Supplemental Figure S1: Summary of total number of individuals, and data extracted from each data source used in this study.

Individuals live born between 1983 and 2005 surviving to five years of age (n=566,225).

- **Western Australian Register of Developmental Anomalies – Birth Defects (WARDA - BD)**
  - Data identified: Information on congenital anomalies including CFA via BPA-ICD9 CM codes (n=30,053).

- **Midwives Notification System (MNS)**
  - Data identified: Comparison cohort and information related to Indigenous status, parental socioeconomic status, remoteness, available antenatal and perinatal factors (n=564,804).

- **WA Birth Registrations**
  - Data identified: Information related to parental age (n=564,804).

- **WA Death Registrations**
  - Data identified: Information related to age of death (n=5,559).

Followed up for a minimum of five years from birth until 2010

- **Intellectual Disability Exploring Answers (IDEA)**
  - Data identified: Individuals with intellectual disability (ID) [n=9,798] and autism spectrum disorder (ASD) [n=2,133]

CFA- Craniofacial anomalies; BPA-ICD9CM – British Paediatric Association- International Classification of Diseases 9 Clinical Modification.
Supplemental Figure S2: Total number of cases considered for data analysis after excluding for invalid records and missing [socioeconomic disadvantage (IRSD) and remoteness (ARIA)] data.

Total births 1983-2005
n = 573,619

Excluding still births, children not surviving up to 5 years of age (n=7,394)

Total study cohort
n = 566,225

Total case group
n = 1,421

Cases with complete data considered for multivariable Poisson regression analysis
n = 1,251

Non-cases with incomplete data (invalid, missing IRSD and ARIA data) excluded from multivariable Poisson regression analysis
n = 170

Non-cases with complete data considered for multivariable Poisson regression analysis
n = 501,599

Non-cases with incomplete data (invalid, missing IRSD and ARIA data) excluded from multivariable Poisson regression analysis
n = 63,205

Sub-group - other congenital anomalies (n=28,362)

Non-cases (other congenital anomalies) with complete data considered for multivariable Poisson regression analysis
n = 25,418

Non-cases (other congenital anomalies) with incomplete data (invalid, missing IRSD and ARIA data) excluded from multivariable Poisson regression analysis
n = 2,944
Supplemental Table S1: ICD-9-CM and ICD-10-AM codes used to identify diabetes mellitus, epilepsy and hypertension from the MNS.

| Mother medical condition | ICD-9-CM codes \(^a\) | ICD-10-AM codes \(^b\) |
|--------------------------|------------------------|------------------------|
| Diabetes Mellitus        | 250 (250.0 – 250.92); 648.0 – 648.84 | E10.0 to E14.9 |
| Epilepsy                 | 345.0 – 345.91         | G40.0 – G41.9 |
| Hypertension             | 401.0 – 405.99; 416.00 | I10 – I15.9; I27.0 |

ICD-9-CM: International Classification of Diseases – ninth revision – Clinical modification;
ICD-10-AM: International Classification of Diseases – tenth revision – Australian modification;
MNS: Midwives Notification System

\(^a\) Used to identify data between 1980 and 1997
\(^b\) Used to identify data between 1998 and 2010.