

評価対象論文リスト(要因:早産で生まれた人、アウトカム:糖尿病)

評価判定日:2025/3/28

①既存の系統的レビュー・メタ解析・統合解析

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| 1 | Li S, Zhang M, Tian H, Liu Z, Yin X, Xi B. Preterm birth and risk of type 1 and type 2 diabetes: systematic review and meta-analysis. <i>Obes Rev.</i> 2014;15(10):804-811. doi:10.1111/obr.12214 |
| 2 | Bellou V, Belbasis L, Tzoulaki I, Evangelou E. Risk factors for type 2 diabetes mellitus: An exposure-wide umbrella review of meta-analyses. <i>PLoS One.</i> 2018;13(3):e0194127. Published 2018 Mar 20. doi:10.1371/journal.pone.0194127 |
| 3 | Tsaitlin-Mor L, Cahen-Peretz A, Bentov Y, Ben-Shushan T, Levine H, Walfisch A. Long-term Risk for Type 1 Diabetes and Obesity in Early Term Born Offspring: A Systematic Review and Meta-Analysis. <i>J Clin Endocrinol Metab.</i> 2024;109(5):1393-1401. doi:10.1210/clinem/dgad715 |

■ 系統的レビュー・メタ解析・統合解析

| No | Author | Title | Year | First author | Year | Study period | Study location | Event (*Definition) | Design | Category | Relative risk (95% CI) | Weight | Magnitude of association |
|----------------|-------------------------|---|----------|----------------------|------|------------------|-------------------------|---------------------|-----------------------------------|-----------------------------------|------------------------|--------|--------------------------|
| 1 | Li, S., et al | Preterm birth and risk of type 1 and type 2 diabetes: systematic review and meta-analysis. | 2014 | Patterson | 1994 | NA | UK | T1DM | Case-control | Preterm birth vs. Full-term birth | 0.83 (0.51–1.35) | 1.35 | – |
| | | | | Patterson | 1994 | | UK | | | | 0.93 (0.57–1.51) | 1.35 | – |
| | | | | Dahlquist | 1996 | | Sweden | | | | 1.25 (0.99–1.33) | 14.73 | – |
| | | | | McKinney | 1997 | | UK | | | | 1.21 (0.69–2.1) | 1.04 | – |
| | | | | Jones | 1998 | | UK | | | | 0.86 (0.61–1.21) | 2.74 | – |
| | | | | Dahlquist | 1999 | | Seven centres in Europe | | | | 1.03 (0.77–1.37) | 3.87 | – |
| | | | | Stene | 2004 | | Norway | | | | 0.79 (0.42–1.49) | 0.79 | – |
| | | | | Sadauskaite-Kuehne | 2004 | | Sweden and Lithuania | | | | 1.62 (1.19–2.19) | 3.45 | – |
| | | | | Svensson | 2005 | | Denmark | | | | 1.47 (0.94–2.31) | 1.59 | – |
| | | | | Malcova | 2006 | | Czech Republic | | | | 1.11 (0.83–1.48) | 3.84 | – |
| | | | | D'Angeli | 2010 | | United States | | | | 1.05 (0.85–1.3) | 7.11 | – |
| | | | | Robertson | 2010 | | UK | | | | 1.23 (0.75–2.02) | 1.31 | – |
| | | | | Borras | 2011 | | Spain | | | | 1.11 (0.67–1.84) | 1.26 | – |
| | | | | Phillips | 2012 | | Canada | | | | 1.49 (0.91–2.43) | 1.33 | – |
| | | | Subtotal | | | 1.16 (1.06–1.26) | 45.75 | ↑ | | | | | |
| | | | Caedwell | 2005 | NA | UK | T1DM | Cohort | Preterm birth vs. Full-term birth | 1.25 (1.04–1.49) | 9.93 | – | |
| | | | Haynes | 2007 | | Australia | | | | 1.28 (1.1–1.49) | 13.94 | – | |
| | | | Algert | 2009 | | Australia | | | | 1.46 (0.94–2.28) | 1.64 | – | |
| | | | Crump | 2011 | | Sweden | | | | 1.13 (1.02–1.26) | 28.75 | – | |
| | | | Subtotal | | | | | | | 1.20 (1.11–1.29) | 54.25 | ↑ | |
| Overall | | | | | | | 1.18 (1.11–1.25) | 100 | ↑ | | | | |
| | | | | Pilgaard | 2010 | NA | Denmark | T2DM | Case-control | Preterm birth vs. Full-term birth | 1.79 (1.17–2.74) | 9.46 | – |
| | | | | Subtotal | | | | | | 1.79 (1.17–2.74) | 9.46 | ↑↑ | |
| | | | | Lawlor | 2006 | NA | UK | T2DM | Cohort | Preterm birth vs. Full-term birth | 2.04 (1.18–3.53) | 5.7 | – |
| | | | | Xiao | 2008 | | China | | | | 1.64 (1.07–2.52) | 9.33 | – |
| | | | | Kaijser | 2009 | | Sweden | | | | 1.45 (1.24–1.68) | 73.12 | – |
| | | | | Kajantie | 2010 | | Finland | | | | 1.03 (0.44–2.41) | 2.39 | – |
| | | | | Subtotal | | | | | | | 1.48 (1.29–1.70) | 90.54 | ↑ |
| | | | | Overall | | | | | | 1.51 (1.32–1.72) | 100 | ↑↑ | |
| 2 | Bellou, V., et al | Risk factors for type 2 diabetes mellitus: An exposure-wide umbrella review of meta-analyses. | 2018 | Li | 2014 | | | | | | 1.51 (1.32–1.72) | 100 | ↑↑ |
| 3 | Tsaitlin-Mor, L., et al | Long-term Risk for Type 1 Diabetes and Obesity in Early Term Born Offspring: A Systematic Review and Meta-Analysis. | 2024 | Paz Levy | 2017 | NA | Israel | T1DM | Cohort | Preterm birth vs. Full-term birth | 1.30 (0.96–1.78) | | – |
| | | | | Goldacre | 2017 | | UK | | | | 1.39 (1.27–1.52) | | – |
| | | | | Fleming | 2019 | | Scotland | | 1.12 (1.02–1.22) | | | – | |
| | | | | Metsälä | 2020 | | Finland | | 1.17 (1.10–1.24) | | | – | |
| | | | | Crump | 2019 | | Sweden | | 1.17 (1.13–1.21) | | | – | |
| | | | | Norrman | 2019 | | Sweden | | 1.14 (1.09–1.18) | | | – | |
| | | | | Fixed Pooled | | | | | 1.17 (1.14–1.19) | | | – | |
| | | | | Random Pooled | | | | | 1.19 (1.13–1.25) | | | ↑ | |