

Breastfeeding information in SIDIAP has been mapped to the OMOP common data model and shows high and increasing completeness over time.

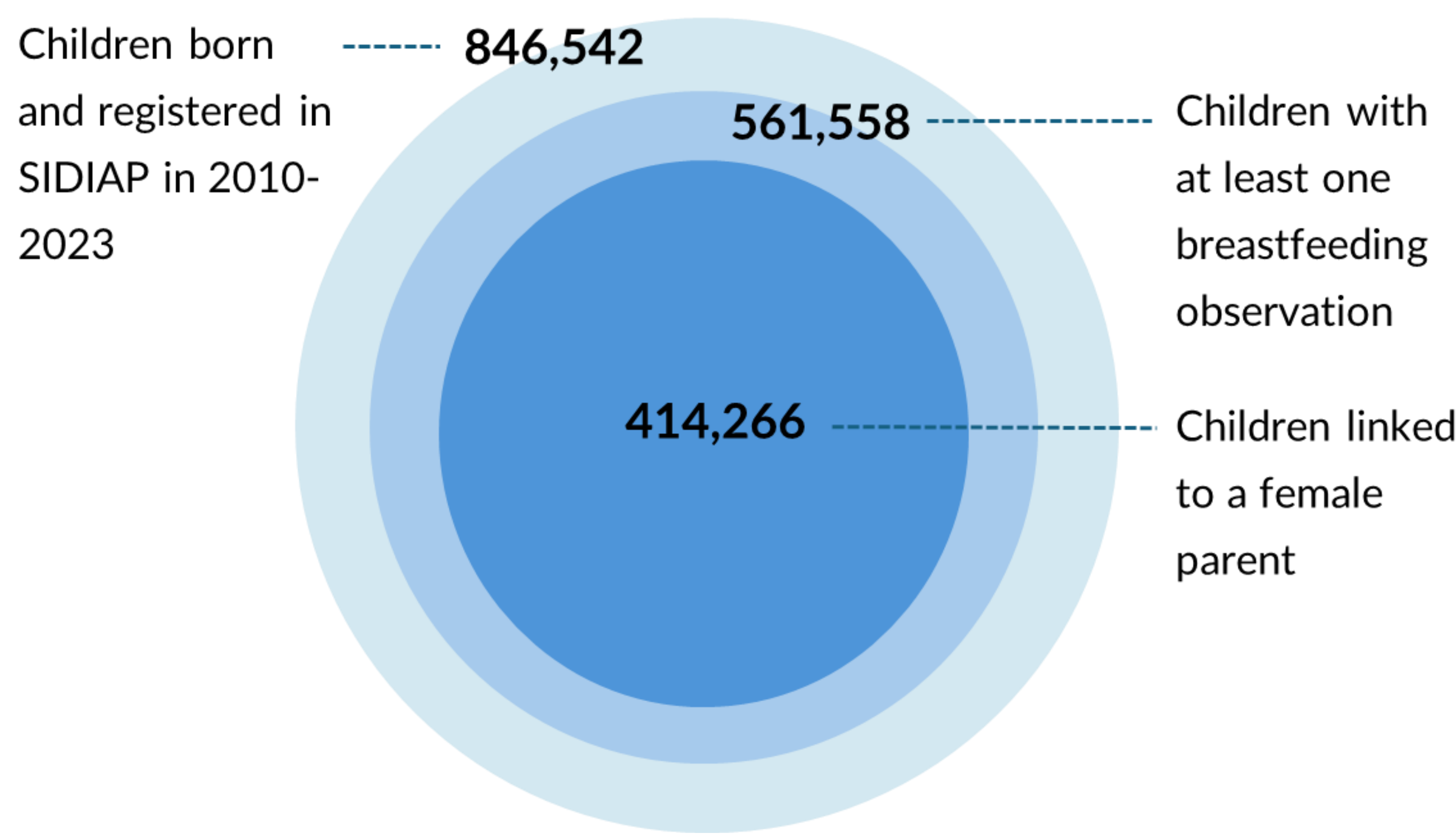
Most children with breastfeeding records have their female parent captured in the database, enabling epidemiological studies on breastfeeding and maternal exposures impacts on children’s health

Completeness and characteristics of breastfeeding data in SIDIAP

Background: Breastfeeding information is rarely available in population-based databases.

Aim: We evaluated the completeness of breastfeeding records in the Information System for Research in Primary Care (SIDIAP) in Catalonia, Spain, and compared the characteristics of women and children with and without available breastfeeding information.

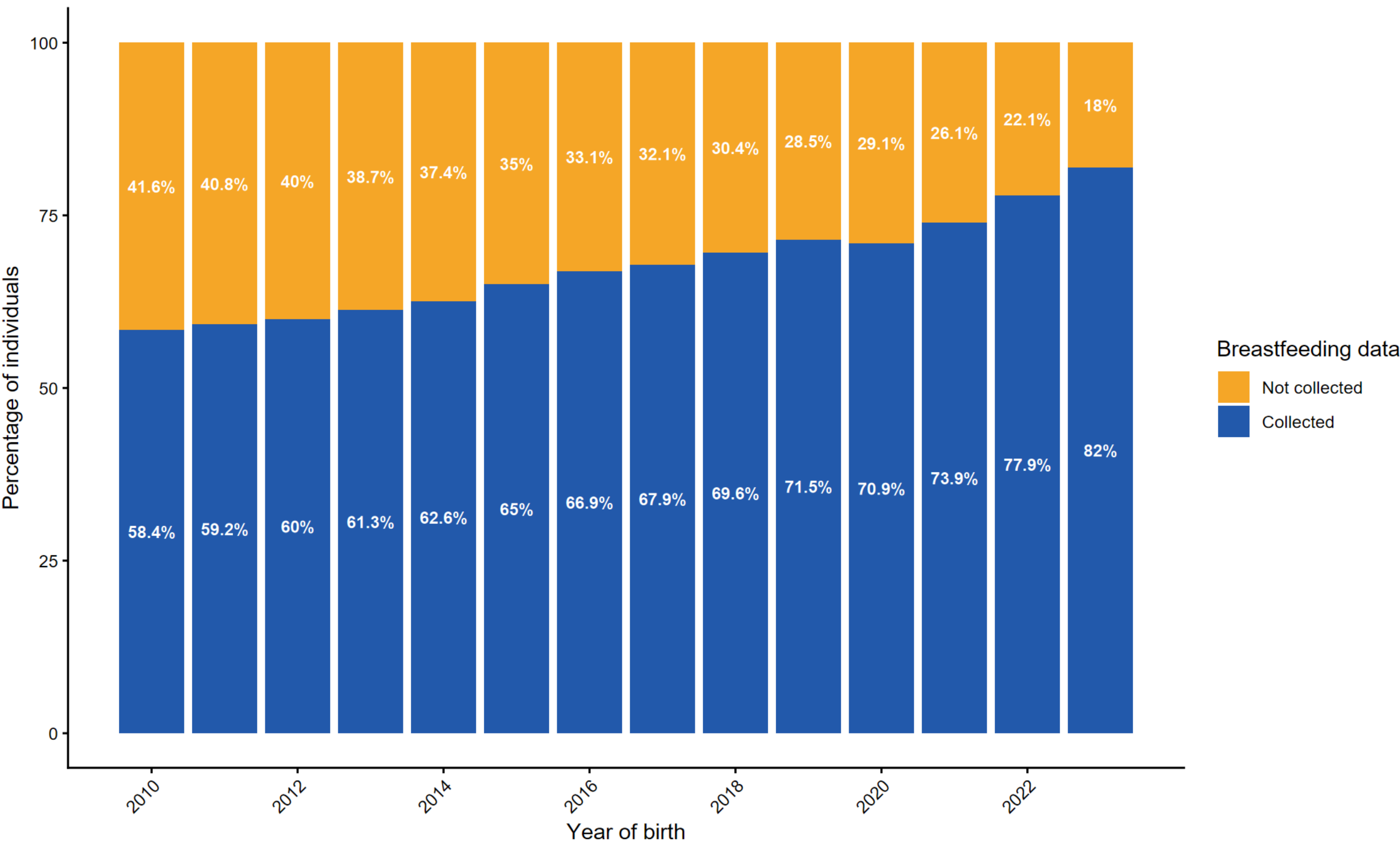
Result 1: Availability of breastfeeding data and female parent linkage in SIDIAP



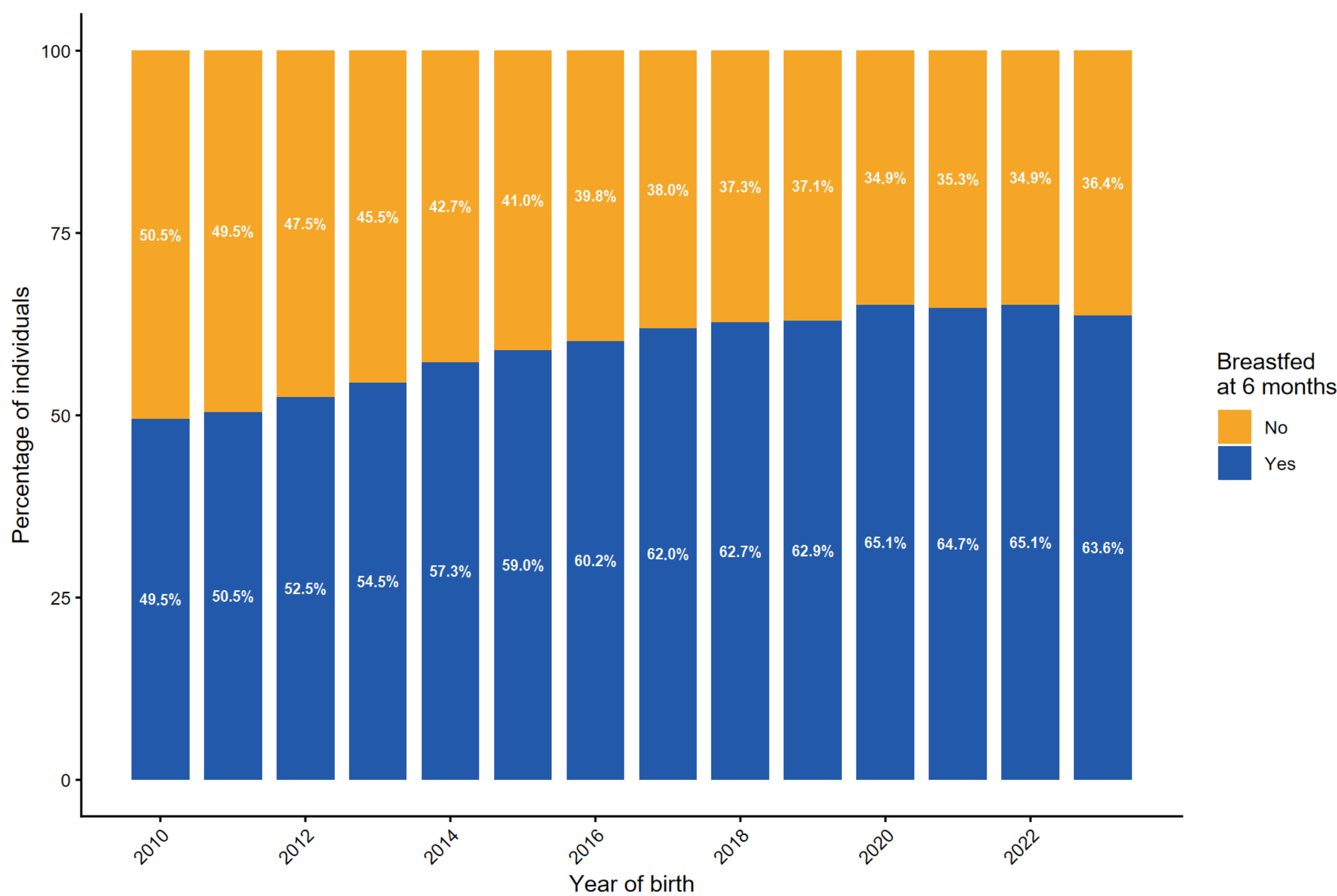
Result 2: Characteristics of children and mothers with and without breastfeeding (BF) data, in percentage

	With BF data	Without BF data
Children nationality - Spanish	86.0	87.2
Maternal nationality - Spanish	72.0	81.0
Maternal socioeconomic level- High	13.3	14.9

Result 3: Breastfeeding data collection practices in SIDIAP primary care database from 2010 to 2023.



Result 4: Temporal trends in the percentage of children being breastfed at 6 months of age



Methods

- Data Source:** SIDIAP, primary care electronic health record database from Catalonia, Spain
- Population:** Children born between 2010 and 2023
- Breastfeeding information:** collected at paediatric visits from the first week after birth to 24 months of age
- Mapping:** observation table, concept_id **37166037** “Maternal exclusive breastfeeding”, and **37166036** “Partial maternal breastfeeding”, child’s age at the observation recorded in the value_as_number field.
- Analysis:** We evaluated the completeness of breastfeeding data and assessed the availability of mother–child linkage. We compared the sociodemographic characteristics of mother–child pairs with and without breastfeeding information and provided descriptive statistics of breastfeeding practices.

