

Report of Head and Neck Cancer Registry of Japan Five-year Prognosis of Patients Registered in 2014

Japan Society for Head and Neck Cancer
Cancer Registry Committee

Primary tumor site	Number of patients	%
1) Oral cavity	2337	26.0
2) Nasal cavity, etc.	636	7.1
3) Nasopharynx	261	2.9
4) Oropharynx	1466	16.3
5) Hypopharynx	1872	20.9
6) Larynx	1894	21.1
7) Major salivary glands	512	5.7
Total	8978	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 2014	in 2015	in 2016	in 2017	in 2018	after 2019
1) Oral cavity	21.45 (0.03-88.24)	46.7		132(18.0%)	253(34.4%)	127(17.3%)	66(9.0%)	54(7.3%)	103(14.0%)
2) Nasal cavity, etc.	12.73 (0.03-84.66)	26.2		51(20.7%)	97(39.4%)	40(16.3%)	22(8.9%)	9(3.7%)	27(11.0%)
3) Nasopharynx	22.04(0.03-86.47)	49.2		15(17.4%)	20(23.3%)	15(17.4%)	14(16.3%)	9(10.5%)	13(15.1%)
4) Oropharynx	21.62(0.03-91.39)	45.4		107(21.2%)	151(30.0%)	70(13.9%)	54(10.7%)	49(9.7%)	73(14.5%)
5) Hypopharynx	17.33(0.03-87.02)	34.0		147(18.5%)	226(28.4%)	163(20.5%)	101(12.7%)	76(9.5%)	83(10.4%)
6) Larynx	36.68(0.03-90.67)	55.7		56(12.6%)	118(26.5%)	79(17.8%)	55(12.4%)	48(10.8%)	89(20.0%)
7) Major salivary glands	21.62(0.03-91.52)	45.2		28(15.9%)	57(32.4%)	34(19.3%)	24(13.6%)	10(5.7%)	23(13.0%)

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	7) Major salivary glands					
No	1529 (17)	333 (8)	151 (1)	952 (19)	1097 (33)	1499 (15)	302 (5)					
Local	201 (92)	109 (45)	23 (15)	103 (47)	159 (68)	160 (41)	28 (12)					
Regional	265 (95)	25 (7)	10 (5)	106 (40)	165 (73)	65 (25)	18 (9)					
Distant	105 (74)	40 (19)	28 (12)	100 (52)	163 (106)	58 (35)	102 (54)					
Local+Regional	46 (29)	6 (4)	2 (2)	30 (22)	30 (16)	14 (8)	2 (1)					
Local+Distant	15 (14)	8 (7)	5 (4)	15 (10)	19 (15)	5 (5)	4 (3)					
Regional+Distant	19 (13)	9 (6)	7 (4)	18 (13)	40 (28)	9 (6)	12 (11)					
Local+Regional+Distant	14 (10)	6 (5)	0 (0)	3 (3)	8 (8)	4 (2)	1 (1)					
Undecidable	108 (78)	93 (59)	34 (17)	118 (80)	164 (119)	62 (30)	39 (22)					
Unknown	35 (3)	7 (0)	1 (0)	21 (7)	27 (5)	18 (2)	4 (0)					
Total	2337 (425)	636 (160)	261 (60)	1466 (293)	1872 (471)	1894 (169)	512 (118)					

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	55.1	71.9	-	67.0	63.0	59.3	-
1	60.4	49.2	71.1	53.5	62.7	60.9	64.0
2	59.9	59.7	60.3	48.5	56.8	58.0	66.8
3	44.6	47.8	62.8	50.9	49.0	46.6	53.9
4a	23.0	20.2	37.0	45.7	24.2	26.4	24.8
4b	12.7	15.9	38.7	17.3	14.7	8.2	11.6
4c	11.7	6.7	9.0	8.2	9.8	9.0	9.0
Unknown	38.2	37.6	18.2	54.6	31.7	54.5	55.6

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	913/908	47/61	31/35	7/31	21/17	4/5	22/15	44/41	7/16	1264/1238
2) Nasal cavity, etc.	276/268	3/3	1/1	5/5	4/3	1/3	1/5	9/7	6/8	333/335
3) Nasopharynx	123/119	0/1	0/0	1/6	1/0	0/1	1/0	2/3	3/3	131/128
4) Oropharynx	600/590	55/74	70/46	8/33	21/12	2/5	8/13	21/31	5/8	716/694
5) Hypopharynx	646/665	54/69	175/108	21/31	50/31	1/9	13/18	40/31	4/6	918/944
6) Larynx	811/752	20/34	23/40	17/55	21/16	6/5	12/16	23/43	3/13	964/946
7) Major salivary glands	233/232	1/4	0/3	3/4	1/3	1/0	5/3	9/9	1/2	259/253

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	1602 (68.5)	425 (18.2)	60 (2.6)	71 (3.0)	31 (1.3)	148 (6.3)	2337 (100)
2) Nasal cavity, etc.	390 (61.3)	160 (25.2)	13 (2.0)	20 (3.1)	10 (1.6)	43 (6.8)	636 (100)
3) Nasopharynx	175 (67.0)	60 (23.0)	2 (0.8)	4 (1.5)	7 (2.7)	13 (5.0)	261 (100)
4) Oropharynx	962 (65.6)	293 (20.0)	47 (3.2)	57 (3.9)	20 (1.4)	87 (5.9)	1466 (100)
5) Hypopharynx	1076 (57.5)	471 (25.2)	93 (5.0)	76 (4.1)	43 (2.3)	113 (6.0)	1872 (100)
6) Larynx	1449 (76.5)	169 (8.9)	70 (3.7)	72 (3.8)	30 (1.6)	104 (5.5)	1894 (100)
7) Major salivary glands	336 (65.6)	118 (23.0)	6 (1.2)	8 (1.6)	6 (1.2)	38 (7.4)	512 (100)

Nasal cavity, etc.: nasal cavity and paranasal sinuses