

DENTAL AGE ASSESSMENT PROCEDURES

CHILDREN

(Birth to Puberty)

Living or Deceased

Developmental Radiographs

Moorrees, Fanning, & Hunt, 1963
Demirjian et. al., 1976
Cameriere et. al., 2006
(use population specific data)

ADOLESCENTS

(Puberty to approx. Age 20)

Living or Deceased

Early Adolescence

Late Adolescence

Developmental Radiographs

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Moorrees, Fanning, & Hunt, 1963
Demirjian et. al., 1976
Mincer et. al., 1993
Cameriere et. al., 2006
(use population specific data)

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ADULTS

Living

Deceased

Morphological and/or Radiographs

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Post-Formation Changes
(Extraction or Extraction & Sectioning)

Kvaal et. al., 1995
Cameriere et. al., 2004
[Pulp/Tooth Ratio]

Kvaal et. al., 1995
Cameriere et. al., 2004 or 2007
[Pulp/Tooth Ratio]

Maples, 1978
Johanson, 1971 (Sectioning)
Lamendin et al., 1992
Prince & Ubelaker, 2002
Bang & Ramm, 1970

Tooth Development and Eruption Charts and Atlases

(Before birth to young adulthood)

Living or Deceased

Ubelaker, 1989
London Atlas, AlQahtani et al., 2010/2014
London Atlas Interactive Application, 2014 app
(app currently undergoing revision)

Biochemical Techniques

(All Age Groups)

Living or Deceased

Aspartic Acid Racemization
Radiocarbon (¹⁴C)

[require extraction and destruction of at least one tooth]

