

Supplementary Table 1. Site distribution of mouth & pharyngeal cancers in Estonia, 1996–2016

Site	1996–2002		2003–2009		2010–2016		Difference (95% CI) ^a	p-value
	No	%	No	%	No	%		
Total	836	100	828	100	1008	100		
Tongue	182	22	168	20	212	21	-1 (-5; 3)	p=0.700
Oral cavity	237	28	218	27	215	21	-7 (-11; -3)	p<0.001
Oropharynx	251	30	253	31	348	34	4 (0; 9)	p=0.040
Nasopharynx	27	3	41	5	39	4	1 (-1; 2)	p=0.462
Hypopharynx	121	14	134	16	187	19	5 (1; 7)	p=0.019
Other	18	2	14	2	7	1	-1 (-3; 0)	p=0.007

^a Comparing the first and last period

Supplementary Table 2. Morphology distribution of head & neck cancers in Estonia, 1996–2016

Site	1996–2002		2003–2009		2010–2016		Difference (95% CI) ^a	p-value
	No	%	No	%	No	%		
Mouth & pharynx								
Squamous cell carcinoma	739	88	717	87	899	89	1 (-2; 4)	p=0.592
Other or NOS	97	12	111	13	109	11	-1 (-4; 2)	p=0.592
Larynx								
Squamous cell carcinoma	492	90	428	91	429	94	4 (0; 7)	p=0.041
Other or NOS	54	10	43	9	29	6	-4 (-7; 0)	p=0.041
Thyroid								
Papillary	264	58	366	67	389	68	10 (4; 16)	p=0.001
Follicular	106	23	65	12	75	13	-10 (-15; -5)	p<0.001
Anaplastic	24	5	23	4	23	4	-1 (-4; 1)	p=0.334
Medullary	20	4	48	9	49	9	4 (1; 7)	p=0.008
Other or NOS	39	9	44	8	35	6	-2 (-6; 1)	p=0.128

^a Comparing the first and last period

Supplementary Table 3. Age-standardized five-year relative survival ratio (RSR) of head & neck cancers by stage and histology in Estonia, 2010–2016

Site	Stage I		Stage II		Stage III		Stage IV		Stage unknown		
	RSR	95% CI	RSR	95% CI	RSR	95% CI	RSR	95% CI	RSR	95% CI	
Mouth & pharynx	76	35–93	65	47–79	57	26–79	27	21–33	31	19–42	
Squamous cell carcinoma	84	41–97	65	46–78	59	27–80	28	21–34	38	22–54	
Larynx	79	60–90	80	56–92	62	40–78	31	23–40	48	26–68	
Squamous cell carcinoma	80	60–90	81	56–93	61	39–77	33	24–43	59	29–79	
Thyroid		100 ^a		100		100		61	50–71	92	75–98
Papillary		100 ^a		97	46–100	97	73–98	92	73–98	100	
Follicular ^b		100 ^a		100		100		60	21–88	61	15–93

^a stages I and II combined due to small numbers^b not age-standardized due to small numbers