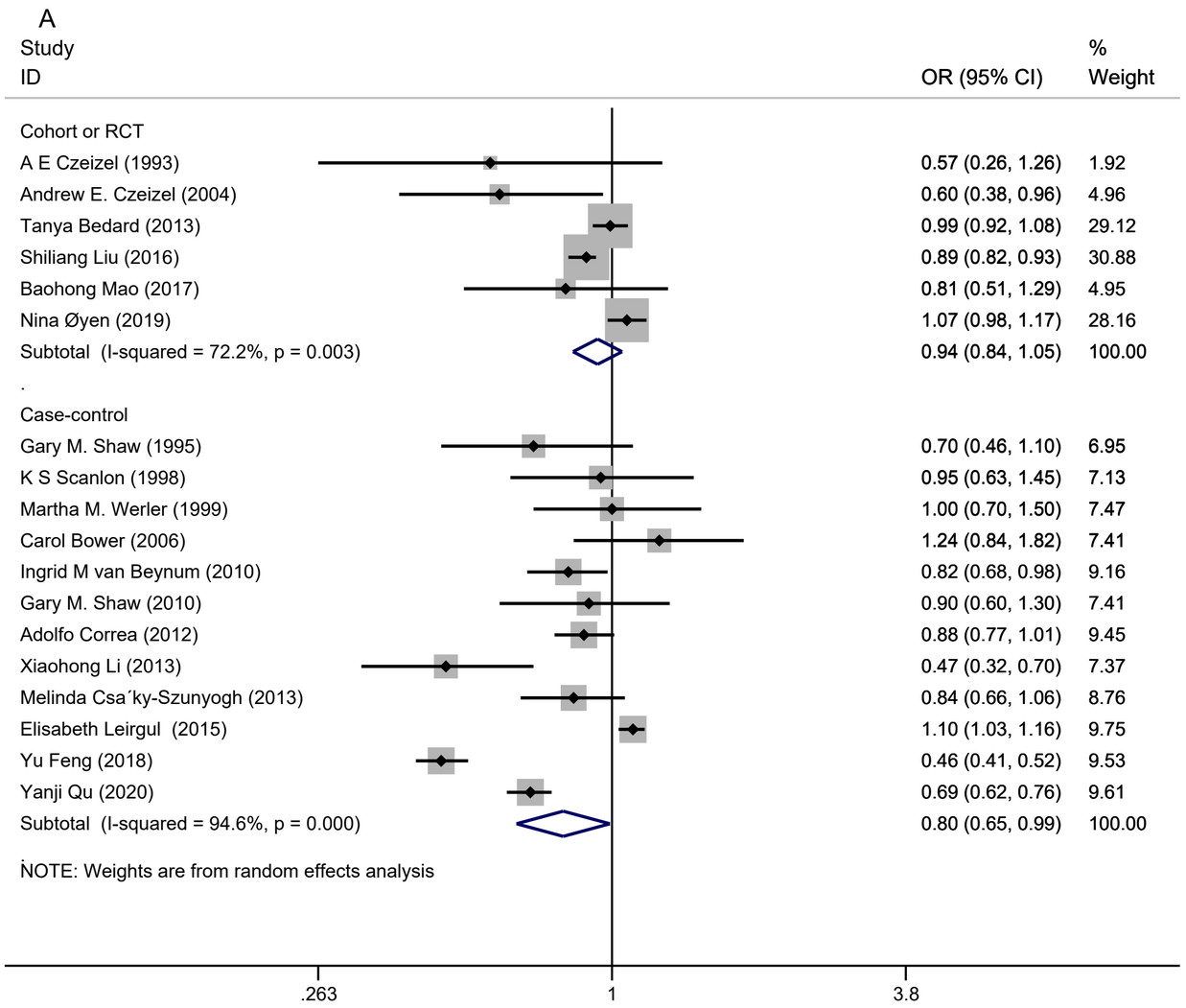
A
Study
ID
OR (95% CI)
%
Weight
Cohort or RCT
A E Czeizel (1993) 0.57 (0.26, 1.26) 1.92
Andrew E. Czeizel (2004) 0.60 (0.38, 0.96) 4.96
Tanya Bedard (2013) 0.99 (0.92, 1.08) 29.12
Shiliang Liu (2016) 0.89 (0.82, 0.93) 30.88
Baohong Mao (2017) 0.81 (0.51, 1.29) 4.95
Nina Øyen (2019) 1.07 (0.98, 1.17) 28.16
Subtotal (I-squared = 72.2%, p = 0.003) 0.94 (0.84, 1.05) 100.00
Case-control
Gary M. Shaw (1995) 0.70 (0.46, 1.10) 6.95
K S Scanlon (1998) 0.95 (0.63, 1.45) 7.13
Martha M. Werler (1999) 1.00 (0.70, 1.50) 7.47
Carol Bower (2006) 1.24 (0.84, 1.82) 7.41
Ingrid M van Beynum (2010) 0.82 (0.68, 0.98) 9.16
Gary M. Shaw (2010) 0.90 (0.60, 1.30) 7.41
Adolfo Correa (2012) 0.88 (0.77, 1.01) 9.45
Xiaohong Li (2013) 0.47 (0.32, 0.70) 7.37
Melinda Csa´ky-Szunyogh (2013) 0.84 (0.66, 1.06) 8.76
Elisabeth Leirgul (2015) 1.10 (1.03, 1.16) 9.75
Yu Feng (2018) 0.46 (0.41, 0.52) 9.53
Yanji Qu (2020) 0.69 (0.62, 0.76) 9.61
Subtotal (I-squared = 94.6%, p = 0.000) 0.80 (0.65, 0.99) 100.00
NOTE: Weights are from random effects analysis
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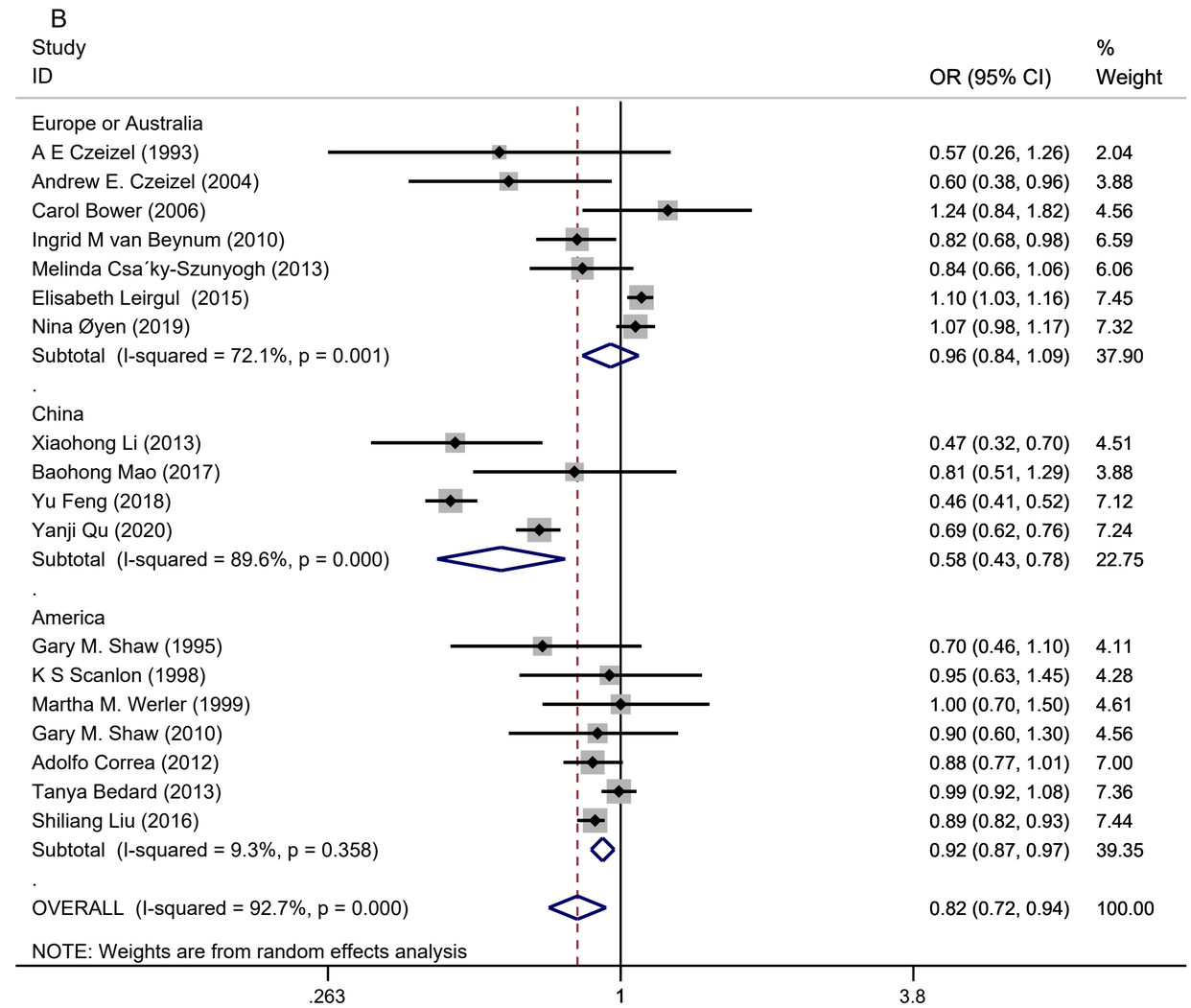
3.8


B
Study
ID
OR (95% CI)
%
Weight
Europe or Australia
A E Czeizel (1993) 0.57 (0.26, 1.26) 2.04
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
Melinda Csa´ky-Szunyogh (2013) 0.84 (0.66, 1.06) 6.06
Elisabeth Leirgul (2015) 1.10 (1.03, 1.16) 7.45
Nina Øyen (2019) 1.07 (0.98, 1.17) 7.32
Subtotal (I-squared = 72.1%, p = 0.001) 0.96 (0.84, 1.09) 37.90
China
Xiaohong Li (2013) 0.47 (0.32, 0.70) 4.51
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 = 89.6%, p = 0.000) 0.58 (0.43, 0.78) 22.75
America
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
Gary M. Shaw (2010) 0.90 (0.60, 1.30) 4.56
Adolfo Correa (2012) 0.88 (0.77, 1.01) 7.00
Tanya Bedard (2013) 0.99 (0.92, 1.08) 7.36
Shiliang Liu (2016) 0.89 (0.82, 0.93) 7.44
Subtotal (I-squared = 9.3%, p = 0.358) 0.92 (0.87, 0.97) 39.35
OVERALL (I-squared = 92.7%, p = 0.000) 0.82 (0.72, 0.94) 100.00
NOTE: Weights are from random effects analysis
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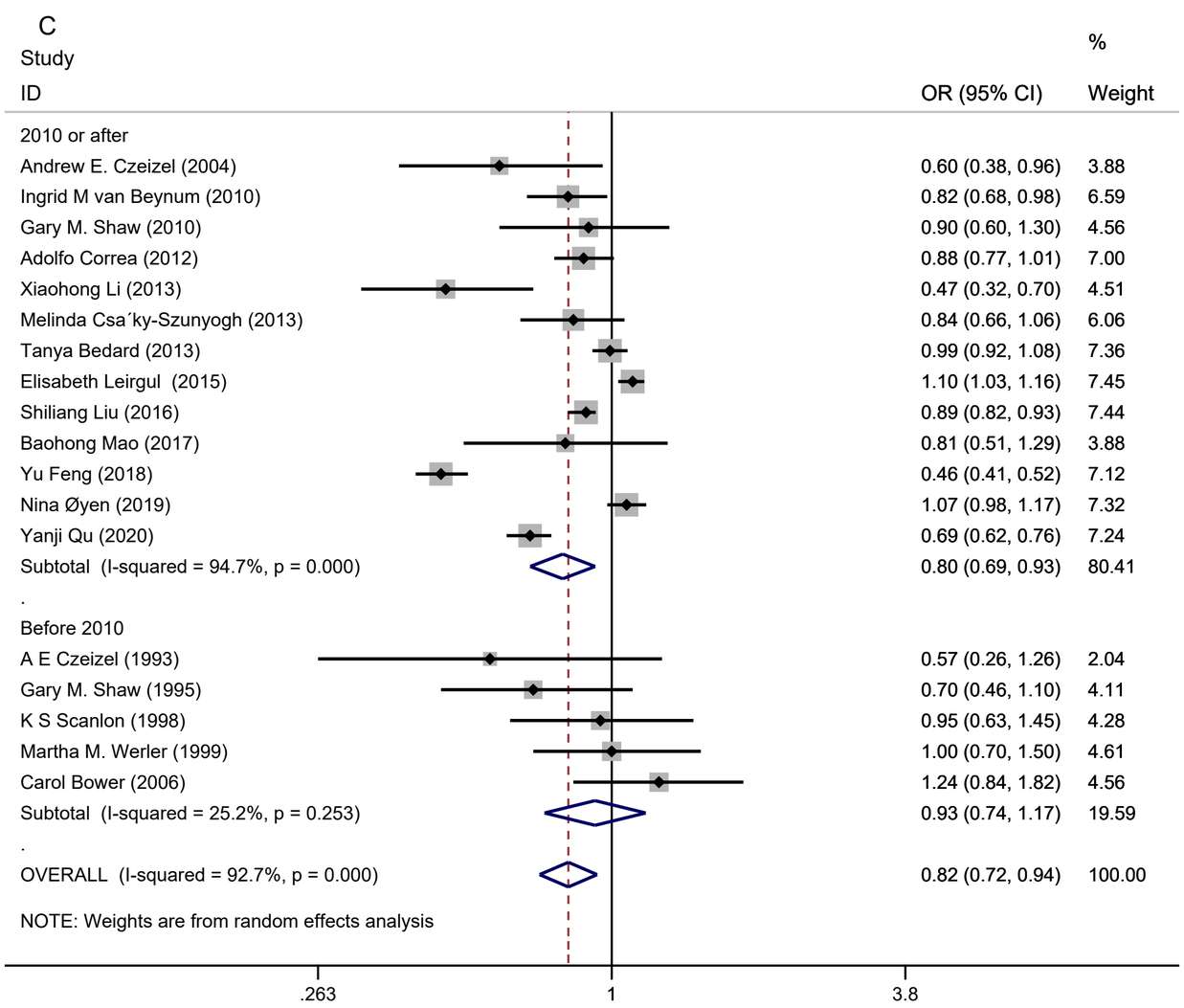
3.8


C
Study
ID
OR (95% CI)
%
Weight
2010 or after
Andrew E. Czeizel (2004) 0.60 (0.38, 0.96) 3.88
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
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 = 94.7%, p = 0.000) 0.80 (0.69, 0.93) 80.41
Before 2010
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
Carol Bower (2006) 1.24 (0.84, 1.82) 4.56
Subtotal (I-squared = 25.2%, p = 0.253) 0.93 (0.74, 1.17) 19.59
OVERALL (I-squared = 92.7%, p = 0.000) 0.82 (0.72, 0.94) 100.00
NOTE: Weights are from random effects analysis
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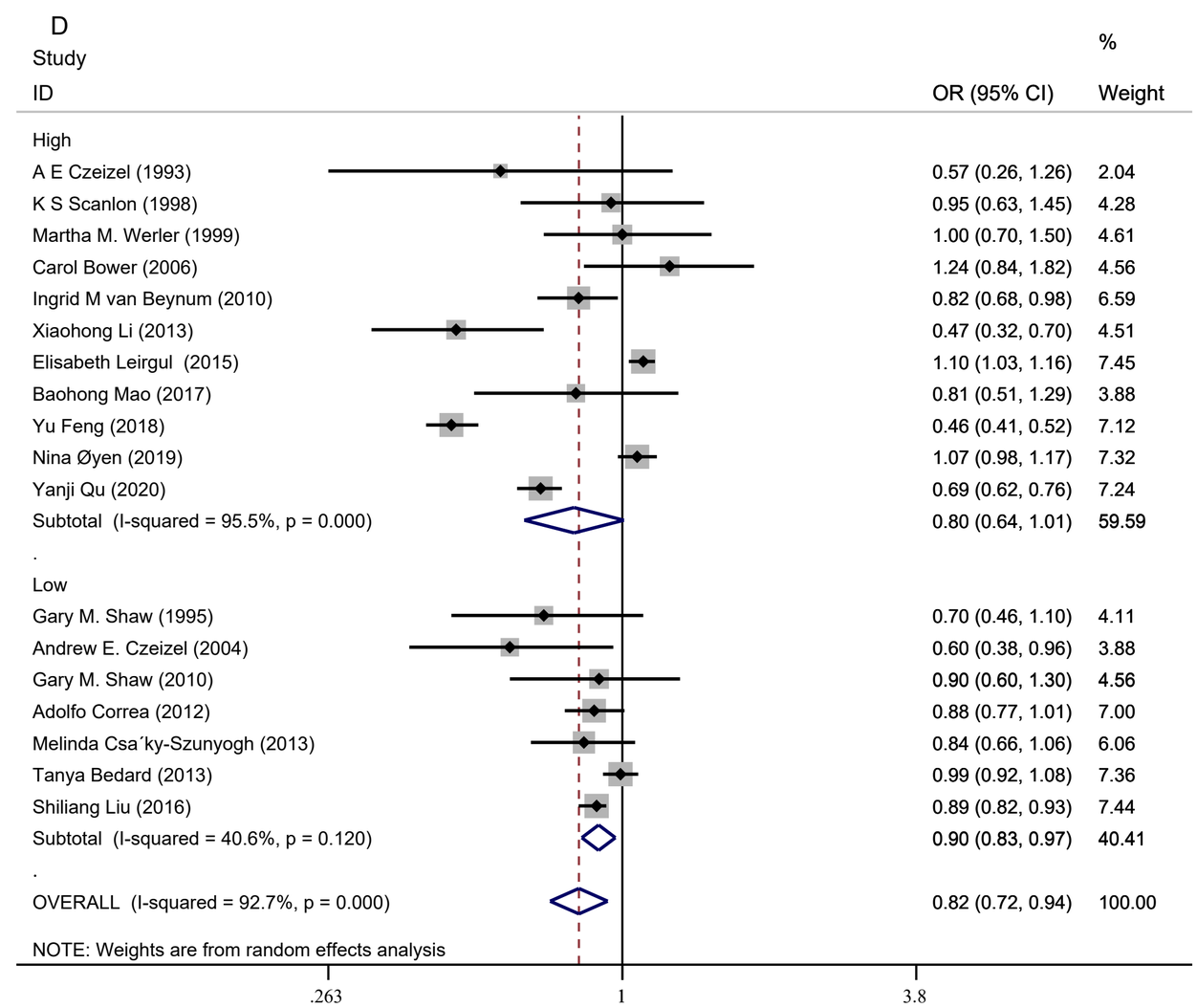
3.8


D
Study
ID
OR (95% CI)
%
Weight
High
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
Carol Bower (2006) 1.24 (0.84, 1.82) 4.56
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
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 = 95.5%, p = 0.000) 0.80 (0.64, 1.01) 59.59
Low
Gary M. Shaw (1995) 0.70 (0.46, 1.10) 4.11
Andrew E. Czeizel (2004) 0.60 (0.38, 0.96) 3.88
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
Subtotal (I-squared = 40.6%, p = 0.120) 0.90 (0.83, 0.97) 40.41
OVERALL (I-squared = 92.7%, p = 0.000) 0.82 (0.72, 0.94) 100.00
NOTE: Weights are from random effects analysis
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3.8