# S2 Table: Studies of Chorioamnionitis

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Author** | **Date** | **Country** | **Description** | **Total women** | **Chorioamnionitis****(%)** | **Quality** | **Not in meta-analysis** |
| Abramovici (2014)[1] | 11/08-06/10 | US | Chorioamnionitis extracted from medical records of women in a single-hospital RCT of different oxytocin doses. Low-risk women with vaginal delivery and livebirth at one hospital | 1785 | 6.78 | 4 |  |
| Admaty (2012)[2] | 03/09-12/10 | Switzerland | Signs of chorioamnionitis extracted from maternal medical records for a study of newborn outcomes at different gestational ages in 2 hospital. Term births only | 143 | 0.70 | 2 |  |
| Al-Ostad (2015)[3] | 01/98-12/08 | US | Study of risk factors for sepsis using National Inpatient Sample (NIS) data representing all hospital deliveries in the US | 5338995 | 1.73 | 5 |  |
| Bear (2016)[4] | 01/91-12/01 | US | Medical record discharge diagnosis at all non-federal hospitals in California for a study of cerebral palsy and maternal infection | 6018504 | 1.84 | 4 |  |
| Berg (2009)[5] | 01/01-12/05 | US | Study of maternal morbidity during hospitalisation for labour using the National Hospital Discharge Survey representing all hospital deliveries in the US.  | 19986000\* | 1.50 | 4 | Overlapping data |
| Berg (2009)[5] | 01/93-12/97 | US | As above | 19081000\* | 1.90 | 4 |  |
| Bleich (2012)[6] | 01/03-12/08 | US | Medical record data on chorioamnionitis from a study of duration of second stage of labour. Women with live births at 1 hospital | 21991 | 19.66 | 4 | Outlier |
| Borders (2012)[7] | 2009 | US | Audit of number of vaginal examinations in labour and routine midwife diagnosis of chorioamnionitis. Term deliveries at one hospital | 205 | 6.34 | 3 |  |
| Braun (2016)[8] | 01/10-12/10 | US | Study of perinatal sepsis in term infants at 13 hospitals in the Kaiser Permanent Medical Program (KPMP), California, and integrated managed care consortium. Medical record data on chorioamnionitis.  | 31112 | 4.00 | 5 |  |
| Caughey (2007)[9] | 01/95-12/99 | US | Study of maternal complications at 13 KPMP facilities. Medical record data of low-risk, term deliveries | 119254 | 3.49 | 5 |  |
| Cavazos-Rehg (2015)[10] | 01/09-12/09 | US | Study of maternal age and delivery complications using NIS data | 4109295 | 1.67 | 5 | Overlapping data |
| Cheng (2007)[11] | 01/91-12/02 | US | Medical record data on chorioamnionitis from a study of maternal and newborn outcomes by duration of second stage of labour. Multiparous women with livebirths at term in one hospital.  | 5158 | 4.28 | 4 |  |
| Cheng (2010)[12] | 01/90-07/08 | US | Signs of chorioamnionitis extracted from medical records from a study of perinatal outcomes by duration of first stage of labour. Nulliparous women with live, term births at 1 hospital.  | 10661 | 12.56 | 5 |  |
| Danilack (2015)[13] | 01/11-12/13 | US | Chorioamnionitis on birth certificates of all low-risk women delivering in the US | 10458616 | 1.29 | 2 |  |
| Dotters-Katz (2015)[14]  | 01/08-12/10 | US | Study of infection in multiple versus single gestation using NIS data | 12524118\* | 2.58 | 5 |  |
| Edwards (2015)[15] | 06/06-11/07 | US | Signs of chorioamnionitis extracted from maternal medical records for a study of an early warning system for severe sepsis at one hospital.  | 15027 | 6.08 | 5 |  |
| Geller (2010)[16] | 1995-2005 | US | Intrapartum fever extracted from medical records for study of maternal outcomes and planned mode of birth at one hospital. Low-risk, nulliparous women delivering at term | 4048 | 15.74 | 4 |  |
| Getahun (2010)[17] | 01/91-12/07 | US | Medical record data for study of effect of chorioamnionitis on childhood asthma at KPMP hospitals. Only includes infants who became health plan members.  | 397852 | 3.20 | 3 | Overlapping data |
| Getahun (2013)[18] | 01/95-12/10 | US | Medical record data of temporal trends in chorioamnionitis in KPMP hospitals. | 471821 | 4.12 | 4 |  |
| Grotegut (2008)[19] | 01/03-06/05 | US | Medical record data on obstetric outcomes with false-positive glucose challenge test (GCT) at 1 hospital. Normal GCT only | 165 | 0.61 | 4 |  |
| King (2012)[20] | 08/95-02/04 | US | Maternal and Neonatal morbidity using the perinatal database at 1 hospital. Live births at term. | 14406 | 12.85 | 4 |  |
| Magann (2008)[21] | 03/04-02/05 | US | Obstetric characteristics for prolonged third stage of labour. Source of data unclear. Vaginal deliveries at a naval medical centre.  | 1607 | 2.18 | 4 |  |
| Malloy (2014)[22] | 01/08-12/08 | US | Birth certificate data for study of chorioamnionitis and newborn outcomes. Live, term births across the US | 2224406 | 0.99 | 4 | Overlapping data |
| Matsuda (2011)[23] | 2001-2005 | Japan | Data from perinatal registry network of 125 centres.  | 242715 | 1.03 | 4 |  |
| Nelson (2014)[24] | 01/05-12/11 | US | Study of obstetric risk factors for newborn complications. Source of data unclear. Live, term births at 1 hospital | 86371 | 6.61 | 4 |  |
| Osmundson (2011)[25] | 07/06-06/08 | US | Medical record data on chorioamnionitis for a sample of low-risk women managed expectantly (not induced) at 39 weeks gestation in 1 hospital | 102 | 19.61 | 3 |  |
| Shah (2011)[26] | 09/08-11/08 | Pakistan | Medical record data on obstetric outcomes of low-risk women at 3 hospitals. Convenience sample of women aged 20-35 | 916 | 0.76 | 2 |  |
| Suthee (2007)[27] | 01/99-12/03 | Thailand | Signs of chorioamnionitis extracted from medical records in study of meconium-stained amniotic fluid and maternal infection. Low-risk women with live, term birth at 1 hospital | 1079 | 0.93 | 5 |  |

\*Results presented are weighted percentage of US population. In meta-analysis we approximated the sample size at 20% for the NIS[28] and 1% for the NHDS.[29]

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