| **Author, Year** | **Did the study attempt to enroll all (or a random sample of) patients meeting inclusion criteria, or a random sample (inception cohort)?** | **Were the groups comparable at baseline on key prognostic factors (by restriction or matching)?** |  **Did the study maintain comparable groups through the study period?** | **Did the study use accurate methods for ascertaining exposures and potential confounders?** | **Were outcome assessors and/or data analysts blinded to the exposure being studied?** |  **Did the article report attrition?** | **Did the study perform appropriate statistical analyses on potential confounders?** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Aldrovandi, 200990 | No | No | Unclear | Unclear | Yes | No | Yes |
| Alimenti, 200696 | Yes | Yes | Yes | Yes | No | No | Yes |
| Benhammou, 2008103 | Yes | Unclear  | Unclear | Yes | Unclear | Yes | Yes |
| Briand, 200973 | Yes | Unclear  | Unclear | Yes | Unclear | No | Yes |
| Brogly, 200791 | Yes | Yes | Yes | Yes | Yes | No | Yes |
| Bunders, 2005100 | Yes | Yes | Yes | Yes | No | No | Yes |
| Carceller, 200974 | Yes | Unclear | Unclear | Unclear | Unclear | Unclear | Unclear |
| Cote, 200892 | Yes | No | Yes | Yes | Unclear | No | Yes |
| Cotter, 200675 | Yes | No | Unclear | Yes | Unclear | N/A | Yes |
| El Beitune, 200576 | Unclear | Yes | Yes | Unclear | Unclear | No | No |
| Grosch-Woerner, 200877 | Yes | Yes | Yes | Yes | Unclear | Yes | Yes |
| Lipschultz, 201199 | Yes | Yes | Yes | Yes | No | No | Yes |
| Marti, 2007109 | Yes | Unclear | Unclear | Yes | Unclear | No | Yes |
| Morris, 200578 | Yes | NA  | NA | Yes | Unclear | Yes | Yes |
| Mussi-Pinhata, 2007101 | Yes | Unclear; groups not separated by HAART regimen | Unclear | Yes | No | Yes | Yes |
| Pacheco, 2006102 | Yes | No; groups differ on multiple variables | Unclear | Yes | No | Unclear | Yes |
| Patel, 200593 | Yes | Yes | Yes | Yes | No | No | Yes |
| Paul, 200579 | Yes | Unclear | Unclear | Unclear | Unclear | No | Yes |
| Rudin, 201180 | Yes | Unclear | Unclear | Yes | No | Yes | Yes |
| Schulte, 200781 | Yes | Unclear | Unclear | Yes | Unclear | Unclear  | Yes |
| Tariq, 201159  | Yes | No; differences on several variables | Unclear | Yes | Unclear | Yes | Yes |
| Townsend, 200782 | Yes | Yes | Yes | Yes | No | No | Yes |
| Townsend, 200994 | Yes | Unclear; baseline characteristics are not divided by ART groups | Yes | Yes | Unclear | Yes | Yes |
| Tuomala, 2005108 | Yes | No; between groups on multiple variables | Unclear | Yes | Yes | No | Yes |
| Watts, 201195 | Yes | Unclear; baseline characteristics not divided by ART group | Unclear | Unclear | Yes | Yes | Yes |
| Williams, 201097 | Yes | No; differ by birth year, test used to assess neurodevelopment | Unclear | Yes | Unclear | No | Yes |

| **Author, Year** | **Is there important differential loss to followup or overall high loss to followup?** | **Were outcomes prespecified and defined, and ascertained using accurate methods?** | **Quality rating** | **Funding source** |
| --- | --- | --- | --- | --- |
| Aldrovandi, 200990 | Unclear | Unclear | Poor | Not reported |
| Alimenti, 200696 | No | Yes | Good | British Columbia Medical Services Foundation; Health Canada Hepatitis C Vertical Transmission Study |
| Benhammou, 2008103 | No | Yes | Fair | Agence Nationale de Recherche sur le SIDA, Agence Francaise de Securite Sanitaire des Produits de Sante |
| Briand, 200973 | Unclear | Yes | Fair | Agence Nationale de Recherches sur le SIDA et les Hepatites Virales |
| Brogly, 200791 | No | Yes | Good | National Institute of Allergy and Infectious Disease; National Institute of Child Health and Human Development; Statistical and Data Analysis Center of Pediatric AIDS Clinical Trials Group,Harvard School of Public Health |
| Bunders, 2005100 | No | Yes | Fair | Academic Medical Center, Amsterdam; International AIDS Therapy Evaluation Center |
| Carceller, 200974 | Unclear | Yes | Poor | Not reported |
| Cote, 200892 | No | Yes | Good | Hospital for Sick Children, Toronto |
| Cotter, 200675 | No; all data reviewed for all births in time period of interest as per study | Yes | Fair | Not reported |
| El Beitune, 200576 | Unclear | Yes | Poor | FAPESP |
| Grosch-Woerner, 200877 | No | Yes | Fair | Ministry of Health of Germany; World Childhood Foundation |
| Lipschultz, 201199 | Unclear | Yes | Fair | National Heart, Lung, and Blood Institute |
| Marti, 2007109 | No | Yes | Fair | Not reported |
| Morris, 200578 | No | Yes | Fair | Agouron Pharmaceuticals |
| Mussi-Pinhata, 2007101 | No | Yes | Fair | National Institute of Child Health and Human Development International Site Development Initiative (NISDI) Perinatal Study Group |
| Pacheco, 2006102 | Unclear | Yes | Fair | National Institute of Allergy and Infectious Diseases; National Institute on Drug Abuse; National Institute of Child Health and Human Development |
| Patel, 200593 | No | Yes | Fair | European Comission; Medical Research Council |
| Paul, 200579 | Unclear  | Yes | Poor | National Institute of Allergy and Infectious Diseases, National Institute of Child Health and Human Development; National Institute on Drug Abuse; General Clinical Research Centers |
| Rudin, 201180 | No | Yes | Fair | Swiss HIV Cohort Study, Swiss National Science Foundation |
| Schulte, 200781 | Unclear | Yes | Fair | Division of HIV/AIDS Prevention, Centers for Disease Control and Prevention |
| Tariq, 201159  | NoYes | Yes | Fair | UK Medical Research Council; Wellcome Trust Research Career Development Fellowship, Health Protection Agency, Department of Health's National Institute for Health Research Biomedical Research Centers  |
| Townsend, 200782 | No | Yes | Fair | Ministry of Health and Child Welfare, Zimbabwe; Canadian International Development Agency |
| Townsend, 200994 | No | Yes | Fair | National Study of HIV in Pregnancy and Childhood, Institute of Child Health, Health Protection Agency Center for Infections and Health Protection, Scotland |
| Tuomala, 2005108 | Unclear  | Yes | Fair | National Institute of Allergy and Infectious Diseases, National Institiute of Child Health and Human Development, National Institute on Drug Abuse, General Clinical Research Centers |
| Watts, 201195 | No | Yes | Fair | National Institute of Allergy and Infectious Diseases, National Institiute of Child Health and Human Development, National Institute on Drug Abuse, and General Clinical Research Centers |
| Williams, 201097 | Unclear | Yes | Fair | National Institute of Allergy and Infectious Diseases and the National Institutes of Child Health and Human Development International and Domestic Pediatric and Maternal HIV Clincial Trials Network |