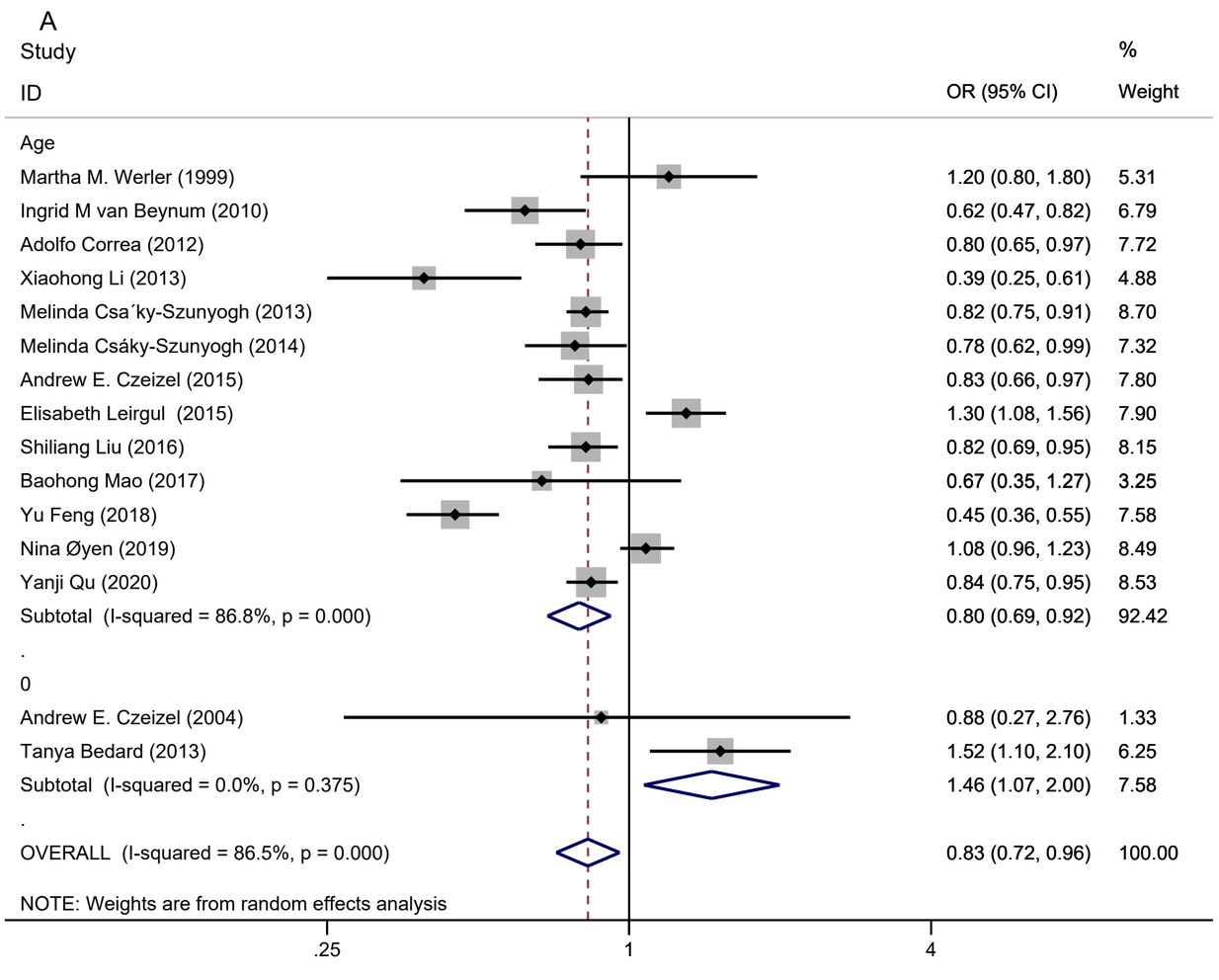
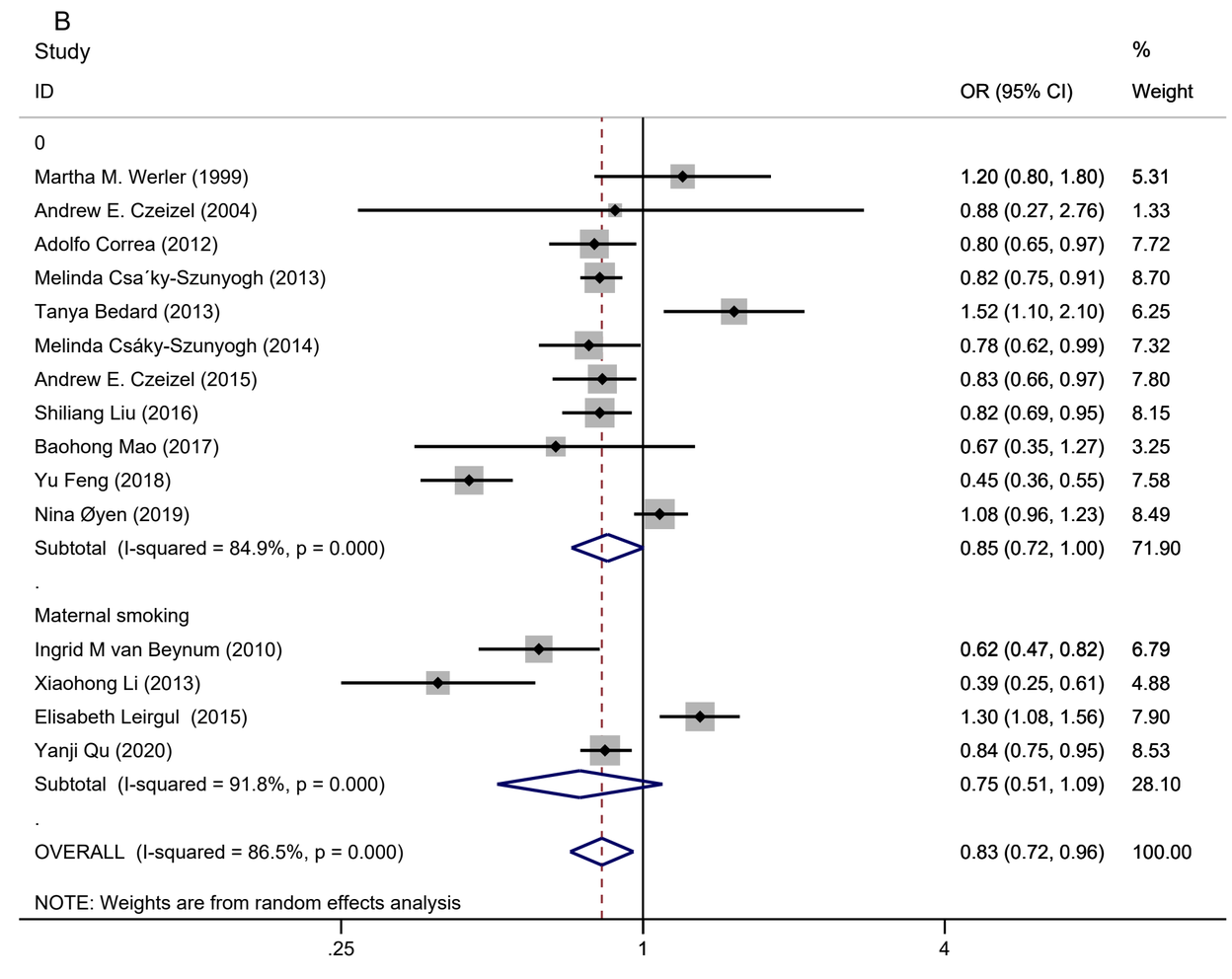
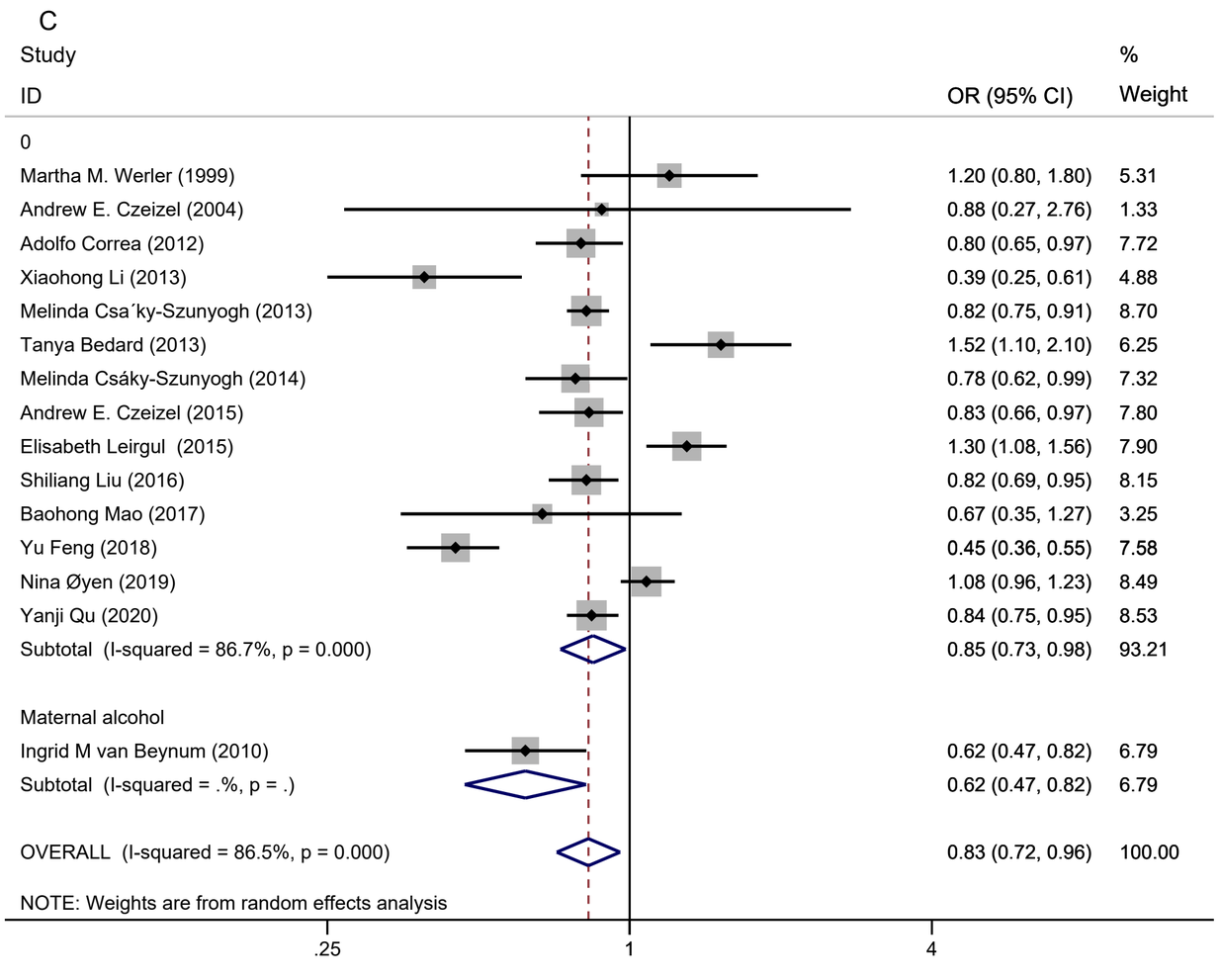

A
Study
ID
OR (95% CI)
%
Weight
Age
Martha M. Werler (1999) 1.20 (0.80, 1.80) 5.31
Ingrid M van Beynum (2010) 0.62 (0.47, 0.82) 6.79
Adolfo Correa (2012) 0.80 (0.65, 0.97) 7.72
Xiaohong Li (2013) 0.39 (0.25, 0.61) 4.88
Melinda Csa´ky-Szunyogh (2013) 0.82 (0.75, 0.91) 8.70
Melinda Csáky-Szunyogh (2014) 0.78 (0.62, 0.99) 7.32
Andrew E. Czeizel (2015) 0.83 (0.66, 0.97) 7.80
Elisabeth Leirgul (2015) 1.30 (1.08, 1.56) 7.90
Shiliang Liu (2016) 0.82 (0.69, 0.95) 8.15
Baohong Mao (2017) 0.67 (0.35, 1.27) 3.25
Yu Feng (2018) 0.45 (0.36, 0.55) 7.58
Nina Øyen (2019) 1.08 (0.96, 1.23) 8.49
Yanji Qu (2020) 0.84 (0.75, 0.95) 8.53
Subtotal (I-squared = 86.8%, p = 0.000) 0.80 (0.69, 0.92) 92.42
.
0
Andrew E. Czeizel (2004) 0.88 (0.27, 2.76) 1.33
Tanya Bedard (2013) 1.52 (1.10, 2.10) 6.25
Subtotal (I-squared = 0.0%, p = 0.375) 1.46 (1.07, 2.00) 7.58
.
OVERALL (I-squared = 86.5%, p = 0.000) 0.83 (0.72, 0.96) 100.00
NOTE: Weights are from random effects analysis
.25
1
4


B
Study
ID
OR (95% CI)
%
Weight
0
Martha M. Werler (1999) 1.20 (0.80, 1.80) 5.31
Andrew E. Czeizel (2004) 0.88 (0.27, 2.76) 1.33
Adolfo Correa (2012) 0.80 (0.65, 0.97) 7.72
Melinda Csa´ky-Szunyogh (2013) 0.82 (0.75, 0.91) 8.70
Tanya Bedard (2013) 1.52 (1.10, 2.10) 6.25
Melinda Csáky-Szunyogh (2014) 0.78 (0.62, 0.99) 7.32
Andrew E. Czeizel (2015) 0.83 (0.66, 0.97) 7.80
Shiliang Liu (2016) 0.82 (0.69, 0.95) 8.15
Baohong Mao (2017) 0.67 (0.35, 1.27) 3.25
Yu Feng (2018) 0.45 (0.36, 0.55) 7.58
Nina Øyen (2019) 1.08 (0.96, 1.23) 8.49
Subtotal (I-squared = 84.9%, p = 0.000) 0.85 (0.72, 1.00) 71.90
.
Maternal smoking
Ingrid M van Beynum (2010) 0.62 (0.47, 0.82) 6.79
Xiaohong Li (2013) 0.39 (0.25, 0.61) 4.88
Elisabeth Leirgul (2015) 1.30 (1.08, 1.56) 7.90
Yanji Qu (2020) 0.84 (0.75, 0.95) 8.53
Subtotal (I-squared = 91.8%, p = 0.000) 0.75 (0.51, 1.09) 28.10
.
OVERALL (I-squared = 86.5%, p = 0.000) 0.83 (0.72, 0.96) 100.00
NOTE: Weights are from random effects analysis
.25
1
4


C
Study
ID
OR (95% CI)
%
Weight
0
Martha M. Werler (1999) 1.20 (0.80, 1.80) 5.31
Andrew E. Czeizel (2004) 0.88 (0.27, 2.76) 1.33
Adolfo Correa (2012) 0.80 (0.65, 0.97) 7.72
Xiaohong Li (2013) 0.39 (0.25, 0.61) 4.88
Melinda Csa´ky-Szunyogh (2013) 0.82 (0.75, 0.91) 8.70
Tanya Bedard (2013) 1.52 (1.10, 2.10) 6.25
Melinda Csáky-Szunyogh (2014) 0.78 (0.62, 0.99) 7.32
Andrew E. Czeizel (2015) 0.83 (0.66, 0.97) 7.80
Elisabeth Leirgul (2015) 1.30 (1.08, 1.56) 7.90
Shiliang Liu (2016) 0.82 (0.69, 0.95) 8.15
Baohong Mao (2017) 0.67 (0.35, 1.27) 3.25
Yu Feng (2018) 0.45 (0.36, 0.55) 7.58
Nina Øyen (2019) 1.08 (0.96, 1.23) 8.49
Yanji Qu (2020) 0.84 (0.75, 0.95) 8.53
Subtotal (I-squared = 86.7%, p = 0.000) 0.85 (0.73, 0.98) 93.21
Maternal alcohol
Ingrid M van Beynum (2010) 0.62 (0.47, 0.82) 6.79
Subtotal (I-squared = .%, p = .) 0.62 (0.47, 0.82) 6.79
OVERALL (I-squared = 86.5%, p = 0.000) 0.83 (0.72, 0.96) 100.00
NOTE: Weights are from random effects analysis
.25
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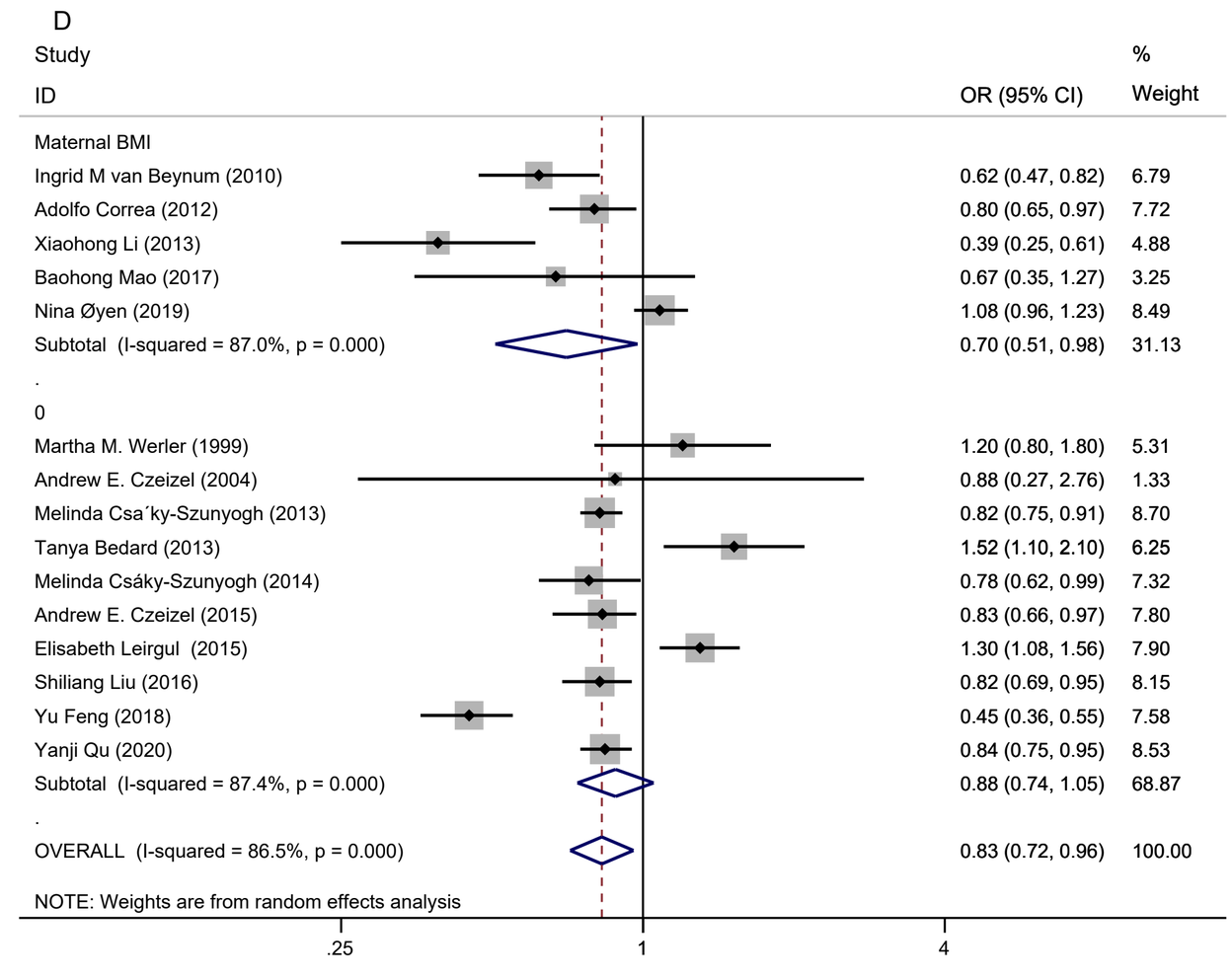
4


D
Study
ID
OR (95% CI)
%
Weight
Maternal BMI
Ingrid M van Beynum (2010) 0.62 (0.47, 0.82) 6.79
Adolfo Correa (2012) 0.80 (0.65, 0.97) 7.72
Xiaohong Li (2013) 0.39 (0.25, 0.61) 4.88
Baohong Mao (2017) 0.67 (0.35, 1.27) 3.25
Nina Øyen (2019) 1.08 (0.96, 1.23) 8.49
Subtotal (I-squared = 87.0%, p = 0.000) 0.70 (0.51, 0.98) 31.13
.
0
Martha M. Werler (1999) 1.20 (0.80, 1.80) 5.31
Andrew E. Czeizel (2004) 0.88 (0.27, 2.76) 1.33
Melinda Csa´ky-Szunyogh (2013) 0.82 (0.75, 0.91) 8.70
Tanya Bedard (2013) 1.52 (1.10, 2.10) 6.25
Melinda Csáky-Szunyogh (2014) 0.78 (0.62, 0.99) 7.32
Andrew E. Czeizel (2015) 0.83 (0.66, 0.97) 7.80
Elisabeth Leirgul (2015) 1.30 (1.08, 1.56) 7.90
Shiliang Liu (2016) 0.82 (0.69, 0.95) 8.15
Yu Feng (2018) 0.45 (0.36, 0.55) 7.58
Yanji Qu (2020) 0.84 (0.75, 0.95) 8.53
Subtotal (I-squared = 87.4%, p = 0.000) 0.88 (0.74, 1.05) 68.87
.
OVERALL (I-squared = 86.5%, p = 0.000) 0.83 (0.72, 0.96) 100.00
NOTE: Weights are from random effects analysis
.25
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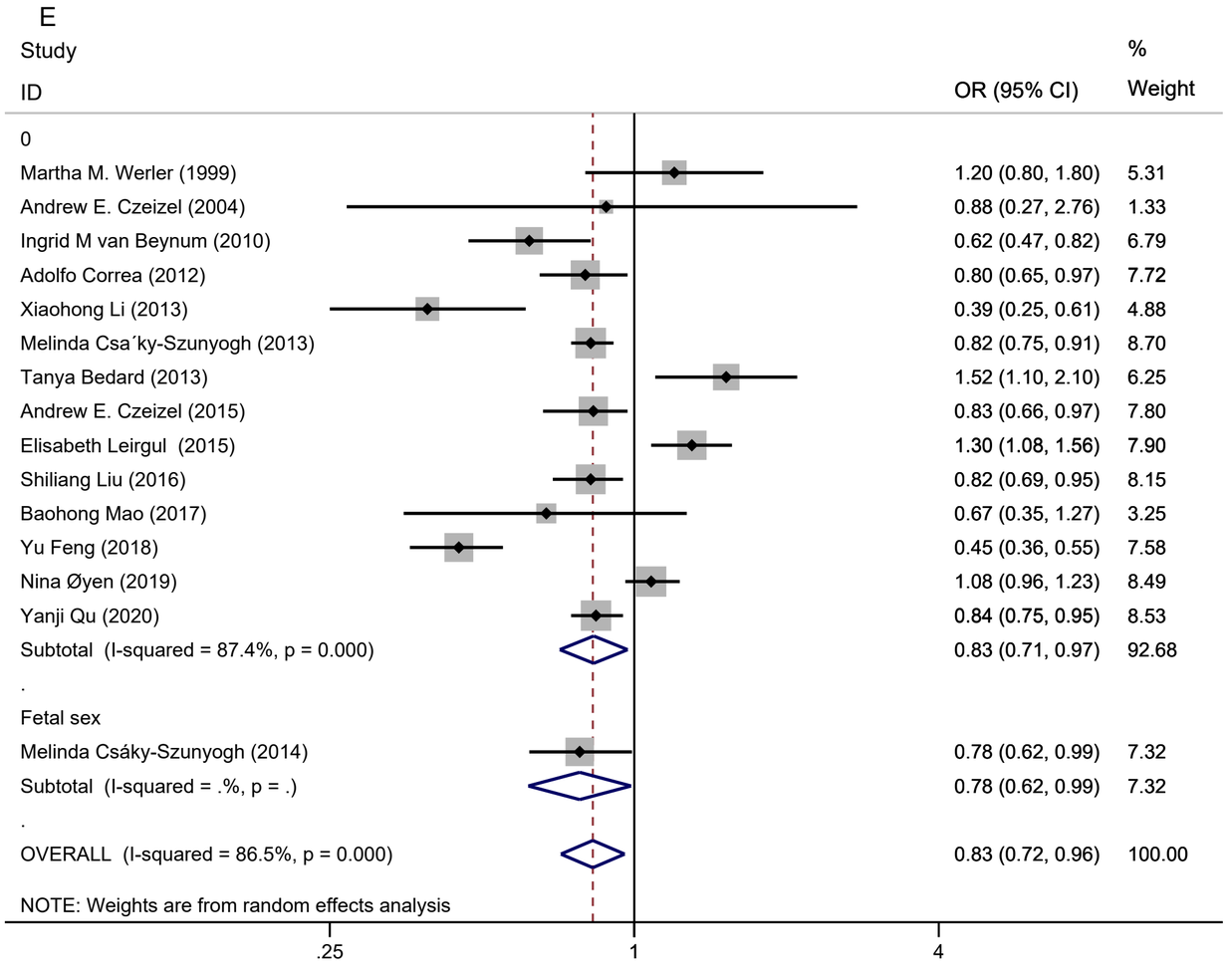
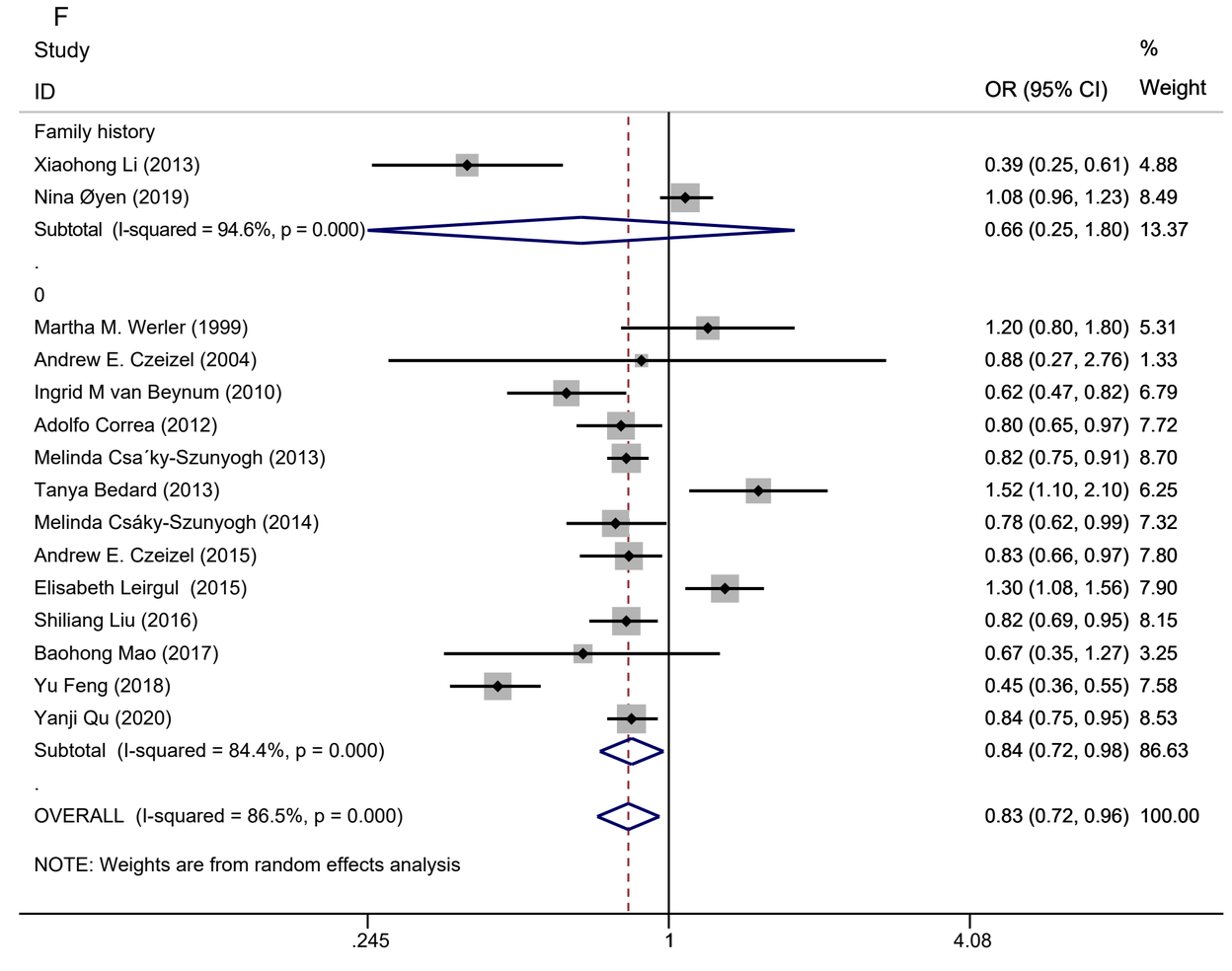
4


E
Study
ID
OR (95% CI)
%
Weight
0
Martha M. Werler (1999) 1.20 (0.80, 1.80) 5.31
Andrew E. Czeizel (2004) 0.88 (0.27, 2.76) 1.33
Ingrid M van Beynum (2010) 0.62 (0.47, 0.82) 6.79
Adolfo Correa (2012) 0.80 (0.65, 0.97) 7.72
Xiaohong Li (2013) 0.39 (0.25, 0.61) 4.88
Melinda Csa´ky-Szunyogh (2013) 0.82 (0.75, 0.91) 8.70
Tanya Bedard (2013) 1.52 (1.10, 2.10) 6.25
Andrew E. Czeizel (2015) 0.83 (0.66, 0.97) 7.80
Elisabeth Leirgul (2015) 1.30 (1.08, 1.56) 7.90
Shiliang Liu (2016) 0.82 (0.69, 0.95) 8.15
Baohong Mao (2017) 0.67 (0.35, 1.27) 3.25
Yu Feng (2018) 0.45 (0.36, 0.55) 7.58
Nina Øyen (2019) 1.08 (0.96, 1.23) 8.49
Yanji Qu (2020) 0.84 (0.75, 0.95) 8.53
Subtotal (I-squared = 87.4%, p = 0.000) 0.83 (0.71, 0.97) 92.68
.
Fetal sex
Melinda Csáky-Szunyogh (2014) 0.78 (0.62, 0.99) 7.32
Subtotal (I-squared = .%, p = .) 0.78 (0.62, 0.99) 7.32
.
OVERALL (I-squared = 86.5%, p = 0.000) 0.83 (0.72, 0.96) 100.00
NOTE: Weights are from random effects analysis
.25
1
4


F
Study
ID
OR (95% CI)
%
Weight
Family history
Xiaohong Li (2013) 0.39 (0.25, 0.61) 4.88
Nina Øyen (2019) 1.08 (0.96, 1.23) 8.49
Subtotal (I-squared = 94.6%, p = 0.000) 0.66 (0.25, 1.80) 13.37
.
0
Martha M. Werler (1999) 1.20 (0.80, 1.80) 5.31
Andrew E. Czeizel (2004) 0.88 (0.27, 2.76) 1.33
Ingrid M van Beynum (2010) 0.62 (0.47, 0.82) 6.79
Adolfo Correa (2012) 0.80 (0.65, 0.97) 7.72
Melinda Csa´ky-Szunyogh (2013) 0.82 (0.75, 0.91) 8.70
Tanya Bedard (2013) 1.52 (1.10, 2.10) 6.25
Melinda Csáky-Szunyogh (2014) 0.78 (0.62, 0.99) 7.32
Andrew E. Czeizel (2015) 0.83 (0.66, 0.97) 7.80
Elisabeth Leirgul (2015) 1.30 (1.08, 1.56) 7.90
Shiliang Liu (2016) 0.82 (0.69, 0.95) 8.15
Baohong Mao (2017) 0.67 (0.35, 1.27) 3.25
Yu Feng (2018) 0.45 (0.36, 0.55) 7.58
Yanji Qu (2020) 0.84 (0.75, 0.95) 8.53
Subtotal (I-squared = 84.4%, p = 0.000) 0.84 (0.72, 0.98) 86.63
.
OVERALL (I-squared = 86.5%, p = 0.000) 0.83 (0.72, 0.96) 100.00
NOTE: Weights are from random effects analysis
.245
1
4.08