 | 0,101 2 (| 0,951 0,000 | 0,000 | 2,339 5,472 0,000 | |
| C: Isolated sep | oarat | e froi | m mo | other | | | | | | | |
| Study name Event | Statisti Lower | cs for eac | h study | | | | | Event rate and | 95% CI | | |
| rate Buonsenso et al., 2020 0,833 | limit 0,194 | limit 2 0,990 0,994 | 1,039 1,474 | p-Value 0,299 0.140 | | | | I | | | - |
| Chen et al. 2020d 0,900 Fan et al. 2020 0,833 Govind et al. 2020 0,833 Govind et al. 2020 0,853 Khan et al. 2020 0,833 Khan et al. 2020a 0,867 Lie at al. 2020a 0,875 Lie et al. 2020b 0,975 Lie et al. 2020b 0,975 Lie et al. 2020b 0,975 Xu et al. 2020 0,917 Yang et al. 2020b 0,917 | 0,326 0,194 0,525 0,194 0,266 0,461 0,702 0,043 0,378 0,713 0,378 0,423 0,776 | 0,990 0,997 0,990 0,957 0,993 0,996 0,998 0,846 0,995 0,995 0,995 0,995 0,996 0,940 | 1,039 2,029 1,039 0,566 1,287 1,854 2,558 -0,566 1,623 2,594 1,623 1,748 5,191 | 0,299 0,042 0,299 0,571 0,198 0,064 0,011 0,571 0,105 0,009 0,105 0,081 0,000 | -1,00 | | -0,50 Favours A | 0,00 | | 0,50 Favours B | - - - - ,00 |
| Chen et al. 2020d 0,900 Fan et al. 2020 0,833 Govind et al. 2020 0,833 Govind et al. 2020 0,853 Ususela et al. 2020a 0,857 Lie et al. 2020a 0,875 Lie et al. 2020a 0,875 Lie et al. 2020b 0,975 Yang et al. 2020 0,976 Yang et al. 2020a 0,977 Yang et al. 2020a 0,977 Yang et al. 2020a 0,928 0,880 | 0,194 0,525 0,194 0,154 0,266 0,461 0,702 0,043 0,378 0,773 0,378 0,423 0,776 | 0,997 0,990 0,957 0,993 0,996 0,998 0,846 0,999 0,995 0,999 0,995 0,995 0,996 0,940 | 2,029 1,039 0,566 1,287 1,854 2,558 -0,566 1,623 2,594 1,623 1,748 | 0,042 0,299 0,571 0,198 0,064 0,011 0,571 0,105 0,009 0,105 0,081 0,000 | -1,00 Test of nu | | | | | | - - - - ,00 |
| Chen et al. 2020 0,900 Fan et al. 2020 0,833 Govind et al. 2020 0,833 Govind et al. 2020 0,853 Ususela et al. 2020 0,853 Lie al. 2020a 0,875 Lie at al. 2020a 0,938 Usu et al. 2020b 0,975 Usu et al. 2020b 0,975 Usu et al. 2020b 0,975 Yang et al. 2020a 0,976 Yang et al. 2020a 0,976 Yang et al. 2020a 0,976 Yang et al. 2020a 0,978 | 0,194 0,295 0,194 0,266 0,461 0,702 0,043 0,378 0,773 0,378 0,776 Ef | 0,997 0,997 0,957 0,993 0,998 0,998 0,998 0,998 0,998 0,995 0,995 0,995 0,995 0,995 0,995 0,995 | 2,029 1,039 0,566 1,287 1,854 2,558 -0,566 1,623 2,594 1,623 2,594 1,623 2,594 | 0.042 0.299 0.571 0.198 0.064 0.011 0.011 0.011 0.011 0.005 0.005 0.005 0.081 0.000 val | | | Favours A Heterogene | | Tau | Favours B | - - - - - - - - - - - |

D: Isolated with mother



| Figure 16. Meta-analysis and forest plots for COVID-19 Test outcomes of new-borns at the |
|--|
| first 24 hours |

| A: RT-PC | | | size and 9 | 95% interv | al | Test of nu | ull (2-Tail) | | Heter | ogeneity | | | Tau-s | quared | | |
|---|-------------------|-------------------|----------------|-------------------|------------------|------------|--------------|---------|--------|----------|-------------|----------------|-------------------|----------|-------|-------|
| lodel | Number Studies | Point estimate | Lowe limit | | er t | Z-value | P-value | Q-value | df (Q) | P-value | l-squared | Tau Squared | Standard Error | Variance | Tau | |
| ixed | | 26 0,078 | | | U117 | -10,581 | 0,000 | 5,647 | 25 | 1,000 | 0,000 | 0,000 | 0,417 | 0,174 | 0,000 | |
| landom | - | 26 0,078 | 3 0,0 | 050 0 | 1,117 | -10,581 | 0,000 | | | | | | | | | |
| Study name | | Statistic | s for eac | ch study | | | | | | E | vent rate | and 95% CI | | | | |
| | Event | Lower I | Upper | | | | | | | _ | | | | | | |
| Breslin et al., 2020 | rate 0.026 | limit 0.002 | limit 0,310 | Z-Value -2,519 | p-Value 0.012 | | 1 | | | | | | | | | |
| Buonsenso et al., 2020 | 0,028 | 0,010 | 0,806 | -1,039 | 0,299 | | | | | | | · · · | _ | | | |
| Cao et al., 2020 | 0,083 | 0,005 | 0,622 | -1,623 | 0,105 | 5 | | | | | | | | <u> </u> | | |
| Chen et al., 2020a Chen et al., 2020b | 0,071 0,056 | 0,004 | 0,577 | -1,748 -1,947 | 0,081 | | | | | | | | | - | | |
| Chen et al., 20206 | 0,056 | 0,003 | 0,622 | -1,947 | 0,052 | | | | | | | | | | | |
| Fan et al., 2020 | 0,167 | 0,010 | 0,806 | -1,039 | 0,299 | | | | | | | | | | | |
| Ferrazzia et al., 2020 | 0,071 | 0,023 | 0,199 | -4,281 | 0,000 | | | | | | | <u> </u> | | | | |
| Gidlof et al., 2020 Govind et al., 2020 | 0,167 | 0,010 0.015 | 0,806 | -1,039 | 0,299 | | | | | | | | | | | |
| Hantoushzadeh et al., 2 | | 0,004 | 0,577 | -1,748 | 0,081 | | | | | | | | | | | |
| Hirshberg et al., 2020 | 0,125 | 0,007 | 0,734 | -1,287 | 0,198 | 3 | | | | | | | | - | _ | |
| Khan et al., 2020a Khan et al., 2020b | 0,125 | 0,007 | 0,734 | -1,287 -2,677 | 0,198 | 3 | | | | | | | | | | |
| Liao et al., 20200 | 0,118 | 0,030 | 0,368 | -2,677 | 0,007 | | | | | | | | | _ | | |
| Liu et al., 2020b | 0,025 | 0,002 | 0,298 | -2,558 | 0,011 | | | | | | | | - | | | |
| Liu et al., 2020c | 0,125 | 0,007 | 0,734 | -1,287 | 0,198 | | | | | | | | | - | | |
| Liu et al., 2020d Qiancheng et al., 2020 | 0,045 0,017 | 0,003 | 0,448 | -2,103 -2,834 | 0,035 | | | | | | | | | | | |
| Wu et al., 2020b | 0,100 | 0,006 | 0,674 | -1,474 | 0,140 | | | | | | | · , | | | | |
| Xu et al., 2020 | 0,083 | 0,005 | 0,622 | -1,623 | 0,105 | | | | | | | | | | | |
| Yang et al., 2020a Yang et al., 2020b | 0,024 | 0,001 | 0,287 | -2,594 -1,623 | 0,009 | | | | | | | · . | - | | | |
| Zeng et al., 2020a | 0.071 | 0.004 | 0.577 | -1,748 | 0.081 | | | | | | | | | | | |
| Zeng et al., 2020b | 0,091 | 0,030 | 0,247 | -3,803 | 0,000 |) | | | | | | | | | | |
| Zhu et al., 2020 | 0,045 | 0,003 | 0,448 | -2,103 | 0,035 | | | | | | | - | | | | |
| | 0,078 | 0,050 | 0,117 | -10,581 | 0,000 | | ,00 | | -0.50 | | 0,0 | | | 0,50 | | 1,00 |
| | | | | | | - | ,00 | | ours A | | 0,0 | | | ours B | | 1,00 |
| | | | | | | | | | | | | | | | | |
| B: IgG (+) | | | | | | | | | | | | | | | | |
| Study name | Event L | | per | | | | | | | E | vent rate a | ind 95% CI | | | | |
| | | | | | -Value | | | | | | | | | | | |
| Buonsenso et al., 2020 | | | | -1,039 | 0,299 | | | | 1 | | ŀ | | | 1 | | |
| | 0,333 | | | -0,800 | 0,423 | | | | | | | | | | | |
| Zeng et al., 2020a | 0,287 | 0,084 0 | 0,639 | -1,206 | 0,228 | | • | | 0,50 | | 0.0 | | | 0,50 | | 4 000 |
| Zeng et al., 2020a | | | | | | -1,0 | 0 | | | | 0,0 | 0 | | | | 1,00 |
| zeng et al., 2020a | | | | | | | | Fave | ours A | | | | | ours B | | |
| zeng et al., 2020a | | | | | | | | | | | | | | ours D | | |
| Model | | | | 95% interv | | | ull (2-Tail) | | | ogeneity | | | | quared | | |

| Model | Number Studies | Point estimate | Lower limit | Upper limit | Z-value | P-value | Q-value | df (Q) | P-value | I-squared | Tau Squared | Standard Error | Variance | Tau |
|------------|-------------------|-------------------|----------------|----------------|---------|---------|---------|--------|---------|-----------|----------------|-------------------|----------|-------|
| Fixed | 2 | 0,287 | 0,084 | 0,639 | -1,206 | 0,228 | 0,267 | 1 | 0,606 | 0,000 | 0,000 | 2,227 | 4,961 | 0,000 |
| Random | 2 | 0,287 | 0,084 | 0,639 | -1,206 | 0,228 | | | | | | | | |
| C: IgM (+) | | | | | | | | | | | | | | |

| Study name | | Sta | tistics for | each stud | <u> </u> | | | | E | vent rate and | 95% CI | | | | |
|---|---------------|-----|--|--------------|--------------------------|-----------------------|----------------------------|------------------------|-----------|---------------|----------------|-----------------------------|--------------------|-----|------|
| | Event rate | Low | | | e p-Value | | | | | | | | | | |
| Buonsenso et al., Zeng et al., 2020a | | 0, | 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 | 32 -0,80 | 0 0,423 | -1,0 | 0 | -0,50 Favours A | | 0,00 | | | 0,50 ours B | | 1,00 |
| | | | | | | | | | | | | | | | |
| Model | | | Effect siz | e and 95% ir | terval | Test of nu | ull (2-Tail) | Hete | rogeneity | | | Tau-se | quared | | |
| Model Model | Numl Studi | | Effect siz Point estimate | | terval Upper limit | Test of nu Z-value | ll (2-Tail) P-value | Hete Q-value df (Q) | | l-squared | Tau Squared | Tau-se Standard Error | quared Variance | Tau | |

Figure 17. Meta-analysis and forest plots for COVID-19 Test outcomes of new-borns at the 2nd-14th day

A: RT-PCR (+)

| Study name | | Statisti | cs for ea | ich study | | | | | _ | Event rate an | d 95% CI | | | | |
|--|---|--|---|---|--|--|--------------|--------------------------|------------|-------------------------------------|----------------|--|------------|-------|-------------|
| | Event rate | Lower limit | Upper limit | Z-Value | p-Value | | | | | | | | | | |
| Buonsenso et al., 2020 Cao et al., 2020 Chen et al., 2020d Gidlof et al., 2020d Liet al., 2020a Liao et al., 2020 Qiancheng et al., 2020 | 0,042 0,125 0,167 0,125 0,063 0,017 | 0,059 0,003 0,007 0,010 0,007 0,004 0,001 | 0,941 0,425 0,734 0,806 0,734 0,539 0,539 | 0,000 -2,170 -1,287 -1,039 -1,287 -1,854 -2,834 | 1,000 0,030 0,198 0,299 0,198 0,064 0,005 | | | | | + | | | | _ | - |
| Yang et al., 2020b | 0,083 0,097 | 0,005 0,037 | 0,622 0,230 | -1,623 -4,285 | 0,105 0,000 | -1,0 | 0 | -0,50 Favours | | 0,00 | - | 0,50 Favours | s B | | 1,00 |
| Model | | Eff | ect size a | nd 95% inte | rval | Test of n | ull (2-Tail) | He | erogeneity | | | T au-squar | red | | |
| Model | Numb Studie | | | | oper mit | Z-value | P-value | Q-value df (G |) P-value | l-squared | Tau Squared | Standard Error Va | niance | Tau | |
| | | | | | | | | | | | | | | | |
| B: Abnorn | nal c | chest | | - | | -4,285 -4,285 | | 4,846 | 7 0,6 | | 0,000 | 1,160 | 1,345 | 0,000 | |
| B: Abnorn | | chest statis | 0,097 X-ra | 0,037 ty/CT | 0,230 | | | 4,846 | 7 0,6 | ⁷⁹ 0,000 Event rate a | | 1,160 | 1,345 | 0,000 | |
| Fixed Random B: Abnorn Study name Chen et al., 2020d Fan et al., 2020 Liao et al., 2020 Liu et al., 2020b Zhu et al., 2020 | Event rate 0,250 0,500 0,143 0,118 0,700 0,311 | chest | 0,097 X-ra | 0.037 ach study Z-Valu 2 -0,95 1 0,00 1 -1,65 8 -2,67 0 1,22 | 0,230 p-Valu 1 0,34 0 1,00 9 0,09 7 0,00 8 0,22 | -4,285 e 1 0 7 7 7 0 1 | | 4,846 -0,50 Favour | | | | 1,160 | 0 | 0,000 | - |
| Random B: Abnorn Study name Chen et al., 2020d Fan et al., 2020 Liao et al., 2020b Liao et al., 2020b | Event rate 0,250 0,500 0,143 0,118 0,700 | * <u>Statis</u> Lower limit 0,034 0,039 0,020 0,030 0,376 | 0.097 X-12 tics for e Upper limit 0,762 0,94 0,58 0,364 0,900 | 0.037 ach study 2 -0.95 1 0.00 1 -1.65 8 -2.67 0 1.22 | 0,230 p-Valu 1 0,34 0 1,00 9 0,09 7 0,00 8 0,22 | -4,285 e 1 0 7 7 7 0 1 | 0,000 | -0,50 | | Event rate a | | | 0 | 0,000 | - |
| Random B: Abnorn Study name Chen et al., 2020 an et al., 2020 Liu et al., 2020 Liu et al., 2020 Zhu et al., 2020 Chu et al., 2020 | Event rate 0,250 0,500 0,143 0,118 0,700 | 8 <u>Statis</u> Lower limit 0,034 0,059 0,020 0,030 0,376 0,109 | 0.097 X-ra Upper limit 0,76; 0,94 0,38; 0,36; 0,36; 0,90(0,62; | 0.037 ach study 2 -0.95 1 0.00 1 -1.65 8 -2.67 0 1.22 | 0.230 p-Valu 1 0.34 0 1,00 9 0,00 7 0,00 8 0,22 9 0,23 | -4,285 e 1 0 7 7 7 0 1 | 0,000 | -0,50 Favour | | Event rate a | | | 0 Irs B | 0,000 | - 1,00 |
| Random B: Abnorn Study name Chen et al., 2020d Fan et al., 2020 Liao et al., 2020 Liu et al., 2020b | Event rate 0,250 0,500 0,143 0,118 0,700 | 8 Statis Lower limit 0,034 0,059 0,020 0,030 0,376 0,109 | 0.097 X-fa tics for e Upper limit 0,76: 0,94: 0,58: 0,96: 0,90: 0,62: ect size ar nt Lo | 0,037 y/CT each study Z-Valu 2 -0,95 1 0,00 1 -1,65 8 -2,67 0 1,22 4 -1,15 nd 95% inter www Up | 0.230 p-Valu 1 0.34 0 1,00 9 0,00 7 0,00 8 0,22 9 0,23 | -4,285 e .1 0 7 7 0 1 1 - | 0,000 | -0,50 Favour | s A | Event rate a | | 0,5 Favou Tau-squard Standard | 0 Irs B | 0,000 | - 1,00 |

© 2022 Karaçam Z. et al.