

Report of Head and Neck Cancer Registry of Japan
Five-year Prognosis of Patients Registered in 2016

Japan Society for Head and Neck Cancer
Cancer Registry Committee

Primary tumor site	Number of patients	%
1) Oral cavity	2487	24.3
2) Nasal cavity, etc.	722	7.1
3) Nasopharynx	320	3.1
4) Oropharynx	1762	17.2
5) Hypopharynx	2229	21.8
6) Larynx	2131	20.8
7) Major salivary glands	578	5.7
Total	10229	100

Nasal cavity, etc.: nasal cavity and paranasal sinuses

	MFT to relapse (month; range)	MFT to death or last follow-up (month)	Death or last follow-up	in 2016	in 2017	in 2018	in 2019	in 2020	after 2021
1) Oral cavity	30.39 (0.03-93.3)	54.2		155(19.8%)	269(34.4%)	135(17.3%)	68(8.7%)	47(6.0%)	108(13.8%)
2) Nasal cavity, etc.	15.18 (0.03-90.14)	31.7		65(22.6%)	92(32.1%)	46(16.0%)	36(12.5%)	12(4.2%)	36(12.5%)
3) Nasopharynx	25.09(0.07-89.32)	56.1		19(19.4%)	29(29.6%)	12(12.2%)	15(15.3%)	8(8.2%)	15(15.3%)
4) Oropharynx	27.45(0.03-96.91)	48.7		104(17.5%)	181(30.5%)	107(18.0%)	66(11.1%)	41(6.9%)	94(15.9%)
5) Hypopharynx	18.63(0.03-95.01)	33.2		144(15.9%)	287(31.6%)	182(20.0%)	98(10.8%)	80(8.8%)	117(12.9%)
6) Larynx	38.67(0.03-94.65)	57.3		61(12.8%)	118(24.7%)	83(17.4%)	63(13.2%)	58(12.2%)	94(19.7%)
7) Major salivary glands	22.55(0.03-90.57)	42.2		27(16.6%)	46(28.2%)	33(20.2%)	22(13.5%)	7(4.3%)	28(17.2%)

Nasal cavity, etc.: nasal cavity and paranasal sinuses

*Abbreviation: MFT; Median follow-up time.

Relapse lesion	1) Oral cavity	2) Nasal cavity, etc.	3) Nasopharynx	4) Oropharynx	5) Hypopharynx	6) Larynx	7) Major salivary glands
	Number of Patients (Number of DOD)						
No	1631 (45)	360 (17)	199 (9)	1175 (35)	1400 (51)	1690 (17)	375 (9)
Local	218 (102)	111 (54)	17 (2)	142 (76)	167 (65)	170 (29)	30 (15)
Regional	256 (94)	34 (15)	19 (7)	126 (51)	177 (88)	82 (32)	17 (5)
Distant	110 (78)	57 (36)	36 (18)	124 (76)	204 (128)	79 (41)	94 (45)
Local+Regional	52 (26)	13 (6)	1 (0)	23 (10)	22 (13)	18 (12)	4 (3)
Local+Distant	14 (13)	12 (7)	5 (0)	8 (7)	14 (11)	2 (1)	5 (2)
Regional+Distant	30 (22)	13 (10)	2 (3)	11 (8)	37 (30)	14 (9)	11 (7)
Local+Regional+Distant	15 (12)	5 (3)	38 (2)	11 (6)	7 (6)	1 (1)	2 (1)
Undecidable	136 (85)	107 (61)	3 (23)	119 (77)	185 (127)	50 (22)	36 (20)
Unknown	25 (0)	10 (0)	0 (0)	23 (4)	16 (0)	25 (1)	4 (0)
Total	2487 (477)	722 (209)	320 (64)	1762 (350)	2229 (519)	2131 (165)	578 (107)

Nasal cavity, etc.: nasal cavity and paranasal sinuses

*Abbreviation: DOD; Death of Disease.

Disease stage	1) Oral cavity	2) Nasal cavity, etc.	3) Nasopharynx	4) Oropharynx	5) Hypopharynx	6) Larynx	7) Major salivary glands
	Median follow-up time to death or last follow-up (month)						
0	70.3	9.7	-	60.7	59.6	70.5	-
1	60.7	63.7	58.2	59.5	59.3	60.9	60.3
2	59.4	60.3	66.8	55.1	51.0	53.6	60.1
3	58.9	50.7	61.5	51.2	40.9	47.6	45.1
4a	28.7	25.8	34.7	55.1	26.2	29.9	27.0
4b	8.7	26.3	54.6	20.3	15.9	10.6	47.1
4c	6.1	6.1	10.1	9.2	7.7	6.2	13.9
Unknown	41.5	37.5	64.1	31.1	24.0	62.1	57.0

Nasal cavity, etc.: nasal cavity and paranasal sinuses

Number of metachronous multiple cancer by primary tumor site (pre- / post-primary cancer)

	No	Head and Neck	Esophagus	Lung	Stomach	Liver	Colon	Others	Unknown	No reported
1) Oral cavity	1319/1360	109/80	47/43	15/35	30/19	6/5	24/19	68/41	9/15	906/899
2) Nasal cavity, etc.	373/365	5/5	6/2	4/14	4/3	0/1	3/5	7/11	2/4	322/318
3) Nasopharynx	176/171	2/4	2/1	1/4	5/2	1/3	3/2	6/7	2/2	125/128
4) Oropharynx	795/823	81/77	89/54	15/36	35/15	5/7	24/13	22/28	7/11	755/727
5) Hypopharynx	894/1012	93/120	261/141	39/53	71/36	14/19	32/14	59/50	10/14	855/835
6) Larynx	1016/970	18/40	41/44	33/71	41/20	11/11	24/19	46/56	9/13	924/912
7) Major salivary glands	321/317	3/1	2/0	3/9	4/2	0/0	2/3	9/10	2/2	234/236

Nasal cavity, etc.: nasal cavity and paranasal sinuses

Number of clinical outcome by primary tumor site

	Survival (%)	Death of primary cancer (%)	Death of other cancer (%)	Death of other disease (%)	Death of unknown cause (%)	Unknown (%)	total (%)
1) Oral cavity	1705 (68.6)	477 (19.2)	49 (2.0)	79 (3.2)	35 (1.4)	142 (5.7)	2487 (100)
2) Nasal cavity, etc.	435 (60.2)	209 (28.9)	5 (0.7)	17 (2.4)	4 (0.6)	52 (7.2)	722 (100)
3) Nasopharynx	222 (69.4)	64 (20.0)	7 (2.2)	13 (4.1)	2 (0.6)	12 (3.8)	320 (100)
4) Oropharynx	1169 (66.3)	350 (19.9)	63 (3.6)	51 (2.9)	20 (1.1)	109 (6.2)	1762 (100)
5) Hypopharynx	1321 (59.3)	519 (23.3)	111 (5.0)	129 (5.8)	28 (1.3)	121 (5.4)	2229 (100)
6) Larynx	1654 (77.6)	165 (7.7)	71 (3.3)	97 (4.6)	27 (1.3)	117 (5.5)	2131 (100)
7) Major salivary glands	415 (71.8)	107 (18.5)	9 (1.6)	14 (2.4)	4 (0.7)	29 (5.0)	578 (100)

Nasal cavity, etc.: nasal cavity and paranasal sinuses