

Report of Head and Neck Cancer Registry of Japan
Five-year Prognosis of Patients Registered in 2013

Japan Society for Head and Neck Cancer
Cancer Registry Committee

Primary tumor site	Number of patients	%
1) Oral cavity	2074	27.9
2) Nasal cavity, etc.	518	7.0
3) Nasopharynx	232	3.1
4) Oropharynx	1138	15.3
5) Hypopharynx	1509	20.3
6) Larynx	1552	20.9
7) Major salivary glands	398	5.4
Total	7421	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 2013	in 2014	in 2015	in 2016	in 2017	after 2018
1) Oral cavity	18.22 (0.03-96.58)	42.3		108(17.4%)	232(37.5%)	98(15.8%)	57(9.2%)	37(6.0%)	87(14.1%)
2) Nasal cavity, etc.	14.03 (0.03-96.94)	21.3		38(18.8%)	77(38.1%)	28(13.9%)	21(10.4)	10(5.0%)	28(13.9%)
3) Nasopharynx	17.41(0.03-97.77)	32.6		11(13.9%)	23(29.1%)	11(13.9%)	6(7.6%)	9(11.4%)	19(24.1%)
4) Oropharynx	17.0(0.03-97.54)	26.0		100(24.9%)	124(30.9%)	59(14.7%)	38(9.5%)	27(6.7%)	53(13.2%)
5) Hypopharynx	14.62 (0.03-96.62)	24.9		119(19.3%)	199(32.4%)	124(20.2%)	63(10.2%)	40(6.5%)	70(11.4%)
6) Larynx	24.61 (0.03-96.94)	45.4		61(14.8%)	102(24.8%)	69(16.8%)	53(12.9%)	39(9.5%)	87(21.2%)
7) Major salivary glands	16.26(0.03-95.4)	25.3		24(18.9%)	34(26.8%)	28(22.0%)	13(10.2%)	8(6.3%)	20(15.7%)

Nasal cavity, etc.: nasal cavity and paranasal sinuses

*Abbreviation: MFT; Median follow-up time.

Relapse lesion	Number of Patients (Number of DOD)											
	1) Oral cavity	2) Nasal cavity, etc.	3) Nasopharynx	4) Oropharynx	5) Hypopharynx	6) Larynx	Major salivary glands					
No	1400 (18)	265 (4)	136 (4)	726 (18)	896 (20)	1186 (11)	239 (4)					
Local	178 (74)	93 (46)	18 (8)	79 (37)	125 (49)	115 (21)	26 (9)					
Regional	216 (82)	24 (6)	13 (4)	77 (24)	117 (60)	72 (30)	17 (7)					
Distant	82 (60)	35 (18)	24 (14)	57 (37)	136 (90)	72 (43)	66 (34)					
Local+Regional	32 (20)	3 (0)	0 (0)	7 (3)	22 (14)	6 (3)	3 (1)					
Local+Distant	10 (6)	7 (6)	2 (2)	5 (3)	12 (12)	3 (2)	3 (1)					
Regional+Distant	21 (18)	3 (3)	0 (0)	8 (5)	25 (19)	9 (7)	3 (3)					
Local+Regional+Distant	14 (10)	6 (3)	0 (0)	9 (6)	7 (5)	6 (5)	1 (0)					
Undecidable	94 (66)	70 (39)	32 (14)	143 (94)	142 (91)	67 (36)	35 (19)					
Unknown	27 (4)	12 (0)	7 (0)	27 (3)	27 (6)	16 (4)	5 (2)					
Total	2074 (358)	518 (125)	232 (46)	1138 (230)	1509 (366)	1552 (162)	398 (80)					

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	48.5	42.4	-	50.9	51.1	17.5	-
1	60.6	59.5	62.7	58.6	60.5	60.7	57.9
2	59.6	65.0	47.1	33.2	35.1	56.8	58.0
3	27.6	25.8	36.1	39.7	25.9	36.8	30.1
4a	17.5	19.0	22.7	23.8	19.8	24.8	27.1
4b	20.6	13.5	48.1	16.1	15.0	15.2	4.8
4c	9.5	5.3	18.9	8.3	11.8	10.0	11.6
Unknown	48.7	37.2	48.9	33.9	25.5	40.6	19.9

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	741/708	37/61	24/37	4/20	14/29	3/4	12/16	47/24	4/7	1209/1199
2) Nasal cavity, etc.	164/161	2/2	0/1	0/5	2/1	0/0	2/2	5/6	2/2	341/339
3) Nasopharynx	84/75	1/3	0/0	0/4	1/2	1/0	0/2	1/3	1/1	144/142
4) Oropharynx	360/360	36/35	29/21	2/17	13/10	3/4	8/3	11/15	3/7	685/679
5) Hypopharynx	384/369	28/44	87/64	8/33	25/17	5/8	15/11	23/36	4/6	961/957
6) Larynx	499/489	7/24	22/16	14/35	14/10	1/6	10/13	21/28	3/5	970/945
7) Major salivary glands	107/113	0/1	0/1	1/0	3/0	0/1	4/0	3/4	0/0	280/278

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	1455 (70.2)	358 (17.3)	54 (2.6)	75 (3.6)	28 (1.4)	104 (5.0)	2074 (100)
2) Nasal cavity, etc.	316 (61.0)	125 (24.1)	5 (1.0)	19 (3.7)	7 (1.4)	46 (8.9)	518 (100)
3) Nasopharynx	153 (65.9)	46 (19.8)	3 (1.3)	5 (2.2)	4 (1.7)	21 (9.1)	232 (100)
4) Oropharynx	737 (64.8)	230 (20.2)	33 (2.9)	48 (4.2)	9 (0.8)	81 (7.1)	1138 (100)
5) Hypopharynx	894 (59.2)	366 (24.3)	62 (4.1)	79 (5.2)	25 (1.7)	83 (5.5)	1509 (100)
6) Larynx	1141 (73.5)	162 (10.4)	50 (3.2)	75 (4.8)	23 (1.5)	101 (6.5)	1552 (100)
7) Major salivary glands	271 (68.1)	80 (20.1)	3 (0.8)	6 (1.5)	0 (0.0)	38 (9.5)	398 (100)

Nasal cavity, etc.: nasal cavity and paranasal sinuses