| Study or Subgroup           | log(Odds Ratio) | SE    | Weight | Odds Ratio  | Odds Ratio  |
|----------------------------|-----------------|-------|--------|-------------|-------------|
|                            |                 |       |        | IV, Fixed, 95% CI | IV, Fixed, 95% CI |
| Kantor 2017                | 0.43825493      | 0.20468022 | 4.1%  | 1.55 [1.04, 2.32] |             |
| Nishida 2016               | 0.65544531      | 0.46470189 | 0.8%  | 1.93 [0.77, 4.79] |             |
| Ohgi 2020                  | 1.30019166      | 0.37517811 | 1.2%  | 3.67 [1.76, 7.66] |             |
| Yamashita 2016             | 3.04927304      | 1.10838956 | 0.1%  | 21.10 [2.40, 185.24] |             |
| Zarzavadjan Le Bian 2019   | 0.09712671      | 0.0434676  | 91.8% | 1.10 [1.01, 1.20]  |             |
| Zou 2020                   | 0.76453718      | 0.306442  | 1.6%  | 2.15 [1.18, 3.92]  |             |
| Total (95% CI)             |                 |       | 100.0% | 1.16 [1.07, 1.26] |             |

Heterogeneity: Chi² = 24.90, df = 5 (P = 0.0001); I² = 80%
Test for overall effect: Z = 3.53 (P = 0.0004)
| Study or Subgroup               | log(Odds Ratio) | SE   | Weight | Odds Ratio IV, Fixed, 95% CI | Odds Ratio IV, Fixed, 95% CI |
|--------------------------------|----------------|------|--------|----------------------------|----------------------------|
| Kantor 2017                    | 0.43825493     | 0.20468022 | 4.1%  | 1.55 [1.04, 2.32]            |                             |
| Nishida 2016                   | 0.65544531     | 0.46470189  | 0.8%  | 1.93 [0.77, 4.79]            |                             |
| Ohgi 2020                      | 1.30019166     | 0.37517811  | 1.2%  | 3.67 [1.76, 7.66]            |                             |
| Yamashita 2016                 | 3.04927304     | 1.10838956  | 0.1%  | 21.10 [2.40, 185.24]         |                             |
| Zarzavadjian Le Bian 2019      | 0.09712671     | 0.0434676   | 91.8% | 1.10 [1.01, 1.20]            |                             |
| Zou 2020                       | 0.76453718     | 0.306442    | 1.8%  | 2.15 [1.18, 3.92]            |                             |
| **Total (95% CI)**             |                | 100.0%      |        | 1.16 [1.07, 1.26]            |                             |

Heterogeneity: Chi² = 24.90, df = 5 (P = 0.0001); I² = 80%
Test for overall effect: Z = 3.53 (P = 0.0004)

Favours [BMI > 25 Kg/m²]   Favours [BMI ≤ 25 Kg/m²]
| Study or Subgroup | log(Odds Ratio) | SE   | Weight | Odds Ratio    | Odds Ratio |
|-------------------|----------------|------|--------|---------------|------------|
|                   |                |      |        | IV, Fixed, 95% CI | IV, Fixed, 95% CI |
| Bardol 2020       | 3.41124672     | 0.99485904 | 0.8%  | 30.30 [4.31, 212.97] |           |
| Chen 2015         | 1.5040774      | 0.29304059  | 9.0%  | 4.50 [2.53, 7.99]   |           |
| Huang 2020        | 0.87129337     | 0.60722114  | 2.1%  | 2.39 [0.73, 7.86]   |           |
| Kanda 2014        | 1.6524974      | 0.47106319  | 3.5%  | 5.22 [2.07, 13.14]  |           |
| Kang 2019         | 0.62003871     | 0.19690055  | 19.9% | 1.86 [1.26, 2.73]   |           |
| Kawai 2011        | 0.99325177     | 0.29672215  | 8.8%  | 2.70 [1.51, 4.83]   |           |
| Ke 2018           | 1.66297868     | 0.43586419  | 4.1%  | 5.28 [2.24, 12.39]  |           |
| Li 2019           | 1.38629436     | 0.47354541  | 3.4%  | 4.00 [1.58, 10.12]  |           |
| Maleo 2013        | 0.78390154     | 0.28274706  | 9.7%  | 2.19 [1.26, 3.81]   |           |
| Nagai 2015        | 1.1055879      | 0.48743698  | 3.2%  | 3.02 [1.16, 7.85]   |           |
| Nakamura 2020     | 2.17588744     | 0.67601694  | 1.7%  | 8.81 [2.34, 33.14]  |           |
| Nishida 2016      | 2.76952152     | 0.79239451  | 1.2%  | 15.95 [3.38, 75.38] |           |
| Ohgi 2020         | 0.62593843     | 0.38240155  | 5.3%  | 1.87 [0.88, 3.96]   |           |
| Pratt 2008        | 1.18784342     | 0.56596924  | 2.4%  | 3.28 [1.08, 9.95]   |           |
| Tabchouri 2020    | 1.68026909     | 0.20842621  | 17.8% | 5.37 [3.57, 8.08]   |           |
| Xia 2018          | 0.73716407     | 0.32805399  | 7.2%  | 2.09 [1.10, 3.98]   |           |

Total (95% CI): 100.00% 3.19 [2.68, 3.79]

Heterogeneity: Chi² = 35.23, df = 15 (P = 0.002); I² = 57%
Test for overall effect: Z = 13.19 (P < 0.00001)
| Study or Subgroup | log(Odds Ratio) | SE  | Weight | Odds Ratio IV, Fixed, 95% CI | Odds Ratio IV, Fixed, 95% CI |
|-------------------|----------------|-----|--------|-----------------------------|-----------------------------|
| Bardol 2020       | 3.41124672     | 0.99485904 | 0.8%  | 30.30 [4.31, 212.97]        |                             |
| Chen 2015         | 1.5040774      | 0.29304059 | 9.0%  | 4.50 [2.53, 7.99]           |                             |
| Huang 2020        | 0.87129337     | 0.60722114 | 2.1%  | 2.39 [0.73, 7.86]           |                             |
| Kanda 2014        | 1.6524974      | 0.47106319 | 3.5%  | 5.22 [2.07, 13.14]          |                             |
| Kang 2019         | 0.62003871     | 0.19690055 | 19.9% | 1.86 [1.26, 2.73]           |                             |
| Kawai 2011        | 0.99325177     | 0.29672215 | 8.8%  | 2.70 [1.51, 4.83]           |                             |
| Ke 2018           | 1.66297868     | 0.43586419 | 4.1%  | 5.28 [2.24, 12.39]          |                             |
| Li 2019           | 1.38629436     | 0.47354541 | 3.4%  | 4.00 [1.58, 10.12]          |                             |
| Maleo 2013        | 0.78390154     | 0.28274706 | 9.7%  | 2.19 [1.26, 3.81]           |                             |
| Nagai 2015        | 1.1055879      | 0.48743698 | 3.2%  | 3.02 [1.16, 7.85]           |                             |
| Nakamura 2020     | 2.17588744     | 0.67601694 | 1.7%  | 8.81 [2.34, 33.14]          |                             |
| Nishida 2016      | 2.76952152     | 0.79239451 | 1.2%  | 15.95 [3.38, 75.38]         |                             |
| Ohgi 2020         | 0.62593843     | 0.38240155 | 5.3%  | 1.87 [0.88, 3.96]           |                             |
| Pratt 2008        | 1.18784342     | 0.56596924 | 2.4%  | 3.28 [1.08, 9.95]           |                             |
| Tabchouri 2020    | 1.68026909     | 0.20842621 | 17.8% | 5.37 [3.57, 8.08]           |                             |
| Xia 2018          | 0.73716407     | 0.32805399 | 7.2%  | 2.09 [1.10, 3.98]           |                             |

Total (95% CI) 100.0% 3.19 [2.68, 3.79]

Heterogeneity: Chi² = 35.23, df = 15 (P = 0.002); I² = 57%
Test for overall effect: Z = 13.19 (P < 0.00001)
| Study or Subgroup   | log(Odds Ratio) | SE   | Weight | Odds Ratio IV, Fixed, 95% CI |
|--------------------|-----------------|------|--------|-----------------------------|
| Kang 2019          | 0.11689375      | 0.19654879 | 48.1%  | 1.12 [0.76, 1.65]            |
| Ke 2018            | -1.10262031     | 0.46772533 | 8.5%   | 0.33 [0.13, 0.83]            |
| Malleo 2013        | -0.63487827     | 0.37317205 | 13.4%  | 0.53 [0.26, 1.10]            |
| Williamsson 2020   | -0.65392647     | 0.26324513 | 26.8%  | 0.52 [0.31, 0.87]            |
| Yamashita 2016     | 0.26236426      | 0.76640715 | 3.2%   | 1.30 [0.29, 5.84]            |

Total (95% CI) 100.0% 0.75 [0.57, 0.98]

Heterogeneity: Chi² = 10.59, df = 4 (P = 0.03); I² = 62%
Test for overall effect: Z = 2.12 (P = 0.03)
| Study or Subgroup  | log(Odds Ratio) | SE    | Weight | IV, Fixed, 95% CI | Odds Ratio 1V, Fixed, 95% CI |
|-------------------|----------------|-------|--------|-------------------|----------------------------|
| Kang 2019         | 0.11689375     | 0.19654879 | 48.1%  | 1.12 [0.76, 1.65] |                             |
| Ke 2018           | -1.10262031     | 0.46772533  | 8.5%   | 0.33 [0.13, 0.83] |                             |
| Mallo 2013        | -0.63487827    | 0.37317205  | 13.4%  | 0.53 [0.26, 1.10] |                             |
| Williamsson 2020  | -0.65392647    | 0.26324513  | 26.8%  | 0.52 [0.31, 0.87] |                             |
| Yamashita 2016    | 0.26236426      | 0.76640715  | 3.2%   | 1.30 [0.29, 5.84] |                             |

Total (95% CI) 100.0% 0.75 [0.57, 0.98]

Heterogeneity: Chi² = 10.59, df = 4 (P = 0.03); I² = 62%
Test for overall effect: Z = 2.12 (P = 0.03)
| Study or Subgroup   | log(Odds Ratio) | SE   | Weight | IV, Fixed, 95% CI | Odds Ratio IV, Fixed, 95% CI |
|---------------------|----------------|------|--------|-------------------|-----------------------------|
| Kang 2019           | 0.11689375     | 0.19654879 | 0.0%   | 1.12 [0.76, 1.65] |                             |
| Ke 2018             | -1.10262031     | 0.46772533  | 16.4%  | 0.33 [0.13, 0.83] |                             |
| Malleo 2013         | -0.63487827     | 0.37317205  | 25.8%  | 0.53 [0.26, 1.10] |                             |
| Williamsson 2020    | -0.65392647     | 0.26324513  | 51.7%  | 0.52 [0.31, 0.87] |                             |
| Yamashita 2016      | 0.26236426      | 0.76640715  | 6.1%   | 1.30 [0.29, 5.84] |                             |
| **Total (95% CI)**  |                |       | 100.0% | 0.51 [0.35, 0.74] |                             |

Heterogeneity: Chi² = 2.35, df = 3 (P = 0.50); I² = 0%
Test for overall effect: Z = 3.52 (P = 0.0004)
| Study or Subgroup      | log(Odds Ratio) | SE       | Weight | IV, Fixed, 95% CI   |
|-----------------------|-----------------|----------|--------|---------------------|
| Kang 2019             | 0.11689375      | 0.19654879 | 0.0%   | 1.12 [0.76, 1.65]   |
| Ke 2018               | -1.10262031     | 0.46772533 | 16.4%  | 0.33 [0.13, 0.83]   |
| Malleo 2013           | -0.83487827     | 0.37317205 | 25.8%  | 0.53 [0.26, 1.10]   |
| Williamson 2020       | -0.65392647     | 0.26324513 | 51.7%  | 0.52 [0.31, 0.87]   |
| Yamashita 2016        | 0.26236426      | 0.76640715 | 6.1%   | 1.30 [0.29, 5.84]   |
| **Total (95% CI)**    |                 |          | 100.0% | 0.51 [0.35, 0.74]   |

Heterogeneity: Chi² = 2.35, df = 3 (P = 0.50); I² = 0%
Test for overall effect: Z = 3.52 (P = 0.0004)