



Oral Aperture Circumference (OAC) Reference & Calculator Sheet

Post-burn microstomia is a disabling condition where an adequate release improves oral aperture circumference (OAC). This sheet provides a quick calculator and age-banded reference for clinical use in both adults and children.

Formula: $OAC \approx \pi \times \sqrt{((IICD)^2 + ICD^2)/2}$

Age Group	Inter-Incisor Distance (IICD, mm)	Alveolar Distance (ICD, mm)	OAC (mm)	Severity Band
0–5 yrs	20–25	25–30	70–85	Mild
6–12 yrs	25–35	30–40	90–110	Mild–Moderate
13–18 yrs	35–45	40–50	120–150	Moderate
Adults (19–40)	45–55	50–60	160–190	Normal
Adults (41–65)	40–50	45–55	150–175	Mild reduction
Older Adults (>65)	35–45	40–50	130–160	Mild–Moderate

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