

CRANE is a national registry and clinical audit. It aims to evaluate and report on the delivery of cleft services to children in England, Wales and Northern Ireland with the congenital abnormality of cleft lip and/or palate. The registry information presented is for children born in 2018 to 2020. The audit outcomes presented are for children born in 2012-2014.

## Registry information

**22,724** Children registered in CRANE, over the last 22 years, since 2000.

**834** Registrations in 2021, the second year impacted by the COVID-19 pandemic.

**86%** of babies with a cleft were born at term (>37 weeks). This compares to 92% in the general population.



75% of babies with a cleft palate were diagnosed in the first 24 hours after birth, despite the impact of COVID-19 on services.



84% of families were referred to a cleft team within 24 hours of birth and 95% of families received contact within 24 hours of referral.

**98%**

of families with verified consent status agreed to the collection of outcome data.

## Audit outcomes at 5 years of age



BMI

**86%**

### Body mass index

of children with a cleft had a healthy BMI. Children most likely to be of normal weight are those with CP, UCLP or BCLP.



**61%**

### Dental health

of children with a cleft had no decayed, missing or filled teeth (dmft=0), compared to 77% of their non-cleft peers.



**38%**

### Facial growth

of children with a complete unilateral cleft lip and palate (UCLP) had scores reflecting good dental arch relationships.



**61%**

### Speech

of children with a cleft affecting the palate had speech within the normal range. The proportion of children with 'normal' speech varied according to cleft type.



**82%**

### Psychology

of children with a cleft had 'Strengths and Difficulties' scores\* in the low/normal range, compared to 90% of their non-cleft peers. Furthermore, 96% of families were screened at least once before the target age of 6 years.

## Development work

### Scientific research articles

We have produced **11** scientific research articles over the past decade.

This work has helped improve the way CRANE conducts and reports on audit, as well as the treatment pathways and experiences of current and future patients.



### Conference presentations

We were involved in **9** different presentations at the International Congress of Cleft Lip, Palate and Related Craniofacial Conditions in 2022.

Our findings were shared with health professionals and patient representatives.

