

## A2 Collected Data

Below is an excerpt from the full data set, illustrating the initial layout and type of data collected:

SEX	Project Key ID	Tooth Number (FDI System)								S&M	Date of Birth	Date of X-Ray
		47	46	45	44	43	42	41	48			
F	0811	E	G	F	F	F	G	H	A	8	09/09/81	13/08/91
F	0897	G	H	F	F	F	H	H	A	9	27/02/85	23/11/94
F	1007	F	G	F	F	F	G	H	C	10	04/02/83	05/01/93
F	1008	F	H	F	G	G	H	H	D	10	27/02/85	27/03/96
F	1462	G	H	H	H	H	H	H	D	*	09/09/81	19/06/95
F	1463	H	H	H	H	H	H	H	E	*	09/09/81	10/02/97
F	1464	F	G	E	F	F	G	H	O	*	22/06/88	03/11/98
F	1465	H	H	H	H	H	H	H	H	*	21/03/78	04/09/95
F	1466	H	H	H	H	H	H	H	F	*	27/11/83	01/04/98
F	1467	H	H	H	H	H	H	H	F	*	22/11/83	06/07/99
F	1468	G	H	G	H	H	H	H	D	*	04/02/83	28/02/95
F	1469	G	H	H	H	H	H	H	E	*	04/02/83	25/01/96
M	1898	0	D	0	B	0	0	D	0	3	25/08/87	20/09/91
M	3020	F	H	G	G	G	H	H	D	*	17/07/81	09/08/95
M	3021	H	H	H	H	H	H	H	H	*	04/04/82	15/06/99
M	3022	H	H	H	H	H	H	H	E	*	14/07/81	29/01/97
M	3023	H	H	H	H	H	H	H	D	*	13/09/77	19/12/91
M	3024	H	H	H	H	H	H	H	H	*	13/09/77	12/02/96

**Table A2.1:** Example of initial raw data collection; where Project Key ID is the case assigned unique identifier for each case, 48-41 are the teeth with their associated assessed level of development, S & M is the estimated age of the case using the Scour & Massler charts, DOB is date of birth (obtained from films or records), and DOX is date of OPG exposure (taken from OPG film label).

Additional data were added as the study progressed. In the following example, displaying all of the types of data collected, the alphabetic scores have been converted to the self-weighted scores of the Demirjian system and Canadian Predicted Age (CPA) predicted from the original standards of Demirjian.

LOCATION OF SAMPLE	RESEARCHER	SEX	Project Key ID	Tooth Number (FDI System)								Estimated Age using Schour & Massler system	Actual Age as a decimal	Weighted Index - Sum of scores for 47 to 41	Estimated Age based on Weighted Index (using Demirjian)	Actual Age (yy-mm-dd)	Date of Birth	Date of X-Ray
				47	46	45	44	43	42	41	48							
WESTMEAD	MATT	F	0811	11.7	12.5	12.3	14.3	10.0	11.2	15.8	A	8	9.92	87.8	9.4	09-11-03	09/09/81	13/08/91
WESTMEAD	MATT	F	1462	13.2	15.4	13.3	15.5	12.5	13.8	15.8	D	*	13.75	99.5	14.8	13-09-09	09/09/81	19/06/95
WESTMEAD	MATT	F	1463	13.8	15.4	13.3	15.5	12.5	13.8	15.8	E	*	15.42	100.1	14.8	15-05-04	09/09/81	10/02/97
WESTMEAD	MATT	M	3020	12.4	16.8	12.5	15.5	11.4	13.2	15.1	D	*	14.08	96.9	12.7	13-12-23	17/07/81	09/08/95
WESTMEAD	MATT	M	3021	13.6	16.8	13.2	16.1	12.0	13.2	15.1	H	*	17.17	100.0	9.0	17-02-10	04/04/82	15/06/99
WESTMEAD	MATT	M	3022	13.6	16.8	13.2	16.1	12.0	13.2	15.1	E	*	15.58	100.0	11.6	15-06-18	14/07/81	29/01/97
WESTMEAD	MATT	F	1464	12.8	12.5	11.1	14.3	10.0	11.2	15.8	O	*	10.33	87.7	9.4	10-04-13	22/06/88	03/11/98
WESTMEAD	MATT	F	1465	13.8	15.4	13.3	15.5	12.5	13.8	15.8	H	*	17.50	100.1	14.0	17-05-16	21/03/78	04/09/95
WESTMEAD	MATT	M	3023	13.6	16.8	13.2	16.1	12.0	13.2	15.1	D	*	14.25	100.0	14.8	14-03-07	13/09/77	19/12/91
WESTMEAD	MATT	M	3024	13.6	16.8	13.2	16.1	12.0	13.2	15.1	H	*	18.42	100.0	14.8	18-05-01	13/09/77	12/02/96
WESTMEAD	MATT	F	1466	13.8	15.4	13.3	15.5	12.5	13.8	15.8	F	*	14.33	100.1	14.8	14-04-05	27/11/83	01/04/98
WESTMEAD	MATT	F	1467	13.8	15.4	13.3	15.5	12.5	13.8	15.8	F	*	15.58	100.1	14.8	15-07-15	22/11/83	06/07/99
WESTMEAD	MATT	M	3025	12.8	16.8	12.5	15.5	11.4	13.2	15.1	D	*	10.50	97.3	13.0	10-05-23	30/07/87	19/01/98
WESTMEAD	MATT	M	1898	0.0	5.3	0.0	4.0	0.0	0.0	4.3	O	3	4.08	13.6	2.9	03-12-27	25/08/87	20/09/91
WESTMEAD	MATT	F	1007	12.8	12.5	12.3	14.3	10.0	11.2	15.8	C	10	9.92	88.9	9.6	09-11-01	04/02/83	05/01/93
WESTMEAD	MATT	F	1468	13.2	15.4	12.8	15.5	12.5	13.8	15.8	D	*	12.08	99.0	14.0	11-12-25	04/02/83	28/02/95
WESTMEAD	MATT	F	1469	13.2	15.4	13.3	15.5	12.5	13.8	15.8	E	*	13.00	99.5	14.8	12-11-20	04/02/83	25/01/96
WESTMEAD	MATT	F	0897	12.8	15.4	12.3	14.3	10.0	13.8	15.8	A	9	9.75	94.4	10.8	09-08-26	27/02/85	23/11/94
WESTMEAD	MATT	F	1008	12.8	15.4	12.3	14.9	11.8	13.8	15.8	D	10	11.08	96.8	11.9	10-12-29	27/02/85	27/03/96
WESTMEAD	MATT	M	3026	12.8	16.8	13.2	16.1	12.0	13.2	15.1	D	*	14.42	99.2	14.8	14-04-26	14/02/83	10/07/97
WESTMEAD	MATT	M	3027	12.8	16.8	13.2	16.1	12.0	13.2	15.1	E	*	15.92	99.2	14.8	15-10-28	14/02/83	11/01/99
WESTMEAD	MATT	M	2269	11.4	13.9	10.8	13.2	7.8	10.5	11.2	O	7	8.33	78.8	8.6	08-03-20	30/08/89	18/12/97
WESTMEAD	MATT	M	2366	11.4	16.8	12.0	14.9	10.1	13.2	15.1	A	8	8.92	93.5	11.2	08-10-17	22/09/85	09/08/94
WESTMEAD	MATT	M	2668	12.4	16.8	12.5	15.5	11.4	13.2	15.1	C	10	10.33	96.9	12.7	10-03-21	22/09/85	11/01/96
WESTMEAD	MATT	M	2737	12.8	16.8	12.5	15.5	11.4	13.2	15.1	D	12	11.42	97.3	13.0	11-05-07	22/09/85	26/02/97
WESTMEAD	MATT	M	2507	11.4	13.9	10.8	13.2	7.8	10.5	15.1	B	9	9.50	82.7	9.0	09-05-26	15/03/89	08/09/98
WESTMEAD	MATT	M	2508	12.4	16.8	12.0	14.9	10.1	13.2	15.1	C	9	10.25	94.5	11.6	10-03-08	15/03/89	21/06/99
WESTMEAD	MATT	M	2669	12.4	16.8	12.0	14.9	10.1	13.2	15.1	D	10	11.00	94.5	11.6	10-12-09	15/03/89	23/03/00
WESTMEAD	MATT	F	1470	13.2	15.4	12.8	14.9	12.5	13.8	15.8	O	*	14.33	98.4	13.2	14-04-09	22/11/83	31/03/98

Table A2.2: Example of data collected; In addition to the data in Table A2.1, dates of birth and OPGs were sourced and used to calculate age of cases at time of OPG exposure; alphabetic tooth scores converted to DMS and age predictions made using the standards of Demirjian (CPA).