

Report of Head and Neck Cancer Registry of Japan  
Five-year Prognosis of Patients Registered in 2012

Japan Society for Head and Neck Cancer  
Cancer Registry Committee

Primary tumor site	Number of patients	%
1) Oral cavity	1448	34
2) Nasal cavity, etc.	285	7
3) Nasopharynx	128	3
4) Oropharynx	615	15
5) Hypopharynx	847	20
6) Larynx	727	17
7) Major salivary glands	183	4
Total	4233	100

Nasal cavity, etc.: nasal cavity and paranasal sinuses

	<b>MFT to relapse (month; range)</b>	<b>MFT to death or last follow-up (month)</b>	<b>Death or last follow-up</b>	<b>in 2012</b>	<b>in 2013</b>	<b>in 2014</b>	<b>in 2015</b>	<b>in 2016</b>	<b>after 2017</b>
1) Oral cavity	6.7 (0.2-88.0)	30.1		77(7.5%)	266(25.8%)	46(4.5%)	24(2.3%)	48(4.6%)	572(55.3%)
2) Nasal cavity, etc.	7.82 (0.9-84.2)	28.1		7(4.5%)	33(21.2%)	10(6.4%)	1(0.6%)	5(3.2%)	100(64.1%)
3) Nasopharynx	16.5 (0.03-77.46)	41.0		3(3.5%)	19(22.4%)	5(5.9%)	3(3.5%)	3(3.5%)	52(61.2%)
4) Oropharynx	8.5 (0.2-85.2)	50.5		18(4.6%)	75(19.0%)	10(2.5%)	11(2.8%)	15(3.8%)	266(67.3%)
5) Hypopharynx	8.3 (0.03-76.4)	31.4		21(4.6%)	95(20.9%)	20(4.4%)	15(3.3%)	15(3.3%)	288(63.4%)
6) Larynx	11.4 (0.2-87.1)	59.2		18(3.5%)	71(13.7%)	23(4.4%)	27(5.2%)	22(4.2%)	358(69.0%)
7) Major salivary glands	12.0 (0.5-73.4)	56.8		3(2.5%)	20(16.9%)	3(2.5%)	4(3.4%)	5(4.2%)	83(70.3%)

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\*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	972(11)	147 (2)	80 (2)	410 (4)	492 (4)	562 (10)	120 (2)
Local	134 (57)	51 (24)	7 (4)	60 (22)	71 (29)	52 (15)	10 (2)
Regional	166 (55)	13 (7)	6 (1)	37 (14)	68 (37)	31 (10)	6 (2)
Distant	49 (34)	20 (12)	9 (2)	27 (19)	86 (61)	36 (22)	25 (17)
Local+Regional	24 (12)	1 (0)	3 (3)	16 (7)	10 (7)	5 (2)	4 (0)
Local+Distant	10 (6)	5 (5)	0 (0)	3 (2)	5 (5)	1 (1)	1 (0)
Regional+Distant	9 (7)	3 (2)	1 (0)	5 (4)	16 (11)	5 (4)	7 (5)
Local+Regional+Distant	3 (3)	2 (2)	1 (0)	4 (3)	3 (2)	1 (1)	1 (1)
Undecidable	57 (43)	33 (25)	18 (12)	46 (30)	79 (59)	26 (16)	9 (8)
Unknown	24 (3)	10 (0)	3 (0)	7 (2)	17 (4)	8 (0)	0 (0)
<b>Total</b>	<b>1448 (231)</b>	<b>285 (79)</b>	<b>128 (24)</b>	<b>615 (107)</b>	<b>847 (219)</b>	<b>727 (81)</b>	<b>183 (37)</b>

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	25.6	-	-	73.7	64.9	27.2	-
1	43.3	61.4	24.4	66.2	62.4	62.7	65.7
2	50.2	53.0	62.7	60.9	36.2	61.5	70.5
3	22.7	54.1	48.2	56.0	59.6	46.9	71.1
4a	22.1	20.6	38.0	50.5	23.7	36.8	24.5
4b	36.6	21.1	66.4	17.3	13.6	24.3	45.7
4c	11.9	15.4	28.4	12.7	10.8	6.5	21.4
Unknown	23.3	32.3	80.1	42.1	47.3	59.4	71.3

Nasal cavity, etc.: nasal cavity and paranasal sinuses

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

	No	Head and Neck	Esophagus	Lung	Stomach	Liver	Colon	Others	Unknown	No reported
1) Oral cavity	377/379	30/27	12/17	0/10	6/12	2/1	3/5	12/10	2/6	1012/989
2) Nasal cavity, etc.	96/90	1/3	0/0	0/0	1/1	0/1	0/1	2/3	0/1	185/185
3) Nasopharynx	54/50	0/1	0/0	0/0	0/1	0/1	0/0	1/2	0/0	73/73
4) Oropharynx	219/203	14/26	16/11	5/6	7/5	1/1	1/4	4/7	1/2	351/354
5) Hypopharynx	253/260	15/32	65/36	8/14	20/10	2/8	8/7	12/11	1/4	480/478
6) Larynx	279/271	3/6	8/10	11/13	9/3	1/1	3/2	9/11	1/2	410/411
7) Major salivary glands	72/71	0/0	1/0	0/2	0/1	1/0	2/3	2/3	0/6	105/104

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**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	1033 ( 71 )	231 ( 16 )	33 ( 2 )	45 ( 3 )	15 ( 1 )	91 ( 6 )	1448
2) Nasal cavity, etc.	156 ( 55 )	79 ( 28 )	4 ( 1 )	9 ( 3 )	5 ( 2 )	32 ( 11 )	285
3) Nasopharynx	85 ( 66 )	24 ( 19 )	2 ( 2 )	5 ( 4 )	1 ( 1 )	11 ( 9 )	128
4) Oropharynx	395 ( 64 )	107 ( 17 )	24 ( 4 )	30 ( 5 )	10 ( 2 )	49 ( 8 )	615
5) Hypopharynx	454 ( 54 )	219 ( 26 )	42 ( 5 )	43 ( 5 )	16 ( 2 )	73 ( 9 )	847
6) Larynx	519 ( 71 )	81 ( 11 )	27 ( 4 )	31 ( 4 )	10 ( 1 )	59 ( 8 )	727
7) Major salivary glands	118 ( 64 )	37 ( 20 )	3 ( 2 )	6 ( 3 )	1 ( 1 )	18 ( 10 )	183

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