

G.D. Slade^{1*}, A.A. Akinkugbe¹,
and A.E. Sanders¹

¹Department of Dental Ecology, University of North Carolina at Chapel Hill,
USA; *corresponding author, gary_slade@dentistry.unc.edu

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Projections of U.S. Edentulism Prevalence Following 5 Decades of Decline

APPENDIX

Appendix Table 1. Edentulism Prevalence Estimates from Figure 1 Used for Age Cohort Regression Models and Projections

Year of Birth	Survey Period	Age, yr ^a	Prevalence (%)	SE
1914-1923	1957-1958	39	9.5820	0.4715
1914-1923	1971-1975	54	22.8403	1.3549
1914-1923	1988-1994	72	30.7550	1.9748
1914-1923	1999-2002	82	30.6358	2.1891
1924-1933	1957-1958	29	3.5711	0.2790
1924-1933	1971-1975	44	10.4663	0.9961
1924-1933	1988-1994	62	24.4188	1.3586
1924-1933	1999-2002	72	24.9535	1.6840
1924-1933	2009-2012	82	24.2848	1.9109
1934-1943	1957-1958	19	0.9197	0.1361
1934-1943	1971-1975	34	5.5702	0.6068
1934-1943	1988-1994	52	13.0181	1.4520
1934-1943	1999-2002	62	15.6560	1.4577
1934-1943	2009-2012	72	17.7002	1.7875
1944-1953	1971-1975	24	0.7875	0.1532
1944-1953	1988-1994	42	3.9092	0.5523
1944-1953	1999-2002	52	6.2658	0.8713
1944-1953	2009-2012	62	7.8798	1.0503
1954-1963	1988-1994	32	1.0669	0.2038
1954-1963	1999-2002	42	2.0542	0.4758
1954-1963	2009-2012	52	3.8914	0.8476
1964-1973	1988-1994	22	0.0828	0.0635
1964-1973	1999-2002	32	0.7118	0.2878
1964-1973	2009-2012	42	1.6656	0.3465

^aAt time of survey (midpoint).

Appendix Table 2. Prevalence of Edentulism among Adults Aged ≥ 25 Yr in 4 U.S. Geographic Regions, 1957-1958 and 2010

Region	Prevalence of Edentulism, % (95% Confidence Limits)	
	1957-1958 ^a	2010 ^b
South	23.0 (21.7, 24.4)	6.7 (6.5, 6.9)
North Central	25.3 (23.9, 26.7)	5.6 (5.4, 5.8)
Northeast	20.3 (19.0, 21.6)	5.0 (4.8, 5.2)
West	22.4 (20.5, 24.3)	3.6 (3.5, 3.8)

^aFrom the U.S. National Health Survey (U.S. Department of Health and Health Education and Welfare, 1960).

^bFrom the 2010 Behavioral Risk Factor Surveillance System of the 50 states and the District of Columbia; n = 420,307 participants aged ≥ 25 yr (Centers for Disease Control and Prevention, 2010a).

Appendix Table 3. Projections of Edentulism Prevalence in 2020 and 2050 among U.S. Adults Aged ≥ 15 Yr

Age, yr	2020 Projections			2050 Projections		
	Population, n ^a	Edentulous, % ^b	Edentulous, n ^c	Population, n ^a	Edentulous, % ^b	Edentulous, n ^c
15-19	20,806	0.0 (0.0, 0.0)	0 (0, 0)	23,642	0.0 (0.0, 0.0)	0 (0, 0)
20-24	21,651	0.1 (0.0, 0.2)	17 (0, 41)	24,463	0.1 (0.0, 0.2)	19 (0, 46)
25-29	23,366	0.5 (0.4, 0.7)	125 (93, 153)	25,493	0.5 (0.4, 0.7)	136 (102, 167)
30-34	22,906	1.0 (0.8, 1.2)	226 (179, 272)	25,949	1.0 (0.8, 1.2)	256 (203, 308)
35-39	21,869	1.4 (1.1, 1.7)	315 (251, 380)	25,513	1.4 (1.1, 1.7)	368 (292, 444)
40-44	20,361	1.9 (1.5, 2.3)	386 (306, 468)	24,655	1.9 (1.5, 2.3)	467 (370, 566)
45-49	20,008	2.3 (1.8, 2.8)	470 (370, 570)	24,262	2.3 (1.9, 2.8)	570 (449, 691)
50-54	20,467	2.8 (2.2, 3.4)	575 (452, 697)	23,866	2.8 (2.2, 3.4)	670 (527, 812)
55-59	21,747	3.3 (2.6, 4.0)	709 (556, 861)	24,094	3.3 (2.6, 4.0)	785 (616, 954)
60-64	21,017	3.7 (2.9, 4.5)	781 (609, 949)	22,348	3.7 (2.9, 4.5)	830 (648, 1,009)
65-69	18,052	8.7 (7.3, 10.1)	1,579 (1,313, 1,829)	20,144	4.2 (3.2, 5.1)	839 (654, 1,022)
70-74	14,744	9.7 (8.0, 11.2)	1,425 (1,184, 1,655)	17,410	4.6 (3.6, 5.6)	804 (626, 981)
75-79	10,010	20.2 (18.1, 22.3)	2,021 (1,816, 2,234)	15,243	5.1 (3.9, 6.2)	773 (601, 945)
80-84	6,470	21.9 (19.6, 24.2)	1,414 (1,269, 1,564)	12,963	5.5 (4.3, 6.8)	716 (555, 877)
85-89	3,934	32.1 (29.5, 34.5)	1,264 (1,162, 1,357)	9,958	6.0 (4.6, 7.3)	596 (461, 730)
90-94	2,008	34.6 (31.8, 37.2)	694 (638, 746)	5,594	6.4 (5.0, 7.9)	360 (278, 442)
95-99	645	44.2 (40.0, 48.5)	285 (258, 313)	1,985	14.3 (11.8, 16.7)	284 (234, 331)
³ 100	106	47.2 (42.5, 51.9)	50 (45, 55)	442	15.2 (12.4, 17.9)	67 (55, 79)
All ≥ 15 yr	270,167	4.6 (4.2, 4.9)	12,346 (11,374, 13,354)	328,024	2.6 (2.1, 3.1)	8,561 (6,816, 10,295)

^aNumber of people in population, in thousands. From U.S. Census Bureau Population Division (2012).

^bPrediction limits (95%) from Monte-Carlo sensitivity analysis in parentheses.

^cNumber of edentulous people, in thousands (95% prediction limits in parentheses).