

Changes in tooth loss and prosthetic treatment over a 9-year period: results of the 6th German Oral Health Study (DMS • 6). Online Appendix

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ABSTRACT

Objectives: This longitudinal study used data from the 6th German Oral Health Study (DMS • 6) to determine the incidence of tooth loss and prosthetic treatment over a 9-year period in participants from the DMS • 6 cohort who were examined in 2014 (baseline) and reexamined in 2023 (follow-up).

Method and materials: The sample comprised 342 adults (43- to 52-year-olds at follow-up) and 373 seniors (73- to 82-year-olds at follow-up) who met the inclusion criteria for the DMS • 6 analysis set and for whom complete information on prosthetic treatments was available were included. The prevalence, extent, and incidence of tooth loss and prosthetic treatment were compared between baseline and follow-up.

Results: Over the 9-year observation period, the cumulative incidence of tooth loss among seniors was twice that among adults. The level of education influenced tooth loss: seniors with > 10 years of schooling remained unchanged, whereas those with ≤ 10 years exhibited an increase. The cumulative incidence of edentulism was 3.2% among seniors, and no adult was edentulous at any timepoint. Among adults, the prevalence of full dentition decreased from 44.0% at baseline to 37.6% at follow-up. The proportion of fixed-denture treatments increased by 11.1 percentage points in adults and decreased by 2.8 percentage points in seniors. However, the prevalence of implants increased in both cohorts. The incidence rates (per 100 person-years) of tooth loss indicate an accelerated loss rate in seniors (seniors: 10.0 vs adults: 4.1). The incidence of new implants was similar among adults and seniors (incidence rates: 1.1 and 1.4 per 100 person-years, respectively).

Conclusion: The cumulative incidence of edentulism among seniors was low, and the increase in the frequency of implant treatment appeared to effectively compensate for tooth loss, with comparable rates in both age cohorts. School education had a pronounced impact on oral health and the need for prosthetic treatment.

KEYWORDS: cohort studies, dental care, dental health survey, dental implant, dental prosthesis, dentists, DMS 6, edentulism, epidemiology, Germany, incidence, oral health, tooth loss

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Appendix 1

Table A1: Extent of missing teeth, tooth replacement and prosthetic care at baseline (2014) and follow-up (2023) in the adult and senior cohorts, by gender

	Adults				Seniors			
	Male		Female		Male		Female	
	as 35- to 44-year-olds (baseline)	as 43- to 52-year-olds (follow-up)	as 35- to 44-year-olds (baseline)	as 43- to 52-year-olds (follow-up)	as 65- to 74-year-olds (baseline)	as 73- to 82-year-olds (follow-up)	as 65- to 74-year-olds (baseline)	as 73- to 82-year-olds (follow-up)
No. of participants (n)	159		183		177		196	
Full dentition (base 28 teeth, prevalence)	46.2% (35.8; 57.0)	36.5% (27.1; 47.0)	41.4% (32.6; 50.9)	38.9% (30.3; 48.2)	2.6% (1.3; 5.1)	1.7% (0.8; 3.9)	4.2% (2.3; 7.6)	3.4% (1.7; 6.8)
Edentulism (base 32 teeth, prevalence)								
Maxilla only	0.0% (NA)	0.0% (NA)	0.0% (NA)	0.0% (NA)	16.1% (10.4; 24.3)	19.4% (13.1; 27.9)	21.9% (15.0; 30.9)	22.0% (15.2; 30.7)
Mandible only	0.0% (NA)	0.0% (NA)	0.0% (NA)	0.0% (NA)	10.2% (5.4; 18.3)	11.9% (6.7; 20.3)	11.4% (6.5; 19.1)	13.7% (8.3; 21.9)
Total	0.0% (NA)	0.0% (NA)	0.0% (NA)	0.0% (NA)	8.4% (4.3; 15.8)	10.2% (5.6; 17.9)	10.9% (6.1; 18.6)	11.8% (6.8; 19.8)
No. of missing teeth (base 28 teeth)	1.8 (1.2; 2.4)	2.5 (1.8; 3.3)	1.9 (1.4; 2.4)	2.3 (1.7; 2.9)	10.4 (8.9; 11.9)	12.3 (10.7; 13.9)	10.7 (9.1; 12.4)	12.4 (10.8; 14.1)
Not replaced	1.2 (0.7; 1.6)	1.4 (0.9; 2.0)	1.2 (0.9; 1.5)	1.3 (1.0; 1.6)	1.7 (1.4; 2.1)	1.9 (1.4; 2.3)	1.3 (1.0; 1.5)	1.8 (1.4; 2.2)
Replaced by pontics	0.3 (0.1; 0.5)	0.5 (0.2; 0.8)	0.5 (0.3; 0.8)	0.6 (0.3; 0.9)	1.7 (1.4; 2.1)	1.6 (1.2; 1.9)	2.0 (1.6; 2.4)	1.8 (1.4; 2.2)
Replaced by removable dentures	0.1 (0.0; 0.4)	0.5 (0.0; 1.1)	0.0 (0.0; 0.0)	0.1 (0.0; 0.3)	6.5 (4.7; 8.3)	8.4 (6.5; 10.3)	7.3 (5.4; 9.2)	8.3 (6.5; 10.2)
Replaced by implants	0.1 (0.0; 0.4)	0.1 (0.0; 0.2)	0.1 (0.0; 0.3)	0.3 (0.1; 0.5)	0.4 (0.2; 0.6)	0.5 (0.2; 0.7)	0.1 (0.1; 0.2)	0.5 (0.3; 0.7)

	Adults				Seniors			
	Male		Female		Male		Female	
	as 35- to 44-year-olds (baseline)	as 43- to 52-year-olds (follow-up)	as 35- to 44-year-olds (baseline)	as 43- to 52-year-olds (follow-up)	as 65- to 74-year-olds (baseline)	as 73- to 82-year-olds (follow-up)	as 65- to 74-year-olds (baseline)	as 73- to 82-year-olds (follow-up)
Percentage of missing teeth that have been replaced (%)	24.0 (12.5; 35.4)	34.3 (22.7; 46.0)	33.1 (24.5; 41.7)	40.5 (32.3; 48.6)	67.4 (60.9; 73.9)	71.9 (66.3; 77.5)	76.4 (71.7; 81.1)	76.4 (72.0; 80.8)
Primary prosthetic treatment (prevalence)								
Fully dentate without gaps and without dentures	28.6% (20.6; 38.2)	20.1% (13.5; 28.9)	27.8% (20.5; 36.6)	20.7% (14.4; 28.9)	0.8% (0.2; 2.4)	0.5% (0.1; 2.0)	0.8% (0.2; 2.4)	0.8% (0.2; 2.4)
≥1 untreated untreated gap without dentures	19.0% (11.0; 30.9)	16.9% (9.6; 28.1)	13.5% (8.6; 20.6)	6.9% (3.8; 12.2)	9.5% (5.6; 15.5)	5.7% (2.8; 11.2)	2.0% (0.7; 5.8)	1.8% (0.5; 5.8)
≥1 crown restoration	32.8% (23.8; 43.3)	32.7% (23.5; 43.4)	29.0% (21.6; 37.7)	33.6% (25.7; 42.6)	10.7% (6.7; 16.6)	6.5% (3.8; 10.9)	7.1% (4.4; 11.3)	6.6% (3.8; 11.1)
≥1 fixed denture (i.e., bridge/implant)	14.5% (7.8; 25.3)	25.2% (16.7; 36.0)	29.4% (20.0; 41.0)	36.5% (26.8; 47.5)	36.0% (28.3; 44.6)	37.2% (29.4; 45.6)	45.0% (37.0; 53.3)	40.6% (32.9; 48.8)
≥1 removable partial denture	5.1% (1.4; 16.9)	5.1% (1.4; 16.9)	0.3% (0.0; 1.8)	2.3% (0.6; 8.2)	27.3% (20.1; 36.1)	32.2% (24.2; 41.3)	25.0% (18.8; 32.5)	28.8% (21.7; 37.0)
≥ 1 complete denture	0.0% (NA)	0.0% (NA)	0.0% (NA)	0.0% (NA)	15.8% (9.8; 24.4)	18.0% (11.9; 26.4)	20.1% (13.3; 29.2)	21.5% (14.9; 30.0)
Fixed dentures (prevalence)								
Natural-tooth-supported	52.4% (41.5; 63.1)	62.6% (51.6; 72.4)	58.4% (48.9; 67.4)	70.6% (61.8; 78.1)	71.7% (62.9; 79.1)	67.5% (58.4; 75.5)	73.9% (65.1; 81.1)	72.4% (63.7; 79.6)
Partial crowns/inlays	3.3% (1.2; 9.0)	27.2% (18.5; 38.1)	13.0% (7.5; 21.5)	24.1% (17.2; 32.8)	6.1% (3.2; 11.2)	10.3% (6.6; 15.7)	6.9% (3.8; 12.2)	13.2% (8.8; 19.1)
Full crowns	40.9% (30.7; 52.0)	52.5% (41.6; 63.3)	46.4% (36.9; 56.3)	55.2% (45.5; 64.6)	59.0% (50.2; 67.4)	61.7% (52.7; 70.0)	60.5% (51.9; 68.6)	65.6% (56.9; 73.4)
Bridges	16.8% (9.5; 27.8)	18.9% (11.5; 29.5)	29.4% (20.0; 41.0)	27.6% (18.9; 38.5)	50.6% (41.9; 59.3)	50.8% (42.1; 59.5)	60.1% (51.6; 68.0)	57.0% (48.5; 65.0)

	Adults				Seniors			
	Male		Female		Male		Female	
	as 35- to 44-year-olds (baseline)	as 43- to 52-year-olds (follow-up)	as 35- to 44-year-olds (baseline)	as 43- to 52-year-olds (follow-up)	as 65- to 74-year-olds (baseline)	as 73- to 82-year-olds (follow-up)	as 65- to 74-year-olds (baseline)	as 73- to 82-year-olds (follow-up)
Removable dentures (prevalence)	Due to the small number of cases, the values are not provided				43.1% (34.5; 52.1)	50.2% (41.5; 58.8)	45.1% (36.9; 53.6)	50.3% (42.0; 58.5)
Acrylic partial denture					4.1% (1.8; 9.4)	2.5% (0.6; 9.8)	3.2% (1.4; 7.1)	2.8% (1.0; 7.8)
Cast framework partial denture					9.2% (5.0; 16.3)	8.7% (4.8; 15.2)	14.2% (9.4; 21.0)	11.4% (7.3; 17.3)
Combined fixed-removable denture					26.7% (19.3; 35.7)	29.9% (22.1; 39.0)	21.6% (15.3; 29.6)	27.7% (20.6; 36.2)
Hybrid denture					0.0% (0.0; 0.0)	0.0% (0.0; 0.0)	0.4% (0.1; 2.7)	0.9% (0.2; 3.5)
Complete denture					15.8% (9.8; 24.4)	18.0% (11.9; 26.4)	20.1% (13.3; 29.2)	21.5% (14.9; 30.0)
Implants (prevalence)	3.8% (0.9; 15.2)	8.4% (4.3; 15.9)	5.3% (2.4; 11.5)	16.2% (9.5; 26.3)	11.0% (6.6; 17.8)	14.6% (9.7; 21.4)	7.6% (4.4; 12.8)	19.6% (13.9; 26.8)
With fixed dentures	1.0% (0.3; 3.5)	8.4% (4.3; 15.9)	5.0% (2.2; 11.3)	16.2% (9.5; 26.3)	10.2% (5.9; 16.8)	13.8% (9.1; 20.4)	7.3% (4.2; 12.5)	15.2% (10.4; 21.8)
With removable dentures	2.8% (0.4; 17.3)	0.0% (0.0; 0.0)	0.3% (0.0; 1.8)	0.0% (0.0; 0.0)	0.8% (0.1; 5.6)	1.1% (0.2; 5.0)	0.3% (0.0; 2.3)	4.6% (2.0; 10.2)
Number of implants	3.6 (2.8; 4.3)	1.7 (1.1; 2.3)	2.6 (0.4; 4.8)	1.9 (1.0; 2.7)	3.4 (2.3; 4.5)	3.2 (2.3; 4.1)	1.9 (1.4; 2.5)	2.5 (1.9; 3.1)

Data are presented as unweighted numbers (n) and weighted percentages or weighted means (with 95% confidence intervals).

Appendix 2

Table A2.1: Extent of missing teeth, tooth replacement and prosthetic care at baseline (2014) and follow-up (2023) in the adult cohort, by school education

	Adults			
	School education ≤ 10 Jahre		School education > 10 Jahre	
	as 35- to 44- year-olds (baseline)	as 43- to 52- year-olds (follow-up)	as 35- to 44- year-olds (baseline)	as 43- to 52- year-olds (follow-up)
No. of participants (n)	182		160	
Full dentition (base 28 teeth, prevalence)	35.3% (26.6; 45.1)	29.8% (21.8; 39.3)	58.9% (48.7; 68.5)	51.1% (41.3; 60.8)
Edentulism (base 32 teeth, prevalence)				
Maxilla only	0.0% (NA)	0.0% (NA)	0.0% (NA)	0.0% (NA)
Mandible only	0.0% (NA)	0.0% (NA)	0.0% (NA)	0.0% (NA)
Total	0.0% (NA)	0.0% (NA)	0.0% (NA)	0.0% (NA)
No. of missing teeth (base 28 teeth)	2.2 (1.7; 2.7)	3.0 (2.3; 3.7)	1.2 (0.6; 1.8)	1.5 (0.9; 2.0)
Not replaced	1.4 (1.0; 1.7)	1.6 (1.1; 2.1)	0.9 (0.6; 1.2)	0.9 (0.6; 1.2)
Replaced by pontics	0.6 (0.3; 0.8)	0.7 (0.4; 1.0)	0.2 (0.0; 0.5)	0.3 (0.0; 0.7)
Replaced by removable dentures	0.1 (0.0; 0.3)	0.5 (0.0; 1.0)	0.0 (0.0; 0.0)	0.0 (0.0; 0.0)
Replaced by implants	0.2 (0.0; 0.4)	0.2 (0.1; 0.4)	0.1 (0.0; 0.1)	0.2 (0.1; 0.3)
Percentage of missing teeth that have been replaced (%)	30.6 (21.5; 39.8)	37.9 (28.4; 47.4)	22.3 (11.1; 33.6)	35.1 (24.5; 45.6)
Primary prosthetic treatment (prevalence)				
Fully dentate without gaps and without dentures	20.9% (14.4; 29.4)	15.1% (9.7; 22.7)	40.9% (31.9; 50.5)	29.5% (21.7; 38.9)
≥1 untreated untreated gap without dentures	19.0% (11.7; 29.5)	15.4% (9.0; 25.3)	12.0% (7.5; 18.6)	6.7% (3.7; 11.8)
≥1 crown restoration	28.1% (20.4; 37.3)	30.0% (21.9; 39.7)	36.2% (27.3; 46.1)	38.4% (29.6; 48.1)
≥1 fixed denture (i.e., bridge/implant)	27.4% (18.8; 38.2)	33.4% (24.2; 44.1)	11.0% (5.1; 22.0)	25.3% (16.9; 36.0)
≥1 removable partial denture	4.5% (1.3; 14.4)	6.0% (2.2; 15.2)	0.0% (NA)	0.0% (NA)
≥ 1 complete denture	0.0% (NA)	0.0% (NA)	0.0% (NA)	0.0% (NA)

	Adults			
	School education ≤ 10 Jahre		School education > 10 Jahre	
	as 35- to 44- year-olds (baseline)	as 43- to 52- year-olds (follow-up)	as 35- to 44- year-olds (baseline)	as 43- to 52- year-olds (follow-up)
Fixed dentures (prevalence)				
natural-tooth-supported	59.9% (49.5; 69.4)	68.8% (58.6; 77.3)	47.2% (37.5; 57.0)	62.0% (52.5; 70.7)
Partial crowns/inlays	4.7% (2.0; 10.8)	22.2% (14.7; 32.1)	13.2% (7.4; 22.3)	32.0% (23.7; 41.5)
Full crowns	47.9% (37.8; 58.1)	59.3% (48.8; 69.0)	35.9% (27.2; 45.7)	44.2% (34.8; 54.1)
Bridges	29.4% (20.5; 40.2)	28.2% (19.8; 38.5)	11.0% (5.1; 22.0)	13.9% (7.4; 24.5)
Removable dentures (prevalence)	Due to the small number of cases, the values are not provided			
Acrylic partial denture				
Cast framework partial denture				
Combined fixed-removable denture				
Hybrid denture				
Complete denture				
Implants (prevalence)	4.9% (1.7; 13.5)	10.5% (5.5; 19.1)	3.8% (1.5; 9.6)	14.7% (8.8; 23.6)
With fixed dentures	2.3% (0.8; 6.7)	10.5% (5.5; 19.1)	3.8% (1.5; 9.6)	14.7% (8.8; 23.6)
With removable dentures	2.6% (0.4; 14.3)	0.0% (0.0; 0.0)	0.0% (0.0; 0.0)	0.0% (0.0; 0.0)
Number of implants	3.8 (2.5; 5.0)	2.2 (1.2; 3.1)	1.5 (0.7; 2.3)	1.4 (1.0; 1.7)

Data are presented as unweighted numbers (n) and weighted percentages or weighted means (with 95% confidence intervals).

Table A2.2: Extent of missing teeth, tooth replacement and prosthetic care at baseline (2014) and follow-up (2023) in the senior cohort, by school education

	Seniors					
	School education ≤ 10 Jahre		School education = 10 Jahre		School education > 10 Jahre	
	as 65- to 74- year-olds (baseline)	as 73- to 82-year- olds (follow-up)	as 65- to 74- year-olds (baseline)	as 73- to 82- year-olds (follow-up)	as 65- to 74- year-olds (baseline)	as 73- to 82- year-olds (follow-up)
No. of participants (n)	149		103		102	
Full dentition (base 28 teeth, prevalence)	0.0% (0.0; 0.0)	0.0% (0.0; 0.0)	6.8% (3.1; 14.3)	5.5% (2.2; 13.1)	9.9% (5.6; 16.7)	6.8% (3.5; 12.9)
Edentulism (base 32 teeth, prevalence)						
Maxilla only	22.8% (15.8; 31.6)	24.5% (17.4; 33.2)	12.8% (6.0; 25.2)	15.0% (7.4; 28.0)	12.5% (6.5; 22.8)	13.9% (7.5; 24.3)
Mandible only	12.6% (7.5; 20.3)	15.3% (9.7; 23.5)	9.1% (3.4; 22.1)	10.4% (4.0; 24.3)	5.6% (1.8; 16.1)	5.6% (1.8; 16.1)
Total	11.1% (6.5; 18.3)	12.2% (7.3; 19.7)	7.7% (2.5; 21.2)	10.4% (4.0; 24.3)	5.6% (1.8; 16.1)	5.6% (1.8; 16.1)
No. of missing teeth (base 28 teeth)	11.9 (10.2; 13.5)	13.9 (12.3; 15.5)	9.0 (6.7; 11.4)	10.5 (8.2; 12.8)	8.3 (6.6; 10.0)	9.8 (8.0; 11.6)
Not replaced	1.5 (1.2; 1.9)	1.8 (1.4; 2.3)	1.4 (1.0; 1.9)	1.8 (1.3; 2.4)	1.3 (1.0; 1.7)	1.6 (1.2; 2.0)
Replaced by pontics	2.0 (1.6; 2.4)	1.7 (1.3; 2.1)	1.5 (1.1; 1.9)	1.6 (1.2; 2.0)	2.1 (1.4; 2.7)	1.9 (1.2; 2.5)
Replaced by removable dentures	8.0 (6.1; 9.9)	9.9 (8.0; 11.8)	5.8 (3.2; 8.4)	6.6 (3.9; 9.3)	4.6 (2.7; 6.5)	5.8 (3.7; 7.9)
Replaced by implants	0.3 (0.1; 0.5)	0.4 (0.2; 0.7)	0.2 (0.1; 0.4)	0.5 (0.3; 0.7)	0.3 (0.1; 0.5)	0.6 (0.2; 0.9)

	Seniors					
	School education ≤ 10 Jahre		School education = 10 Jahre		School education > 10 Jahre	
	as 65- to 74- year-olds (baseline)	as 73- to 82-year- olds (follow-up)	as 65- to 74- year-olds (baseline)	as 73- to 82- year-olds (follow-up)	as 65- to 74- year-olds (baseline)	as 73- to 82- year-olds (follow-up)
Percentage of missing teeth that have been replaced (%)	74.7 (69.2; 80.1)	77.9 (73.3; 82.6)	70.0 (61.9; 78.0)	70.1 (62.9; 77.4)	68.0 (59.4; 76.7)	68.5 (60.0; 77.0)
Primary prosthetic treatment (prevalence)						
Fully dentate without gaps and without dentures	0.0% (0.0; 0.0)	0.0% (0.0; 0.0)	1.3% (0.3; 5.0)	1.3% (0.3; 5.0)	2.8% (1.0; 7.3)	2.1% (0.7; 6.3)
≥1 untreated untreated gap without dentures	5.8% (2.9; 11.3)	3.7% (1.4; 8.9)	6.3% (2.6; 14.2)	4.4% (1.4; 12.9)	6.2% (3.0; 12.1)	4.0% (1.6; 9.6)
≥1 crown restoration	3.6% (1.5; 8.4)	2.0% (0.7; 5.3)	11.7% (6.7; 19.7)	8.0% (4.0; 15.4)	17.3% (10.7; 26.9)	17.9% (10.7; 28.3)
≥1 fixed denture (i.e., bridge/implant)	42.1% (33.8; 51.0)	35.4% (27.6; 44.0)	41.5% (31.2; 52.6)	49.2% (38.1; 60.3)	35.6% (26.0; 46.6)	36.2% (26.9; 46.6)
≥1 removable partial denture	25.9% (19.0; 34.1)	34.8% (26.8; 43.8)	28.7% (19.4; 40.2)	22.2% (14.4; 32.6)	28.7% (19.2; 40.5)	26.0% (16.5; 38.3)
≥ 1 complete denture	22.6% (15.5; 31.7)	24.2% (17.1; 32.9)	10.5% (4.4; 23.2)	15.0% (7.4; 28.0)	9.4% (4.2; 19.7)	13.9% (7.5; 24.3)
Fixed dentures (prevalence)						
Natural-tooth-supported	68.5% (59.5; 76.3)	65.3% (56.2; 73.4)	75.8% (63.6; 84.9)	74.8% (62.5; 84.1)	80.3% (70.3; 87.5)	78.0% (66.7; 86.3)
Partial crowns/inlays	6.4% (3.4; 11.8)	9.0% (5.3; 14.7)	4.7% (1.7; 12.3)	11.4% (6.3; 19.7)	9.5% (4.7; 18.0)	21.4% (14.0; 31.1)
Full crowns	57.3% (48.3; 65.8)	58.7% (49.7; 67.2)	62.2% (50.5; 72.5)	70.8% (58.7; 80.5)	62.9% (51.5; 73.0)	69.2% (57.6; 78.8)
Bridges	57.3% (48.3; 65.8)	55.3% (46.4; 63.9)	50.4% (39.3; 61.5)	51.9% (40.7; 63.0)	55.0% (43.8; 65.6)	50.0% (39.0; 61.0)

	Seniors					
	School education ≤ 10 Jahre		School education = 10 Jahre		School education > 10 Jahre	
	as 65- to 74- year-olds (baseline)	as 73- to 82-year- olds (follow-up)	as 65- to 74- year-olds (baseline)	as 73- to 82- year-olds (follow-up)	as 65- to 74- year-olds (baseline)	as 73- to 82- year-olds (follow-up)
Removable dentures (prevalence)	48.5% (39.7; 57.3)	59.0% (50.2; 67.2)	39.2% (28.4; 51.1)	37.2% (26.7; 49.1)	38.1% (27.6; 49.9)	39.8% (29.0; 51.7)
Acrylic partial denture	3.8% (1.7; 8.2)	2.6% (0.8; 8.5)	3.3% (0.6; 15.3)	0.6% (0.1; 4.3)	3.5% (1.1; 10.5)	5.5% (1.5; 18.6)
Cast framework partial denture	13.2% (8.3; 20.3)	10.3% (6.2; 16.6)	12.6% (6.8; 22.2)	10.4% (5.6; 18.4)	8.7% (3.6; 19.6)	10.6% (5.0; 21.4)
Combined fixed-removable denture	26.7% (19.4; 35.5)	36.6% (28.4; 45.6)	21.8% (13.6; 33.1)	17.0% (10.0; 27.2)	19.6% (11.9; 30.6)	17.8% (10.6; 28.1)
Hybrid denture	0.0% (0.0; 0.0)	0.4% (0.1; 3.1)	1.0% (0.1; 6.9)	1.0% (0.1; 6.9)	0.0% (0.0; 0.0)	0.0% (0.0; 0.0)
Complete denture	22.6% (15.5; 31.7)	24.2% (17.1; 32.9)	10.5% (4.4; 23.2)	15.0% (7.4; 28.0)	9.4% (4.2; 19.7)	13.9% (7.5; 24.3)
Implants (prevalence)	9.2% (5.3; 15.6)	14.6% (9.6; 21.7)	10.7% (6.2; 17.9)	19.3% (12.7; 28.1)	10.3% (4.8; 20.9)	21.1% (13.3; 32.0)
With fixed dentures	8.5% (4.7; 14.8)	12.3% (7.6; 19.1)	9.9% (5.6; 16.8)	18.4% (12.0; 27.1)	10.3% (4.8; 20.9)	20.4% (12.6; 31.2)
With removable dentures	0.7% (0.1; 4.8)	2.6% (1.0; 6.5)	0.8% (0.1; 5.8)	1.5% (0.4; 6.0)	0.0% (0.0; 0.0)	0.8% (0.1; 5.3)
Number of implants	3.2 (2.0; 4.3)	3.0 (2.1; 3.8)	2.0 (1.4; 2.7)	2.4 (1.8; 2.9)	2.6 (1.1; 4.2)	2.6 (1.6; 3.7)

Data are presented as unweighted numbers (n) and weighted percentages or weighted means (with 95% confidence intervals).

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