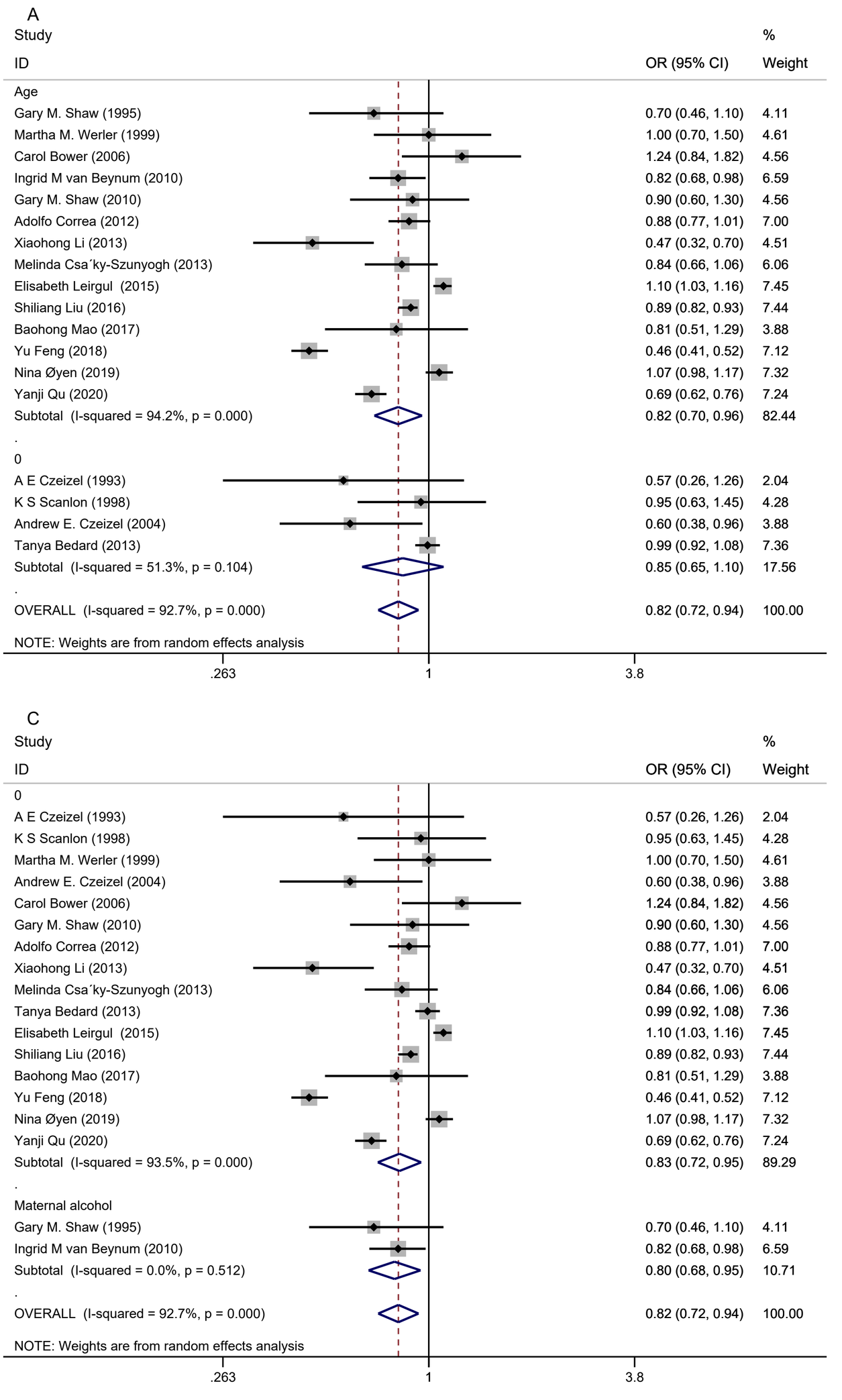
A
Study
ID
OR (95% CI)
%
Weight
Age
Gary M. Shaw (1995) 0.70 (0.46, 1.10) 4.11
Martha M. Werler (1999) 1.00 (0.70, 1.50) 4.61
Carol Bower (2006) 1.24 (0.84, 1.82) 4.56
Ingrid M van Beynum (2010) 0.82 (0.68, 0.98) 6.59
Gary M. Shaw (2010) 0.90 (0.60, 1.30) 4.56
Adolfo Correa (2012) 0.88 (0.77, 1.01) 7.00
Xiaohong Li (2013) 0.47 (0.32, 0.70) 4.51
Melinda Csa´ky-Szunyogh (2013) 0.84 (0.66, 1.06) 6.06
Elisabeth Leirgul (2015) 1.10 (1.03, 1.16) 7.45
Shiliang Liu (2016) 0.89 (0.82, 0.93) 7.44
Baohong Mao (2017) 0.81 (0.51, 1.29) 3.88
Yu Feng (2018) 0.46 (0.41, 0.52) 7.12
Nina Øyen (2019) 1.07 (0.98, 1.17) 7.32
Yanji Qu (2020) 0.69 (0.62, 0.76) 7.24
Subtotal (I-squared = 94.2%, p = 0.000) 0.82 (0.70, 0.96) 82.44
.
0
A E Czeizel (1993) 0.57 (0.26, 1.26) 2.04
K S Scanlon (1998) 0.95 (0.63, 1.45) 4.28
Andrew E. Czeizel (2004) 0.60 (0.38, 0.96) 3.88
Tanya Bedard (2013) 0.99 (0.92, 1.08) 7.36
Subtotal (I-squared = 51.3%, p = 0.104) 0.85 (0.65, 1.10) 17.56
.
OVERALL (I-squared = 92.7%, p = 0.000) 0.82 (0.72, 0.94) 100.00
NOTE: Weights are from random effects analysis
.263
1
3.8
B
Study
ID
OR (95% CI)
%
Weight
0
A E Czeizel (1993) 0.57 (0.26, 1.26) 2.04
K S Scanlon (1998) 0.95 (0.63, 1.45) 4.28
Martha M. Werler (1999) 1.00 (0.70, 1.50) 4.61
Andrew E. Czeizel (2004) 0.60 (0.38, 0.96) 3.88
Carol Bower (2006) 1.24 (0.84, 1.82) 4.56
Gary M. Shaw (2010) 0.90 (0.60, 1.30) 4.56
Adolfo Correa (2012) 0.88 (0.77, 1.01) 7.00
Melinda Csa´ky-Szunyogh (2013) 0.84 (0.66, 1.06) 6.06
Tanya Bedard (2013) 0.99 (0.92, 1.08) 7.36
Shiliang Liu (2016) 0.89 (0.82, 0.93) 7.44
Baohong Mao (2017) 0.81 (0.51, 1.29) 3.88
Yu Feng (2018) 0.46 (0.41, 0.52) 7.12
Nina Øyen (2019) 1.07 (0.98, 1.17) 7.32
Subtotal (I-squared = 92.0%, p = 0.000) 0.85 (0.72, 1.00) 70.09
.
Maternal smoking
Gary M. Shaw (1995) 0.70 (0.46, 1.10) 4.11
Ingrid M van Beynum (2010) 0.82 (0.68, 0.98) 6.59
Xiaohong Li (2013) 0.47 (0.32, 0.70) 4.51
Elisabeth Leirgul (2015) 1.10 (1.03, 1.16) 7.45
Yanji Qu (2020) 0.69 (0.62, 0.76) 7.24
Subtotal (I-squared = 94.9%, p = 0.000) 0.75 (0.56, 1.01) 29.91
.
OVERALL (I-squared = 92.7%, p = 0.000) 0.82 (0.72, 0.94) 100.00
NOTE: Weights are from random effects analysis
.263
1
3.8
C
Study
ID
OR (95% CI)
%
Weight
0
A E Czeizel (1993) 0.57 (0.26, 1.26) 2.04
K S Scanlon (1998) 0.95 (0.63, 1.45) 4.28
Martha M. Werler (1999) 1.00 (0.70, 1.50) 4.61
Andrew E. Czeizel (2004) 0.60 (0.38, 0.96) 3.88
Carol Bower (2006) 1.24 (0.84, 1.82) 4.56
Gary M. Shaw (2010) 0.90 (0.60, 1.30) 4.56
Adolfo Correa (2012) 0.88 (0.77, 1.01) 7.00
Xiaohong Li (2013) 0.47 (0.32, 0.70) 4.51
Melinda Csa´ky-Szunyogh (2013) 0.84 (0.66, 1.06) 6.06
Tanya Bedard (2013) 0.99 (0.92, 1.08) 7.36
Elisabeth Leirgul (2015) 1.10 (1.03, 1.16) 7.45
Shiliang Liu (2016) 0.89 (0.82, 0.93) 7.44
Baohong Mao (2017) 0.81 (0.51, 1.29) 3.88
Yu Feng (2018) 0.46 (0.41, 0.52) 7.12
Nina Øyen (2019) 1.07 (0.98, 1.17) 7.32
Yanji Qu (2020) 0.69 (0.62, 0.76) 7.24
Subtotal (I-squared = 93.5%, p = 0.000) 0.83 (0.72, 0.95) 89.29
.
Maternal alcohol
Gary M. Shaw (1995) 0.70 (0.46, 1.10) 4.11
Ingrid M van Beynum (2010) 0.82 (0.68, 0.98) 6.59
Subtotal (I-squared = 0.0%, p = 0.512) 0.80 (0.68, 0.95) 10.71
.
OVERALL (I-squared = 92.7%, p = 0.000) 0.82 (0.72, 0.94) 100.00
NOTE: Weights are from random effects analysis
.263
1
3.8
D
Study
ID
OR (95% CI)
%
Weight
Maternal BMI
Ingrid M van Beynum (2010) 0.82 (0.68, 0.98) 6.59
Adolfo Correa (2012) 0.88 (0.77, 1.01) 7.00
Xiaohong Li (2013) 0.47 (0.32, 0.70) 4.51
Baohong Mao (2017) 0.81 (0.51, 1.29) 3.88
Nina Øyen (2019) 1.07 (0.98, 1.17) 7.32
Subtotal (I-squared = 83.0%, p = 0.000) 0.83 (0.68, 1.02) 29.29
.
0
A E Czeizel (1993) 0.57 (0.26, 1.26) 2.04
Gary M. Shaw (1995) 0.70 (0.46, 1.10) 4.11
K S Scanlon (1998) 0.95 (0.63, 1.45) 4.28
Martha M. Werler (1999) 1.00 (0.70, 1.50) 4.61
Andrew E. Czeizel (2004) 0.60 (0.38, 0.96) 3.88
Carol Bower (2006) 1.24 (0.84, 1.82) 4.56
Gary M. Shaw (2010) 0.90 (0.60, 1.30) 4.56
Melinda Csa´ky-Szunyogh (2013) 0.84 (0.66, 1.06) 6.06
Tanya Bedard (2013) 0.99 (0.92, 1.08) 7.36
Elisabeth Leirgul (2015) 1.10 (1.03, 1.16) 7.45
Shiliang Liu (2016) 0.89 (0.82, 0.93) 7.44
Yu Feng (2018) 0.46 (0.41, 0.52) 7.12
Yanji Qu (2020) 0.69 (0.62, 0.76) 7.24
Subtotal (I-squared = 94.2%, p = 0.000) 0.82 (0.70, 0.97) 70.71
.
OVERALL (I-squared = 92.7%, p = 0.000) 0.82 (0.72, 0.94) 100.00
NOTE: Weights are from random effects analysis
.263
1
3.8
E
Study
ID
OR (95% CI)
%
Weight
0
A E Czeizel (1993) 0.57 (0.26, 1.26) 2.04
K S Scanlon (1998) 0.95 (0.63, 1.45) 4.28
Martha M. Werler (1999) 1.00 (0.70, 1.50) 4.61
Andrew E. Czeizel (2004) 0.60 (0.38, 0.96) 3.88
Carol Bower (2006) 1.24 (0.84, 1.82) 4.56
Ingrid M van Beynum (2010) 0.82 (0.68, 0.98) 6.59
Gary M. Shaw (2010) 0.90 (0.60, 1.30) 4.56
Adolfo Correa (2012) 0.88 (0.77, 1.01) 7.00
Xiaohong Li (2013) 0.47 (0.32, 0.70) 4.51
Tanya Bedard (2013) 0.99 (0.92, 1.08) 7.36
Elisabeth Leirgul (2015) 1.10 (1.03, 1.16) 7.45
Shiliang Liu (2016) 0.89 (0.82, 0.93) 7.44
Baohong Mao (2017) 0.81 (0.51, 1.29) 3.88
Yu Feng (2018) 0.46 (0.41, 0.52) 7.12
Nina Øyen (2019) 1.07 (0.98, 1.17) 7.32
Yanji Qu (2020) 0.69 (0.62, 0.76) 7.24
Subtotal (I-squared = 93.5%, p = 0.000) 0.83 (0.72, 0.95) 89.83
.
Fetal sex
Gary M. Shaw (1995) 0.70 (0.46, 1.10) 4.11
Melinda Csa´ky-Szunyogh (2013) 0.84 (0.66, 1.06) 6.06
Subtotal (I-squared = 0.0%, p = 0.471) 0.81 (0.65, 0.99) 10.17
.
OVERALL (I-squared = 92.7%, p = 0.000) 0.82 (0.72, 0.94) 100.00
NOTE: Weights are from random effects analysis
.263
1
3.8
F
Study
ID
OR (95% CI)
%
Weight
Family history
Xiaohong Li (2013) 0.47 (0.32, 0.70) 4.51
Nina Øyen (2019) 1.07 (0.98, 1.17) 7.32
Subtotal (I-squared = 93.8%, p = 0.000) 0.73 (0.32, 1.62) 11.83
.
0
A E Czeizel (1993) 0.57 (0.26, 1.26) 2.04
Gary M. Shaw (1995) 0.70 (0.46, 1.10) 4.11
K S Scanlon (1998) 0.95 (0.63, 1.45) 4.28
Martha M. Werler (1999) 1.00 (0.70, 1.50) 4.61
Andrew E. Czeizel (2004) 0.60 (0.38, 0.96) 3.88
Carol Bower (2006) 1.24 (0.84, 1.82) 4.56
Ingrid M van Beynum (2010) 0.82 (0.68, 0.98) 6.59
Gary M. Shaw (2010) 0.90 (0.60, 1.30) 4.56
Adolfo Correa (2012) 0.88 (0.77, 1.01) 7.00
Melinda Csa´ky-Szunyogh (2013) 0.84 (0.66, 1.06) 6.06
Tanya Bedard (2013) 0.99 (0.92, 1.08) 7.36
Elisabeth Leirgul (2015) 1.10 (1.03, 1.16) 7.45
Shiliang Liu (2016) 0.89 (0.82, 0.93) 7.44
Baohong Mao (2017) 0.81 (0.51, 1.29) 3.88
Yu Feng (2018) 0.46 (0.41, 0.52) 7.12
Yanji Qu (2020) 0.69 (0.62, 0.76) 7.24
Subtotal (I-squared = 92.8%, p = 0.000) 0.83 (0.72, 0.95) 88.17
.
OVERALL (I-squared = 92.7%, p = 0.000) 0.82 (0.72, 0.94) 100.00
NOTE: Weights are from random effects analysis
.263
1
3.8