**SUPPLEMENTAL MATERIAL**

**Table S2**. Risk of bias assessment of included studies using the New Castle Ottawa Scale

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **N** | **Cohort studies** | **Selection** | **Comparability** | **Outcome** | **Total** |
| 1 | Babinski et al. 1999 | 3 | 0 | 3 | **6** |
| 2 | Barbaresi et al. 2013 | 4 | 2 | 3 | **9** |
| 3 | Barkley et al. 2003 | 4 | 2 | 3 | **9** |
| 4 | Barkley et al. 2004 | 3 | 2 | 3 | **8** |
| 5 | Biederman et al. 2008 | 4 | 2 | 3 | **9** |
| 6 | Biederman et al. 2009 | 4 | 2 | 3 | **9** |
| 7 | Biederman et al. 2011 | 2 | 1 | 3 | **6** |
| 8 | Biederman et al. 2012a | 4 | 2 | 2 | **8** |
| 9 | Biederman et al. 2012b | 3 | 2 | 2 | **7** |
| 10 | Breyer et al. 2009 | 4 | 2 | 2 | **8** |
| 11 | Breyer et al. 2014 | 4 | 2 | 3 | **9** |
| 12 | Brook et al. 2013 | 4 | 1 | 2 | **7** |
| 13 | Fergusson et al. 2007 | 2 | 0 | 3 | **5** |
| 14 | Fischer et al. 2002 | 4 | 2 | 3 | **9** |
| 15 | Greenfield et al. 1988 | 3 | 0 | 3 | **6** |
| 16 | Hechtman et al. 1984 | 4 | 2 | 2 | **8** |
| 17 | Hechtman et al. 1986 | 4 | 1 | 2 | **7** |
| 18 | Hinshaw et al. 2012 | 4 | 2 | 3 | **9** |
| 19 | Howell et al. 1985 | 3 | 0 | 3 | **6** |
| 20 | Klein et al. 2012 | 4 | 2 | 3 | **9** |
| 21 | Lambert & Hartsough 1998 | 4 | 2 | 3 | **9** |
| 22 | Mannuzza et al. 1991 | 4 | 2 | 3 | **9** |
| 23 | Mannuzza et al. 1993 | 4 | 2 | 3 | **9** |
| 24 | Mannuzza et al. 1998 | 4 | 2 | 3 | **9** |
| 25 | Mannuzza et al. 2008 | 4 | 2 | 2 | **8** |
| 26 | Moffitt et al. 2015 | 4 | 2 | 3 | **9** |
| 27 | Mohr-Jensen et al. 2019 | 4 | 1 | 3 | **8** |
| 28 | Molina et al. 2007 | 4 | 2 | 3 | **9** |
| 29 | Molina et al. 2018 | 4 | 1 | 2 | **7** |
| 30 | Paternitè et al. 1999 | 2 | 0 | 2 | **4** |
| 31 | Rasmussen & Gillberg 2000 | 4 | 2 | 2 | **8** |
| 32 | Realmuto et al. 2009 | 4 | 2 | 3 | **9** |
| 33 | Satterfield et al. 2007 | 4 | 2 | 3 | **9** |
| 34 | Shyu et al. 2015 | 4 | 2 | 3 | **9** |
| 35 | Sibley et al. 2012 | 4 | 2 | 2 | **8** |
| 36 | van Lieshout et al. 2016 | 2 | 0 | 2 | **4** |
| 37 | Vitiello et al. 2017 | 4 | 1 | 3 | **9** |
| **N** | **Case control studies** | **Selection** | **Comparability** | **Exposure** | **Total** |
| 38 | De Sanctis et al. 2014 | 4 | 1 | 2 | **7** |
| 39 | Döpfner et al. 2016 | 2 | 2 | 3 | **7** |

**Figure S1**. Summary weighted mean (WM) of prevalence of alcohol use disorders (A), substance use disorders (B), and cannabis use (C) in adulthood ADHD



**Figure S2**. Summary weighted mean (WM) of prevalence of antisocial personality disorders (A) and criminal activities with conviction and/or jail restriction (B) in adulthood ADHD



**Figure S3**. Summary weighted mean (WM) of prevalence of psychiatric disorders in adulthood ADHD: schizophrenia spectrum disorders (A), bipolar disorders (B), depressive disorders (C), and anxiety disorders (D)

