

## Supplementary Online Content

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**eTable 1.** ICD-9 Codes for Malignant Head and Neck Malignant Tumors Included for NSQIP Query by Subsite

**eTable 2.** Most Common Procedures Performed for Head and Neck Malignant Tumors Among Patients Included for Analysis

This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable 1. ICD-9 Codes for Malignant Head and Neck Malignant Tumors Included for NSQIP Query by Subsite**

Subsite	Corresponding ICD-9 codes
Cutaneous	
Melanoma	172.0, 172.1, 172.2, 172.3, 172.4
Merkel	209.31, 209.32
Other cutaneous	173.0, 173.00, 173.01, 173.02, 173.09, 173.1, 173.10, 173.11, 173.12, 173.19, 173.2, 173.20, 173.21, 173.22, 173.29, 173.3, 173.30, 173.31, 173.32, 173.39, 173.4, 173.40, 173.41, 173.42, 173.49
Oral Cavity	
Tongue	141, 141.0, 141.1, 141.2, 141.3, 141.4, 141.5, 141.6, 141.8, 141.9
Other oral cavity	145.0, 145.1, 145.2, 145.3, 145.4, 145.5, 145.6, 145.8, 145.9
Floor of mouth	144, 144.0, 144.1, 144.8, 144.9
Gum	143, 143.0, 143.1, 143.8, 143.9
Lip	140, 140.0, 140.1, 140.3, 140.4, 140.5, 140.6, 140.8, 140.9
Cervical lymph nodes	196
Salivary gland	142, 142.0, 142.1, 142.2, 142.8, 142.9
Larynx	161, 161.0, 161.1, 161.2, 161.3, 161.8, 161.9
Oropharynx	146, 146.0, 146.1, 146.2, 146.3, 146.4, 146.5, 146.6, 146.7, 146.8, 146.9
Bone/soft tissue	170.0, 170.1, 171.0
Other	195
Middle ear and sinuses	160, 160.0, 160.1, 160.2, 160.3, 160.4, 160.5, 160.8, 160.9
Hypopharynx	148, 148.0, 148.1, 148.2, 148.3, 148.8, 148.9
Nasopharynx	147, 147.0, 147.1, 147.2, 147.3, 147.8, 147.9
Other lip, oral cavity and pharynx	149, 149.0, 149.1, 149.8, 149.9
Cervical esophagus	150

**eTable 2.** Most Common Procedures Performed for Head and Neck Malignant Tumors Among Patients Included for Analysis

Procedure	Cases	Percent
Cervical lymphadenectomy	2241	29.3%
Local/regional flap	985	13.0%
Free autologous tissue graft	884	11.6%
Glossectomy	868	11.4%
Parotidectomy	774	10.2%
Oropharyngeal resection	467	6.14%
Total laryngectomy	344	4.52%
Composite mandibular resection	174	2.29%
Oral cavity resection	174	2.29%
Other/unlisted procedures	104	1.37%
Partial laryngectomy	65	0.85%
Craniofacial resection	64	0.84%
Submandibular gland excision	57	0.75%
Maxillectomy	25	0.33%