

**Patient preferences subgroup: Females (N=155)**

Attributes and Levels	Coefficient <sup>a</sup> (95% CI)	Standard deviation (p-value of SD)	p-value
<b>Tooth loss within next 10 years</b>			
No tooth loss (reference)			
1 tooth lost	-1.873 (-2.240; -1.507)	0.029 (0.987)	<0.001
2 teeth lost	-5.014 (-5.963;-4.065)	2.0133 (<0.0001)	<0.001
<b>Own costs for treatment, follow-up care and re-treatment per year</b>			
per 1 € <sup>b</sup>	-0.007 (-0.003; -0.027)	0.303 (<0.001)	<0.001
<b>Complaints &amp; symptoms</b>			
no complaints (reference)			
occasional gum bleeding	-0.193 (-0.231; 0.618)	0.5953 (0.038)	0.372
“long teeth” due to gum recession	-1.416 (-1.879; -0.952)	1.0506 (<0.001)	<0.001
sensitive tooth necks	-0.449 (-0.835; -0.063)	0.4336 (0.227)	0.022
<b>Frequency of periodontist visits</b>			
none necessary (reference)			
2 x per year	0.311 (0.011; 0.612)	0.063 (0.946)	0.042
4 x per year	-0.126 (-0.174; 0.426)	0.486 (0.052)	0.411

<sup>a</sup>Expected values of random coefficients

<sup>b</sup>lognormal coefficient was transformed into expected value of median by ( $e^{\mu}$ ). The standard deviation

was calculated using the following formula:  $\sqrt{e^{2\mu+\sigma^2} * (e^{\sigma^2} - 1)}$

Number of observations. ie answered choice sets: 1848; missing answers for choice sets: 12;  
SD= Standard deviation; CI=Confidence Interval; Pseudo-R<sup>2</sup>: 0.4549, log likelihood: -698.24, Akaike  
Information Criterion: 1428.5

**Patient preferences subgroup: Males (N=104)**

Attributes and Levels	Coefficient <sup>a</sup> (95% CI)	Standard deviation (p-value of SD)	p-value
<b>Tooth loss within next 10 years</b>			
No tooth loss (reference)			
1 tooth lost	-2.074 (-2.643; -1.506)	0.018 (0.989)	<0.001
2 teeth lost	-4.522 (-5.166; -3.878)	0.2818 (<0.001)	<0.001
<b>Own costs for treatment, follow-up care and re-treatment per year</b>			
per 1 € <sup>b</sup>	-0.0095 (-0.001; -0.013)	0.204 (<0.001)	<0.001
<b>Complaints &amp; symptoms</b>			
no complaints (reference)			
occasional gum bleeding	-0.005 (-0.338; 0.329)	0.258 (0.031)	0.979
“long teeth” due to gum recession	-1.356 (-1.683; -1.030)	0.200 (<0.001)	<0.001
sensitive tooth necks	-0.551 (-0.853; -0.250)	1.371 (0.988)	0.0003
<b>Frequency of periodontist visits</b>			
none necessary (reference)			
2 x per year	0.253 (-0.015; 0.492)	0.478 (0.840)	0.037
4 x per year	-0.008 (-0.257; 0.241)	0.230 (0.016)	0.949

<sup>a</sup>Expected values of random coefficients

<sup>b</sup>lognormal coefficient was transformed into expected value of median by  $(\exp(\mu))$ . The standard

deviation was calculated using the following formula:  $\sqrt{\exp^{2\mu+\sigma^2} * (\exp^{\sigma^2} - 1)}$

Number of observations. i.e. answered choice sets: 1240; missing answers for choice sets: 8;  
SD= Standard deviation; CI=Confidence Interval; Pseudo-R<sup>2</sup>: 0.4335, log likelihood: -486.93, Akaike  
Information Criterion: 1005.9

**Patient preferences subgroup: Patients 51 years and older (N=181)**

Attributes and Levels	Coefficient <sup>a</sup> (95% CI)	Standard deviation (p-value of SD)	p-value
<b>Tooth loss within next 10 years</b>			
No tooth loss (reference)			
1 tooth lost	-1.762 (-2.051; -1.473)	1.729 (0.988)	<0.001
2 teeth lost	-4.522 (-5.166; -3.878)	0.2818 (<0.001)	<0.001
<b>Own costs for treatment, follow-up care and re-treatment per year</b>			
per 1 € <sup>b</sup>	-0.008 (-0.003; -0.024)	0.326 (<0.001)	<0.001
<b>Complaints &amp; symptoms</b>			
no complaints (reference)			
occasional gum bleeding	-0.005 (-0.338; 0.329)	0.258 (0.031)	0.979
“long teeth” due to gum recession	-1.356 (-1.683; -1.030)	0.200 (0.0002)	<0.001
sensitive tooth necks	-0.551 (-0.853; -0.250)	1.371 (0.988)	<0.001
<b>Frequency of periodontist visits</b>			
none necessary (reference)			
2 x per year	0.253 (-0.015; 0.492)	0.478 (0.840)	0.037
4 x per year	-0.008 (-0.257; 0.241)	0.230 (0.016)	0.949

<sup>a</sup>Expected values of random coefficients

<sup>b</sup>lognormal coefficient was transformed into expected value of median by (exp(μ)). The standard

deviation was calculated using the following formula:  $\sqrt{\exp^{2\mu+\sigma^2} * (\exp^{\sigma^2} - 1)}$

Number of observations. i.e. answered choice sets: 2157; missing answers for choice sets: 15;  
SD= Standard deviation; CI=Confidence Interval; Pseudo-R<sup>2</sup>: 0.4175, log likelihood: -870.96, Akaike  
Information Criterion: 1773.9

**Patient preferences subgroup: Patients 50 years or younger (N=78)**

Attributes and Levels	Coefficient <sup>a</sup> (95% CI)	Standard deviation (p-value of SD)	p-value
<b>Tooth loss within next 10 years</b>			
No tooth loss (reference)			
1 tooth lost	-2.796 (-3.816; -1.777)	1.922 (0.963)	<0.001
2 teeth lost	-7.404 (-10.066; -4.742)	1.352 (0.028)	<0.001
<b>Own costs for treatment, follow-up care and re-treatment per year</b>			
per 1 € <sup>b</sup>	-0.008 (-0.001; -0.063)	0.184 (<0.002)	<0.001
<b>Complaints &amp; symptoms</b>			
no complaints (reference)			
occasional gum bleeding	-0.311 (-1.330; 0.707)	1.485 (0.910)	0.549
“long teeth” due to gum recession	-2.387 (-3.889; -0.886)	0.363 (0.001)	0.002
sensitive tooth necks	-1.262 (-2.200; -0.323)	0.569 (0.019)	0.008
<b>Frequency of periodontist visits</b>			
none necessary (reference)			
2 x per year	-0.027 (-0.601; 0.547)	3.125 (0.988)	0.927
4 x per year	-0.740 (-0.749; 0.601)	0.4921 (0.292)	0.830

<sup>a</sup>Expected values of random coefficients

<sup>b</sup>lognormal coefficient was transformed into expected value of median by  $(\exp(\mu))$ . The standard

deviation was calculated using the following formula:  $\sqrt{\exp^{2\mu+\sigma^2} * (\exp^{\sigma^2} - 1)}$

Number of observations. i.e. answered choice sets: 931; missing answers for choice sets: 5;

SD= Standard deviation; CI=Confidence Interval; Pseudo-R<sup>2</sup>: 0.5143, log likelihood: -313.41, Akaike Information Criterion: 658.8

**Patient preferences subgroup: Patients with academic or comparable education (N=135)**

Attributes and Levels	Coefficient <sup>a</sup> (95% CI)	Standard deviation (p-value of SD)	p-value
<b>Tooth loss within next 10 years</b>			
No tooth loss (reference)			
1 tooth lost	-2.300 (-2.841; -1.760)	0.673 (0.765)	<0.001
2 teeth lost	-6.153 (-7.503; -4.803)	0.612 (0.001)	<0.001
<b>Own costs for treatment, follow-up care and re-treatment per year</b>			
per 1 € <sup>b</sup>	-0.0045 (-0.0013; -0.0154)	0.074 (<0.0001)	<0.001
<b>Complaints &amp; symptoms</b>			
no complaints (reference)			
occasional gum bleeding	-0.161 (-0.697; 0.376)	1.229 (0.911)	0.557
“long teeth” due to gum recession	-1.673 (-2.251; -1.095)	0.291 (0.024)	<0.001
sensitive tooth necks	-0.862 (-1.38; -0.344)	3.143 (0.997)	0.001
<b>Frequency of periodontist visits</b>			
none necessary (reference)			
2 x per year	0.041 (-3.063; 3.146)	1.584 (0.979)	0.629
4 x per year	-0.349 (-0.700; 0.001)	0.478 (0.304)	0.051

<sup>a</sup>Expected values of random coefficients

<sup>b</sup>lognormal coefficient was transformed into expected value of median by  $(\exp(\mu))$ . The standard

deviation was calculated using the following formula:  $\sqrt{\exp^{2\mu+\sigma^2} * (\exp^{\sigma^2} - 1)}$

Number of observations. i.e. answered choice sets: 1612; missing answers for choice sets: 8;  
SD= Standard deviation; CI=Confidence Interval; Pseudo-R<sup>2</sup>: 0.5350, log likelihood: -519.54, Akaike  
Information Criterion: 1071.1

**Patient preferences subgroup: Patients with non-academic education (n=122)**

Attributes and Levels	Coefficient <sup>a</sup> (95% CI)	Standard deviation (p-value of SD)	p-value
<b>Tooth loss within next 10 years</b>			
No tooth loss (reference)			
1 tooth lost	-1.649 (-2.032; -1.266)	1.548 (0.995)	<0.001
2 teeth lost	-4.022 (-4.858; -3.187)	0.335 (<0.001)	<0.001
<b>Own costs for treatment, follow-up care and re-treatment per year</b>			
per 1 € <sup>b</sup>	-0.007 (-0.002; -0.024)	0.152 (<0.001)	<0.001
<b>Complaints &amp; symptoms</b>			
no complaints (reference)			
occasional gum bleeding	-0.078 (-0.463; 0.307)	0.429 (0.432)	0.691
“long teeth” due to gum recession	-1.490 (-1.944; -1.037)	0.244 (0.001)	<0.001
sensitive tooth necks	-0.535 (-0.925; -0.146)	0.250 (0.002)	0.007
<b>Frequency of periodontist visits</b>			
none necessary (reference)			
2 x per year	0.253 (-0.088; 0.593)	1.456 (0.995)	0.145
4 x per year	0.159 (-0.135; 0.452)	0.261 (0.051)	0.289

<sup>a</sup>Expected values of random coefficients

<sup>b</sup>lognormal coefficient was transformed into expected value of median by  $(\exp(\mu))$ . The standard

deviation was calculated using the following formula:  $\sqrt{\exp^{2\mu+\sigma^2} * (\exp^{\sigma^2} - 1)}$

Number of observations. i.e. answered choice sets: 1656; missing answers for choice sets: 10;  
SD= Standard deviation; CI=Confidence Interval; Pseudo-R<sup>2</sup>: 0.3633, log likelihood: -641.72, Akaike  
Information Criterion: 1315.4

**Patient preferences subgroup: Patients diagnosed 3 or more years ago (N=182)**

Attributes and Levels	Coefficient <sup>a</sup> (95% CI)	Standard deviation (p-value of SD)	p-value
<b>Tooth loss within next 10 years</b>			
No tooth loss (reference)			
1 tooth lost	-1.881 (-2.208; -1.555)	2.791 (0.999)	<0.001
2 teeth lost	-4.749 (-5.484; -4.0134)	0.315 (<0.001)	<0.001
<b>Own costs for treatment, follow-up care and re-treatment per year</b>			
per 1 € <sup>b</sup>	-0.013 (-0.006; -0.030)	0.517 (<0.001)	<0.001
<b>Complaints &amp; symptoms</b>			
no complaints (reference)			
occasional gum bleeding	-0.016 (-0.384; 0.351)	0.243 (0.014)	0.931
“long teeth” due to gum recession	-1.316 (-1.674; -0.959)	0.219 (0.002)	<0.001
sensitive tooth necks	-0.629 (-0.939; -0.319)	0.398 (0.517)	0.001
<b>Frequency of periodontist visits</b>			
none necessary (reference)			
2 x per year	0.240 (-0.037; 0.517)	2.147 (0.995)	0.089
4 x per year	0.048 (-0.201; 0.300)	0.219 (0.016)	0.706

<sup>a</sup>Expected values of random coefficients

<sup>b</sup>lognormal coefficient was transformed into expected value of median by  $(\exp(\mu))$ . The standard

deviation was calculated using the following formula:  $\sqrt{\exp^{2\mu+\sigma^2} * (\exp^{\sigma^2} - 1)}$

Number of observations. i.e. answered choice sets: 2169; missing answers for choice sets: 15;

SD= Standard deviation; CI=Confidence Interval; Pseudo-R<sup>2</sup>: 0.427, log likelihood: -861.57, Akaike Information Criterion: 1755.1

**Patient preferences subgroup: Patients diagnosed less than 3 years ago (N=70)**

Attributes and Levels	Coefficient <sup>a</sup> (95% CI)	Standard deviation (p-value of SD)	p-value
<b>Tooth loss within next 10 years</b>			
No tooth loss (reference)			
1 tooth lost	-2.354 (-3.432; -1.275)	2.288 (0.939)	<0.001
2 teeth lost	-6.078 (-7.967; -4.189)	0.801 (0.005)	<0.001
<b>Own costs for treatment, follow-up care and re-treatment per year</b>			
per 1 € <sup>b</sup>	-0.015 (-0.003; -0.079)	0.818 (<0.001)	<0.001
<b>Complaints &amp; symptoms</b>			
no complaints (reference)			
occasional gum bleeding	-0.193 (-1.018; 0.632)	1.136 (0.743)	0.646
“long teeth” due to gum recession	-2.081 (-3.205; -0.957)	0.422 (0.001)	<0.001
sensitive tooth necks	-0.693 (-1.371; -0.015)	0.586 (0.082)	0.045
<b>Frequency of periodontist visits</b>			
none necessary (reference)			
2 x per year	0.288 (-0.143; 0.720)	4.418 (0.976)	0.190
4 x per year	-0.211 (-0.838; 0.417)	1.017 (0.717)	0.511

<sup>a</sup>Expected values of random coefficients

<sup>b</sup>lognormal coefficient was transformed into expected value of median by  $(\exp(\mu))$ . The standard

deviation was calculated using the following formula:  $\sqrt{\exp^{2\mu+\sigma^2} * (\exp^{\sigma^2} - 1)}$

Number of observations. i.e. answered choice sets: 836; missing answers for choice sets: 4;

SD= Standard deviation; CI=Confidence Interval; Pseudo-R<sup>2</sup>: 0.4921, log likelihood: -294.31, Akaike Information Criterion: 620.6