Tables from AlQahtani, Hector and Liversidge (2010). Brief Communication: The London Atlas of Human Tooth Development and Eruption. *American Journal of Physical Anthropology* 142:481-490. Published 22 March 2010.

TABLE 1. Sample and sex distribution for each age group used to develop the atlas of tooth development and eruption

		Spitalfiel	ds	St	acks	Radi	ographs	Total		
Age	Male	Female	Unknown	Male	Female	Male	Female	Male	Female	Sum
Skeletal remains										
28 to <32 weeks in utero	_	_	_	8	4	_	_	8	4	12
32 to <36 weeks in utero	_	_	_	8	7	_	_	8	7	15
36 to <39 weeks in utero	_	_	_	15	15	_	_	15	15	30
39 weeks in utero to	_	_	_	15	15	_	_	15	15	30
<1 week after birth										
1 week to <3 months	1	7	1	14	11	_	_	15	18	34
3 months to <6 months	4	1	1	6	2	_	_	10	3	14
6 months to <9 months	3	3	1	1	2	_	_	4	5	10
9 months to <12 months	5	_	6	2	1	_	_	7	1	14
1+ year ^a	9	4	4	_	_	_	_	9	4	17
Radiographs										
2+ years	_	_	_	_	_	12	12	12	12	24
3+ years	_	_	_	_	_	12	12	12	12	24
4+ years	_	_	_	_	_	12	12	12	12	24
5+ years	_	_	_	_	_	12	12	12	12	24
6+ years	_	_	_	_	_	12	12	12	12	24
7+ years	_	_	_	_	_	12	12	12	12	24
8+ years	_	_	_	_	_	12	12	12	12	24
9+ years	_	_	_	_	_	12	12	12	12	24
10+ years	_	_	_	_	_	12	12	12	12	24
11+ years	_	_	_	_	_	12	12	12	12	24
12+ years	_	_	_	_	_	12	12	12	12	24
13+ years	_	_	_	_	_	12	12	12	12	24
14+ years	_	_	_	_	_	12	12	12	12	24
15+ years	_	_	_	_	_	12	12	12	12	24
16+ years	_	_	_	_	_	12	12	12	12	24
17+ years	_	_	_	_	_	12	12	12	12	24
18+ years	_	_	_	_	_	12	12	12	12	24
19+ years	_	_	_	_	_	12	12	12	12	24
20+ years	_	_	_	_	_	12	12	12	12	24
21+ years	_	_	_	_	_	12	12	12	12	24
22+ years	_	_	_	_	_	12	12	12	12	24
23 + years	_	_	_	_	_	12	12	12	12	24

^a Sample is 1 year to <2 years, and the same applies to all ages to the age of 24.

TABLE 2. Tooth development data from autopsied infants^a (combined sex)

			Maxilla					Mandible	•	
		Number	Tooth	formation	stage		Number	Tooth	formation	stage
Age	Tooth	of teeth	Minimum	Median	Maximum	Tooth	of teeth	Minimum	Median	Maximum
30 weeks in utero ^b	i^1	12	Coc	Cr ½	Cr 3/4	i ₁	12	Coc	Cr ½	Cr 3/4
	i^2	12	Cco	Coc	Cr 3/4	i_2	12	Cco	Coc	Cr 3/4
	c'	12	Ci	Ci	Coc	c,	12	Ci	Ci	Coc
	m^1	12	Ci	Cco	Coc	m_1	12	Ci	Cco	Coc
	m^2	12	Ci	Ci	Cco	m_2	12	Ci	Ci	Cco
34 weeks in utero ^b	i^1	13	$\operatorname{Cr} \frac{1}{2}$	${ m Cr}\ ^{3}\!/_{\!4}$	Cr 3/4	i_1	15	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4	Crc
	i^2	13	$\operatorname{Cr} \frac{1}{2}$	$\operatorname{Cr}^{1/2}$	Cr 3/4	i_2	7	$\operatorname{Cr} \frac{1}{2}$	$Cr^{-3}/_{4}$	Cr 3/4
	c'	13	Ci	Ci	Coc	c,	12	Ci	Ci	Coc
	m^1	15	Cco	Cco	Coc	m_1	14	Cco	Cco	Coc
	m^2	13	Ci	Ci	Cco	m_2	12	Ci	Ci	Cco
38 weeks in utero ^b	i^1	26	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4	Crc	i_1	23	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4	Crc
	\mathbf{i}^2	20	$\operatorname{Cr} \frac{1}{2}$	$\operatorname{Cr}^{1/2}$	Cr 3/4	i_2	15	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4	Crc
	c'	26	Ci	Ci	Coc	c,	26	Ci	Cco	Coc
	\mathbf{m}^{1}	29	Cco	Cco	$\operatorname{Cr} \frac{1}{2}$	m_1	29	Cco	Cco	$\operatorname{Cr} \frac{1}{2}$
	m^2	27	Ci	Ci	Cco	m_2	26	Ci	Ci	Cco
Birth ^c	i^1	23	$Cr^{3/4}$	${ m Cr}\ ^{3}\!/_{\!4}$	Crc	i_1	27	$Cr^{-3}/_{4}$	Crc	Crc
	i^2	20	$\operatorname{Cr}^{1/2}$	Cr 3/4	Cr 3/4	i_2	18	$Cr^{3/4}$	$Cr^{-3}/_{4}$	Crc
	c'	30	Ci	Coc	$\operatorname{Cr}^{1/2}$	c,	28	Ci	Coc	Coc
	m^1	25	Cco	Coc	$\operatorname{Cr} \frac{1}{2}$	m_1	29	Cco	Coc	$\operatorname{Cr} \frac{1}{2}$
	m^2	29	Ci	Cco	Coc	m_2	26	Ci	Ci	Coc

^a Twelve children from 28 to <32 weeks in utero, 15 children from 32 to <36 weeks in utero, 30 children from 36 to 39 weeks in utero, and 30 children from >39 weeks in utero to <1 week after birth.

^b Midpoint of 4 weeks.

^c Midpoint of 2 weeks.

TABLE 3. Tooth development data from skeletal remains a (combined sex)

			Maxilla					Mandible		
		Number	Tooth	n formation	stage		Number	Tootl	n formation	stage
Age (months)	Tooth	of teeth	Minimum	Median	Maximum	Tooth	of teeth	Minimum	Median	Maximum
1.5 ^b	i^1	34	Cr 3/4	Crc	Ri	i ₁	29	Cr 3/4	Crc	Ri
	i^2	31	$\operatorname{Cr}^{1/2}$	Cr 3/4	Crc	i_2	25	$Cr^{-3/4}$	Crc	Ri
	c'	34	Coc	Coc	$\operatorname{Cr} \frac{1}{2}$	c,	29	Coc	Coc	$\operatorname{Cr} \frac{1}{2}$
	m^1	33	Cco	Coc	$\operatorname{Cr} \frac{1}{2}$	$\mathbf{m_1}$	28	Cco	Coc	$\operatorname{Cr} \frac{1}{2}$
	m^2	27	Ci	Cco	Coc	m_2	25	Ci	Cco	$\operatorname{Cr} \frac{1}{2}$
	${f M^1}$	4	_	_	Ci	$\mathbf{M_1}$	3	_	_	Cco
$4.5^{\rm b}$	i^1	13	Crc	Ri	$R \frac{1}{4}$	i_1	11	Crc	Ri	$R \frac{1}{4}$
	i^2	11	Crc	Crc	Ri	$\mathbf{i_2}$	13	Cr 3/4	Ri	$R \frac{1}{4}$
	c'	14	Coc	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4	c,	16	Coc	$\operatorname{Cr}^{1/2}$	Cr 3/4
	m^1	7	$\operatorname{Cr} \frac{1}{2}$	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4	m_1	11	$\operatorname{Cr}^{1/2}$	Cr 3/4	Crc
	\mathbf{m}^2	8	Coc	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4	m_2	11	$\operatorname{Cr} \frac{1}{2}$	$Cr^{3/4}$	Crc
	I^1	4	Ci	Ci	Coc	i_1^2	1	_		Ci
	${f M^1}$	4	Ci	Ci	Ci	$\mathbf{M_1}$	5	Ci	Ci	Cco
$7.5^{\rm b}$	i^1	6	Ri	R 1/4	$R \frac{1}{2}$	i_1	5	R 1/4	$R \frac{1}{2}$	$R \frac{1}{2}$
	i^2	6	Crc	R 1/4	R 1/4	i_2	4	Ri	R 1/4	R 1/4
	c'	8	Cr 3/4	Crc	Crc	c,	6	Cr ½	Cr 3/4	Crc
	m^1	9	Crc	Ri	Cr ½	m_1	10	Cr 3/4	Crc	Ri
	\mathbf{m}^2	5	Cr 3/4	Crc	Crc	m_2	10	Cr ½	Cr 3/4	Cr 3/4
	I^1	4	Coc	Coc	Cr ½	I_1	3	Coc	Coc	Cr ½
	Ċ'	4	Ci	Ci	Ci	Ċ,	1	_	_	Ci
	$\mathbf{M^1}$	4	Cco	Cco	Coc	$\mathbf{M_1}$	4	Cco	Coc	Coc
$10.5^{\rm b}$	i^1	5	Ri	R ½	$R \frac{1}{2}$	i_1	9	R 1/4	R 3/4	R 3/4
	i^2	4	Ri	R 1/4	$R \frac{1}{2}$	i_2	10	Ri	$R^{1/2}$	$R^{1/2}$
	c'	6	Cr 3/4	Crc	Ri	c,	12	Cr 3/4	Crc	Crc
	m^1	4	Crc	R 1/4	R 1/4	m_1	12	Crc	R 1/4	R ½
	$\frac{m^2}{m^2}$	6	Cr 3/4	Crc	Ri	m_2	12	Cr 3/4	Crc	Ri
	I^1	4	Coc	Cr ½	Cr ½	I_1	5	Cr ½	Cr ½	Cr ½
	Č'	4	Ci	Ci	Ci	Č,	4	Ci	Ci	Ci
	\mathbf{M}^{1}	4	Cco	Coc	Coc	M_1	10	Cco	Coc	Coc

 $^{^{\}rm a}$ Thirty-four children from 1 week to <3 months, 14 children from 3 to <6 months, 10 children from 6 to <9 months, and 14 children from 9 to <12 months. $^{\rm b}$ Midpoint of 3 months.

 $TABLE\ 4.\ Combined\ sex\ tooth\ development\ data\ for\ 17\ children\ (skeletal\ remains)\ from\ 1\ to<2\ years,\ 24\ children\ from\ 2\ to<3\ years,\ and\ 24\ children\ from\ 3\ to<4\ years$

			Maxilla					Mandible		
		Number	Tooth	n formation	stage		Number	Tootl	n formation	stage
Age (years)	Tooth	of teeth	Minimum	Median	Maximum	Tooth	of teeth	Minimum	Median	Maximum
1.5 ^a	i^1	5	R 1/4	R 3/4	R 3/4	i_1	7	R 3/4	R 3/4	Rc
	i^2	6	Ri	$R^{1/2}$	$R^{3/4}$	i_2	7	$R^{3/4}$	$R^{3/4}$	Rc
	c'	6	Crc	Ri	$R^{1/2}$	c,	7	Cr 3/4	Ri	$R \frac{1}{2}$
	m^1	7	Ri	$R \frac{1}{2}$	$R^{3}/_{4}$	m_1	8	$\mathbf{Ri}^{'}$	$R \frac{1}{2}$	$R^{3/4}$
	$egin{array}{c} \mathbf{m}^2 \ \mathbf{I}^1 \ \mathbf{I}^2 \end{array}$	8	Crc	Ri	$R^{1/4}$	m_2	8	Cr 3/4	Ri	$R^{1/4}$
	I^1	6	$\operatorname{Cr} \frac{1}{2}$	$\operatorname{Cr} \frac{1}{2}$	$\operatorname{Cr} \frac{1}{2}$	I_1	6	Cr 1/2	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4
	I^2	4	_	Coc	Coc	I_2	6	Coc	$\operatorname{Cr} \frac{1}{2}$	$\operatorname{Cr}^{1/2}$
	C'	8	Coc	Coc	Coc	Č,	4	_	Coc	Coc
	${f M^1}$	4	_	Coc	$\operatorname{Cr} \frac{1}{2}$	$\mathbf{M_1}$	8	Cco	Coc	$\operatorname{Cr} \frac{1}{2}$
2.5^{a}	$egin{matrix} \mathbf{i^1} \ \mathbf{i^2} \end{bmatrix}$	24	Rc	Ac	Ac	i_1	24	Rc	Ac	\mathbf{Ac}
	i^2	24	Rc	\mathbf{Ac}	Ac	i_2	24	Rc	\mathbf{Ac}	Ac
	c'	24	$R^{3}/_{4}$	Rc	Rc	c,	24	$R^{-3}/_{4}$	Rc	Rc
	m^1	24	$R^{3/4}$	Rc	Ac	m_1	24	$R^{3/4}$	Re	Ac
	m^2	24	R 1/4	$R^{-3}/_{4}$	Ac	m_2	24	$R^{1/2}$	$R^{-3}/_{4}$	\mathbf{Ac}
	I^1	24	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4	Cr 3/4	I_1	24	$\operatorname{Cr} \frac{1}{2}$	$Cr^{\frac{3}{4}}$	Crc
	I^2	24	Coc	$\operatorname{Cr}^{1/2}$	Cr 3/4	I_2	24	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4	Crc
	C'	21	_	$\operatorname{Cr} \frac{1}{2}$	$\operatorname{Cr}^{1/2}$	Č,	24	Coc	$\operatorname{Cr}^{\frac{1}{2}}$	$\operatorname{Cr} \frac{1}{2}$
	P^1	19	_	Ci	Cco	P_1	20	_	Cco	Cco
	P^2	10	_	_	Ci	P_2	18	_	Ci	Ci
	$\mathbf{M^1}$	24	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4	Cr 3/4	M_1	24	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4	Crc
	\mathbf{M}^2	16	_	Ci	Ci	$\overline{\mathrm{M}_{2}}$	15	_	Ci	Ci
3.5^{a}	$egin{array}{c} \mathbf{M}^2 \ \mathbf{i}^1 \ \mathbf{i}^2 \end{array}$	24	Ac	\mathbf{Ac}	Ac	i_1	24	\mathbf{Ac}	\mathbf{Ac}	Ac
	i^2	24	\mathbf{Ac}	Ac	Ac	i_2	24	\mathbf{Ac}	\mathbf{Ac}	\mathbf{Ac}
	c'	24	Ac	Ac	Ac	c,	24	\mathbf{Ac}	Ac	\mathbf{Ac}
	m^1	24	\mathbf{Ac}	\mathbf{Ac}	Ac	m_1	24	\mathbf{Ac}	\mathbf{Ac}	\mathbf{Ac}
	m^2	24	\mathbf{Ac}	Ac	Ac	m_2	24	\mathbf{Ac}	\mathbf{Ac}	\mathbf{Ac}
	I^1	24	Cr 3/4	Cr 3/4	Ri	I_1	24	Cr 3/4	Crc	Ri
	I^2	24	$\operatorname{Cr}^{1/2}$	$\operatorname{Cr}^{1/2}$	Crc	I_2	24	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4	Crc
	C'	24	Cr ½	$\operatorname{Cr}^{1/2}$	Cr 3/4	Č,	24	Coc	Cr ½	Crc
	$\mathbf{P^1}$	24	Ci	Coc	Cr ½	P_1	24	Ci	Cr ½	Cr ½
	P^2	20	_	Ci	Cco	$\overline{\mathrm{P}}_{2}^{1}$	22	_	Ci	Coc
	$\mathbf{M^1}$	24	$\operatorname{Cr} \frac{1}{2}$	Crc	R 1/4	$\overline{\mathrm{M}_{1}}^{2}$	24	Cr ½	Ri	Ri
	\mathbf{M}^2	20	_	Cco	Coc	M_2	22	_	Cco	Coc

^a Midpoint of 1 year.

TABLE 5. Tooth development data (combined sex) for 24 children in each age group: 4 to <5 years, 5 to <6 years, and 6 to <7 years

			Maxilla					Mandible		
		Number	Tooth	n formation	stage		Number	Tooth	n formation	stage
Age (years)	Tooth	of teeth	Minimum	Median	Maximum	Tooth	of teeth	Minimum	Median	Maximum
4.5 ^a	i ¹ to m ²	24 each	Ac	Ac	Ac	i ₁ to m ₂	24 each	Ac	Ac	Ac
	I^1	24	Cr 3/4	Crc	Ri	I_1	24	Cr 3/4	Ri	$R \frac{1}{4}$
	I^2	24	Cr 3/4	Cr 3/4	Ri	I_2	24	Cr 3/4	Ri	Ri
	C'	24	Cr 3/4	Cr 3/4	Ri	$_{\mathrm{C},}^{\mathrm{I_{2}}}$	24	$\operatorname{Cr}^{1/2}$	Cr 3/4	Ri
	$\mathbf{P^1}$	24	$\operatorname{Cr}^{1/2}$	$\operatorname{Cr}^{1/2}$	Cr 3/4	$\mathbf{P_1}$	24	$\operatorname{Cr} \frac{1}{2}$	$\operatorname{Cr}^{1/2}$	Crc
	\mathbf{P}^2	24	Coc	Cco	Cr 3/4	P_2	24	Ci	Coc	$\operatorname{Cr} \frac{1}{2}$
	$\mathbf{M^1}$	24	$R \frac{1}{4}$	$R \frac{1}{4}$	$R^{1/2}$	$\overline{\mathbf{M_1}}$	24	$R \frac{1}{4}$	$R \frac{1}{4}$	$R \frac{1}{2}$
	${f M}^2$	24	Ci	Coc	$\operatorname{Cr} \frac{1}{2}$	$\mathbf{M_2}$	24	Cco	Coc	$\operatorname{Cr} \frac{1}{2}$
5.5^{a}	i^1 i^2	24	\mathbf{Ac}	\mathbf{Ac}	Res 1/4	i_1	24	\mathbf{Ac}	\mathbf{Ac}	Res 1/2
		24	\mathbf{Ac}	\mathbf{Ac}	Res 1/4	i_2	24	\mathbf{Ac}	\mathbf{Ac}	Res 1/4
	c' to m2	24 each	\mathbf{Ac}	\mathbf{Ac}	\mathbf{Ac}	c , to m_2	24 each	Ac	\mathbf{Ac}	\mathbf{Ac}
	I^1	24	\mathbf{Crc}	Ri	$R \frac{1}{4}$	I_1	24	Ri	R 1/4	$R \frac{1}{2}$
	I^2	24	\mathbf{Crc}	\mathbf{Crc}	$\mathbf{R}\mathbf{i}$		24	\mathbf{Crc}	$R \frac{1}{4}$	$R \frac{1}{4}$
	C'	24	Cr 3/4	\mathbf{Crc}	Ri	$_{\mathrm{C,}}^{\mathrm{I_{2}}}$	24	Cr 3/4	\mathbf{Crc}	Ri
	$\mathbf{P^1}$	24	$\operatorname{Cr}^{1/2}$	Cr 3/4	Crc	$\mathbf{P_1}$	24	Coc	Cr 3/4	Crc
	\mathbf{P}^2	24	Cco	$\operatorname{Cr}^{1/2}$	Cr 3/4	P_2	24	Cco	Cr 3/4	Cr 3/4
	${f M^1}$	24	$R \frac{1}{4}$	R 1/4	$R \frac{1}{2}$	$\mathbf{M_1}$	24	$R \frac{1}{4}$	R 1/4	$R^{1/2}$
	${f M}^2$	24	Coc	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4	${ m M}_2$	24	Coc	$\operatorname{Cr} \frac{1}{2}$	Cr 3/4
6.5^{a}	i^1	14	\mathbf{Ac}	Res $3/4$	_	i_1	11	Ac	_	_
	i^2	22	\mathbf{Ac}	Res 1/4	Res $3/4$	i_2	13	\mathbf{Ac}	$\mathrm{Res}\ last{1}{2}$	_
	c'	24	\mathbf{Ac}	\mathbf{Ac}	Ac	c,	24	\mathbf{Ac}	\mathbf{Ac}	Ac
	$\mathbf{m_{-}^{1}}$	24	\mathbf{Ac}	\mathbf{Ac}	Res $\frac{1}{4}$	$\mathbf{m_1}$	24	Ac	Ac	Res $\frac{1}{4}$
	${f m}^2 \ {f I}^1$	24	\mathbf{Ac}	Ac	Ac	\mathbf{m}_2	24	Ac	Ac	Res $\frac{1}{4}$
	I^1	24	Crc	$R \frac{1}{4}$	$R^{3/4}$	I_1	24	$R \frac{1}{4}$	$R \frac{1}{2}$	Rc
	I^2	24	Crc	Ri	$R \frac{1}{2}$	I_2	24	Ri	$R \frac{1}{4}$	$R^{-3}/_{4}$
	C'	24	Crc	Ri	R 1/4	С,	24	${ m Cr}\ ^3\!/_{\!4}$	Ri	$R \frac{1}{4}$
	P^1	24	Cr 3/4	\mathbf{Crc}	Ri	$\mathbf{P_1}$	24	$\operatorname{Cr} \frac{1}{2}$	\mathbf{Crc}	Ri
	P^2	24	$\operatorname{Cr}^{1/2}$	\mathbf{Crc}	Crc	P_2	24	Coc	\mathbf{Crc}	Ri
	$\mathbf{M_{0}^{1}}$	24	$R \frac{1}{4}$	$R \frac{1}{2}$	$R^{3/4}$	$\mathbf{M_1}$	24	R 1/4	$R \frac{1}{2}$	$R^{3}/_{4}$
	${f M}^2$	24	Coc	$\operatorname{Cr} \frac{1}{2}$	Crc	${ m M}_2$	24	Coc	$\operatorname{Cr} \frac{1}{2}$	Crc

^a Midpoint of 1 year.

TABLE 6. Tooth development data (combined sex) for 24 children in each age group: 7 to <8 years, 8 to <9 years, and 9 to <10 years

			Maxilla					Mandible		
		Number	Tooth	n formation	stage		Number	Tootl	n formation	stage
Age (years)	Tooth	of teeth	Minimum	Median	Maximum	Tooth	of teeth	Minimum	Median	Maximum
7.5 ^a	i^1	2	Res 3/4	_	_	i_1	_	_	_	_
	i^2	13	Res $\frac{1}{2}$	Res $3/4$	_	i_2	2	Ac	_	_
	c'	24	Ac	Ac	Ac	c,	24	Ac	Ac	Ac
	m^1	24	Ac	Ac	Res $\frac{1}{2}$	m_1	24	Ac	\mathbf{Ac}	Res $\frac{1}{2}$
	m^2	24	Ac	Ac	Res $\frac{1}{2}$	m_2	24	Ac	Ac	Res 1/4
	I^1	24	R 1/4	$R^{-3}/_{4}$	Rc	I_1	24	$R^{3/4}$	Rc	A ½
	I^2	24	R 1/4	$R^{1/2}$	Re	I_2	24	R 1/4	R 3/4	A ½
	C'	24	Ri	R 1/4	R ½	Č,	24	Ri	R 1/4	R 1/4
	P^1	24	Cr 3/4	Ri	R 1/4	P_1	24	Ri	Ri	R 1/4
	\mathbf{P}^2	24	Cr 3/4	Crc	R 1/4	P_2	24	Crc	Crc	R 1/4
	${f M^1}$	24	R 1/4	$R^{3/4}$	A ½	$\mathbf{M_1}$	24	R 3/4	R 3/4	A ½
	\mathbf{M}^2	24	Cr ½	Cr 3/4	R 1/4	M_2	24	Cr ½	Cr 3/4	R 1/4
	M^3	4	_	_ /-	Ci	M_3	8	_	_ ′-	Ci
8.5 ^a	\mathbf{i}^2	6	Res 3/4	_	_	i_2	_	_	_	_
	c'	24	Ac	Ac	Res 1/4	c,	24	Ac	Ac	Res ½
	m^1	24	Res 1/4	Res ½	Res ½	m_1	24	Res 1/4	Res 1/4	Res ½
	m^2	24	Ac	Res ½	Res ½	m_2	24	Ac	Ac	Res 1/4
	I^1	24	R ½	Re	A ½	I_1	24	$R^{3/4}$	Ac	Ac
	I^2	24	R 1/4	R 3/4	Re	I_2	24	R 1/4	A ½	Ac
	C'	24	Ri	R 1/4	R 3/4	Č,	24	R 1/4	R 1/4	R 3/4
	$\mathbf{P^1}$	24	Ri	Ri	R ½	P_1	24	Ri	R 1/4	R ½
	\mathbf{P}^2	24	Ri	Ri	R ½	P_2	24	Crc	Ri	R 1/4
	M^1	24	R ½	Rc	Ac	M_1	24	R 3/4	R 3/4	A ½
	$ m M^2$	24	Crc	Ri	R 1/4	$ m M_2$	24	Cr 3/4	Ri	R 1/4
	M^3	13	-	Ci	Coc	M_3	20	-	Ci	Cco
9.5 ^a	c'	22	Ac	Ac	_	с,	22	Ac	Res 1/4	_
0.0	m ¹	24	Res 1/4	Res ½	Res 3/4	m ₁	24	Res 1/4	Res 1/4	Res 3/4
	m^2	24	Res ¼	Res ½	Res 3/4	m_2	24	Ac	Res 1/4	Res ½
	I^1	24	R 3/4	Rc	A ½	I_1	24	Re	Ac	Ac
	$ m I^2$	24	R ½	Rc	A ½	I_2	24	Rc	A ½	Ac
	C'	24	R 1/4	R ½	R 3/4	C,	24	R 1/4	R ½	R 3/4
	\mathbf{P}^{1}	24	R 1/4	R 1/4	R 3/4	P_1	24	R 1/4	R ½	R 3/4
	\mathbf{P}^2	24	Ri	R 1/4	R 3/4	$\overset{\Gamma_1}{\mathrm{P}_2}$	24	Ri	R 1/4	R 3/4
	M^1	24	Rc	Ac	Ac	M_1	24	R 3/4	A ½	Ac
	${f M}^2$	24	Ri	R 1/4	R ½	$ m M_2$	24	Ri	R 1/4	R ½
	M^3	17	_	Coc	Cr 3/4	M_3	22	_	Cco	Cr 3/4

^a Midpoint of 1 year.

TABLE~7.~Tooth~development~data~(combined~sex)~for~24~children~in~each~age~group:~10~to~<11~years,~11~to~<12~years,~and~12~to~<13~years

			Maxilla					Mandible		
		Number	Tooth	n formation	stage		Number	Tooth	n formation	stage
Age (years)	Tooth	of teeth	Minimum	Median	Maximum	Tooth	of teeth	Minimum	Median	Maximum
10.5 ^a	c'	20	Ac	Res 1/4	_	c,	_	_	_	_
	m ¹	17	Res 1/4	Res $\frac{1}{2}$	_	m_1	16	Res 1/4	Res $\frac{1}{2}$	_
	m^2	21	Res 1/4	Res $\frac{1}{2}$	_	m_2	18	Ac	Res 1/4	_
	$\frac{m^2}{I^1}$	24	Rc	A ½	Ac	I_1	24	A $\frac{1}{2}$	Ac	Ac
	I^2	24	Rc	A ½	Ac	I ₂ C,	24	Rc	Ac	Ac
	C'	24	R ½	$R^{3/4}$	$R^{3/4}$	C,	24	$R^{3/4}$	$R^{3/4}$	Rc
	$\mathbf{P^1}$	24	R 1/4	R ½	Rc	P_1	24	R 1/4	R ½	Rc
	\mathbf{P}^2	24	Ri	$R \frac{1}{2}$	Rc	P_2	24	R 1/4	$R \frac{1}{2}$	$R^{3/4}$
	$\mathbf{M^1}$	24	Rc	Ac	Ac	$\overline{\mathrm{M_1}}$	24	Rc	Ac	Ac
	${f M}^2$	24	R 1/4	R ½	$R \frac{1}{2}$	M_2	24	R 1/4	R ½	$R \frac{1}{2}$
	\mathbf{M}^3	23	_	Coc	Cr ½	M_3	23	_	Cco	Cr ½
11.5 ^a	c'	17	Ac	Res $3/4$	_	c,	4	Res 1/4	_	_
	m ¹	8	Res $\frac{1}{2}$	_ ′	_	m_1	6	Res 1/4	_	_
	m ²	17	Res 1/4	Res 3/4	_	m_2	18	Ac	Res $\frac{1}{2}$	_
	I^1	24	Re	Ac	Ac	I_1	24	Rc	Ac	Ac
	I^2	24	$R^{3/4}$	Ac	Ac	I_2	24	A ½	Ac	Ac
	C'	24	$R^{1/2}$	R 3/4	Rc	Č,	24	$R^{3/4}$	$R^{3/4}$	A ½
	P^1	24	R ½	$R^{3/4}$	A ½	P_1	24	R ½	$R^{3/4}$	A ½
	P^2	24	R 1/4	$R^{3/4}$	Rc	P_2	24	R 1/4	$R^{3/4}$	A ½
	$\mathbf{M^1}$	24	A ½	Ac	Ac	M_1	24	A ½	Ac	Ac
	${f M}^2$	24	R 1/4	$R \frac{1}{2}$	Rc	M_2	24	R 1/4	R ½	R 3/4
	M^3	24	Ci	Cr ½	Ri	M_3	24	Ci	Coc	R 1/4
12.5 ^a	m^2	2	Res $3/4$	_	_	m_2	10	Res 1/4	_	_
	I^1	24	Re	Ac	Ac	I_1	24	A ½	Ac	\mathbf{Ac}
	I^2	24	Rc	Ac	Ac	I_2	24	A ½	Ac	\mathbf{Ac}
	C'	24	$R^{3/4}$	Re	Rc	Č,	24	$R^{3/4}$	A ½	Ac
	$\mathbf{P^1}$	24	R 3/4	Re	A ½	P_1	24	R 3/4	Re	Ac
	\mathbf{P}^2	24	R ½	R 3/4	A ½	P_2	24	R ½	Rc	Ac
	$\mathbf{M^1}$	24	Ac	Ac	Ac	M_1	24	Ac	Ac	Ac
	\mathbf{M}^2	24	R 1/4	R 3/4	Re	M_2	24	R 1/4	R 3/4	Re
	M^3	24	Cco	Cr 3/4	R 1/4	M_3	24	Ci	Cr ½	R 1/4

^a Midpoint of 1 year.

TABLE 8. Tooth development data (combined sex) for 24 children in each age group: 13 to <14 years, 14 to <15 years, 15 to <16 years, 16 to <17 years, and 17 to <18 years

			Maxilla					Mandible		
		Number	Tooth	n formation	stage		Number	Tooth	n formation	stage
Age (years)	Tooth	of teeth	Minimum	Median	Maximum	Tooth	of teeth	Minimum	Median	Maximum
13.5 ^a	I^1	24	Ac	Ac	Ac	I_1	24	Ac	Ac	Ac
	I^2	24	Ac	Ac	Ac	I_2	24	Ac	Ac	Ac
	C'	24	Rc	Rc	$A \frac{1}{2}$	C,	24	Rc	A $\frac{1}{2}$	Ac
	$\mathbf{P^1}$	24	Re	A ½	Ac	P_1	24	$R^{3}/_{4}$	A ½	Ac
	\mathbf{P}^2	24	$R \frac{1}{2}$	Rc	Ac	P_2	24	$R^{3/4}$	Rc	Ac
	$\mathbf{M^1}$	24	Ac	Ac	Ac	$\mathbf{M_1}$	24	Ac	Ac	Ac
	\mathbf{M}^2	24	Coc	$R^{3/4}$	A $\frac{1}{2}$	M_2	24	$R \frac{1}{2}$	R 3/4	A ½
	\mathbf{M}^3	24	Ci	Cr 3/4	R 1/4	M_3	24	Ci	$\operatorname{Cr}^{1/2}$	R 1/4
$14.5^{a,b}$	C'	24	Rc	A ½	Ac	C,	24	A $\frac{1}{2}$	Ac	Ac
	P^1	24	A $\frac{1}{2}$	Ac	Ac	P_1	24	A $\frac{1}{2}$	Ac	Ac
	\mathbf{P}^2	24	Rc	Ac	Ac	P_2	24	Rc	Ac	Ac
	${f M}^2$	24	Rc	Rc	Ac	M_2	24	Rc	Rc	Ac
	\mathbf{M}^3	24	Cr 3/4	R 1/4	R 1/4	M_3	24	$\operatorname{Cr} \frac{1}{2}$	R 1/4	R 1/4
$15.5^{a,b}$	C'	24	$R^{3/4}$	Ac	Ac	C,	24	Ac	Ac	Ac
	P^1	24	Ac	Ac	Ac	P_1	24	Ac	Ac	Ac
	\mathbf{P}^2	24	Ac	Ac	Ac	P_2	24	Ac	Ac	Ac
	${f M}^2$	24	Rc	A ½	Ac	$\overline{\mathrm{M}_{2}}$	24	Rc	A ½	Ac
	M^3	24	Cr ½	R 1/4	$R^{3/4}$	M_3	24	$\operatorname{Cr} \frac{1}{2}$	R 1/4	$R^{3/4}$
$16.5^{a,c}$	C'	24	Ac	Ac	Ac	C'	24	Ac	Ac	Ac
	${f M}^2$	24	A $\frac{1}{2}$	Ac	Ac	M_2	24	A $\frac{1}{2}$	Ac	Ac
	\mathbf{M}^3	24	Ri	$R \frac{1}{2}$	$R^{3/4}$	M_3	24	Crc	$R \frac{1}{2}$	$R^{3/4}$
17.5 ^{a,c}	${ m M}^2$	24	Ac	Ac	Ac	M_2	24	Ac	Ac	Ac
	\mathbf{M}^3	24	Crc	$R \frac{1}{2}$	Rc	$\overline{\mathrm{M}_{3}}$	24	R 1/4	$R \frac{1}{2}$	Rc

^a Midpoint of 1 year.

^b Teeth that reached radiographic apical closure stage (Ac) are permanent upper and lower incisors and first molars. ^c Teeth that reached radiographic apical closure stage (Ac) are permanent incisors, premolars, and first molars.

TABLE 9. Third molar development for 24 individuals (combined sex) from 18 to <24 years

			Maxilla			Mandible						
		Number	Tooth	n formation	stage		Number	Tooth	n formation	stage		
Age (years)	Tooth	of teeth	Minimum	Median	Maximum	Tooth	of teeth	Minimum	Median	Maximum		
18.5 ^a	\mathbf{M}^3	24	Crc	R 3/4	Rc	M_3	24	R 1/4	R 3/4	Rc		
19.5^{a}	\mathbf{M}^3	24	R 1/4	$\mathbf{R}\mathbf{c}$	A ½	M_3	24	R 1/4	Rc	A ½		
20.5^{a}	${ m M}^3$	24	$R \frac{1}{2}$	$A \frac{1}{2}$	A ½	M_3	24	$R^{-3}/_{4}$	A ½	A ½		
21.5^{a}	${f M}^3$	24	Rc	A ½	Ac	M_3	24	Rc	A ½	Ac		
22.5^{a}	${ m M}^3$	24	Rc	A $\frac{1}{2}$	Ac	M_3	24	Rc	A ½	Ac		
23.5^{a}	M^3	24	Ac	Ac	Ac	M_3	24	Ac	Ac	Ac		

Teeth that reached radiographic apical closure stage (Ac) are permanent incisors, canines, premolars, first and second molars. ^a Midpoint of 1 year.

TABLE 10. Median age of eruption for deciduous teeth (combined sex)^a

		Maxilla		Mandible							
Tooth	Alveolar eruption	Clinical emergence ^b	Full eruption	Tooth	Alveolar eruption	Clinical emergence ^b	Full eruption				
i^1	4.5 months	9.96 months	10.5 months	i ₁	4.5 months	8.04 months	10.5 months				
i^2	7.5 months	11.4 months	1.5 years	i_2	7.5 months	1.08 years	1.5 years				
c'	10.5 months	1.58 years	2.5 years	c,	10.5 months	1.67 years	2.5 years				
m^1	10.5 months	1.33 years	1.5 years	m_1	10.5 months	1.33 years	1.5 years				
m^2	1.5 years	2.42 years	2.5 years	m_2	1.5 years	2.25 years	2.5 years				

 $^{^{\}rm a}$ Midpoint of 3 months for younger than 1 year and midpoint of 1 year otherwise. $^{\rm b}$ From Lysell et al. (1962).

TABLE 11. Median age (years) of eruption for permanent teeth (combined sex)^a

		Maxilla			Mandible							
	Alveolar	Clinical emergence ^b		Full		Alveolar	Clinical e	mergence ^b	Full			
Tooth	eruption	Boys	Girls	eruption	Tooth	eruption	Boys	Girls	eruption			
I^1	6.5	6.9	6.7	7.5	I_1	5.5	6.3	6.2	7.5			
I^2	7.5	8.3	7.8	9.5	I_2	6.5	7.3	6.8	7.5			
C'	11.5	12.1	10.6	12.5	Ċ,	9.5	10.4	9.2	11.5			
P^1	10.5	10.2	9.6	11.5	$\mathbf{P_1}$	10.5	10.3	9.6	11.5			
P^2	11.5	11.4	10.2	12.5	P_2	11.5	11.1	10.1	12.5			
M^1	5.5	6.4	6.4	6.5	$\mathbf{M_1}$	5.5	6.3	6.3	6.5			
M^2	10.5	12.8	12.4	13.5	\mathbf{M}_2	10.5	12.2	11.4	12.5			
M^3	16.5	_	_	20.5	M_3	16.5	_	_	20.5			

^a Midpoint of 1 year. ^b From Haavikko (1970).