

# Clinical Staging of Breast, Cervix Uteri, Lip & Oral Cavity and Pharyngeal Cancers for Cancer Registration

Reference: UICC TNM Classification of Malignant Tumours, 7<sup>th</sup> Edition

## Breast (ICD-0 C50)

### TNM Clinical Classification

<b>T- Primary Tumour</b>	
<b>Tx</b>	Primary tumour cannot be assessed
<b>T0</b>	No evidence of primary tumour
<b>Tis</b>	Carcinoma in situ
<b>T1<sub>mi</sub></b>	Microinvasion 0.1cm or less in greatest dimension
<b>T1</b>	Tumour 2cm or less in greatest dimension
<b>T2</b>	Tumour more than 2cm but less than 5cm in greatest dimension
<b>T3</b>	Tumour more than 5cm in greatest dimension
<b>T4</b>	Tumour of any size with direct extension to chest wall and / or to skin (ulceration, skin nodules, skin oedema) and inflammatory carcinoma
<b>N – Regional Lymph Nodes</b>	
<b>Nx</b>	Regional lymph nodes cannot be assessed
<b>N0</b>	No regional lymph node metastasis
<b>N1</b>	Metastasis in movable ipsilateral Level I, II axillary lymph node(s)
<b>N2</b>	Metastasis in ipsilateral Level I, II axillary lymph node(s) that are clinically fixed or matted; or in clinically detected ipsilateral internal mammary lymph node(s) in the absence of clinically evident axillary lymph node metastasis
<b>N3</b>	Metastasis in ipsilateral infraclavicular (Level III axillary) lymph node(s) with or without Level I, II axillary lymph node involvement; or in clinically detected ipsilateral internal mammary lymph node(s) with clinically evident Level I, II axillary lymph node metastasis; or metastasis in ipsilateral supraclavicular lymph node(s) with or without axillary or internal mammary lymph node involvement
<b>M - Distant Metastasis</b>	
<b>M0</b>	No distant metastasis
<b>M1</b>	Distant metastasis

## Stage Grouping – Breast

<b>Stage 0</b>	Tis	N0	M0
<b>Stage IA</b>	T1	N0	M0
<b>Stage IB</b>	T0 T1	N1 mi	M0
<b>Stage IIA</b>	T0 T1	N1	M0
	T2	N0	M0
<b>Stage IIB</b>	T2	N1	M0
	T3	N0	M1
<b>Stage IIIA</b>	T0 T1 T2	N2	M0
	T3	N1 N2	M0
<b>Stage IIIB</b>	T4	N0 N1 N2	M0
<b>Stage IIIC</b>	Any T	N3	M0
<b>Stage IV</b>	Any T	Any N	M1

## Cervix Uteri (ICD-O C53)

### TNM Clinical Classification

T- Primary Tumour	
<b>Tx</b>	Primary tumour cannot be assessed
<b>T0</b>	No evidence of primary tumour
<b>Tis</b>	Carcinoma in situ
<b>T1</b>	Tumour confined to the cervix (extension to corpus should be disregarded)
<b>T1a</b>	Invasive carcinoma diagnosed only by microscopy. Stromal invasion with a maximal depth of 5.0 mm measured from the base of the epithelium and a horizontal spread of 7.0 mm or less

<b>T1a1</b>	Measured stromal invasion 3.0 mm or less in depth and 7.0 mm or less in horizontal spread
<b>T1a2</b>	Measured stromal invasion more than 3.0 mm and not more than 5.0 mm with a horizontal spread of 7.0 mm or less
<b>T1b</b>	Clinically visible lesion confined to the cervix or microscopic lesion greater than T1a
<b>T1b1</b>	Clinically visible lesion 4.0 cm or less in greatest dimension
<b>T1b2</b>	Clinically visible lesion more than 4.0 cm in greatest dimension
<b>T2</b>	Tumour invades beyond uterus but not to pelvic wall or to lower third of vagina
<b>T2a</b>	Tumour without parametrial invasion
<b>T2a1</b>	Clinically visible lesion 4.0 cm or less in greatest dimension
<b>T2a2</b>	Clinically visible lesion more than 4.0 cm in greatest dimension
<b>T2b</b>	Tumour with parametrial invasion
<b>T3</b>	Tumour extends to pelvic wall, involves lower third of vagina, causes hydronephrosis or nonfunctioning kidney
<b>T3a</b>	Tumour involves lower third of vagina
<b>T3b</b>	Tumour extends to pelvic wall, causes hydronephrosis or nonfunctioning kidney
<b>T4</b>	Tumour invades mucosa of the bladder or rectum or extends beyond true pelvis

### N - Regional Lymph Nodes

<b>Nx</b>	Regional lymph nodes cannot be assessed
<b>N0</b>	No regional lymph node metastasis
<b>N1</b>	Regional lymph node metastasis

### M - Distant Metastasis

<b>M0</b>	No distant metastasis
<b>M1</b>	Distant metastasis

## Stage Grouping – Cervix Uteri

<b>Stage 0</b>	Tis	N0	M0
<b>Stage I</b>	T1	N0	M0
<b>Stage IA</b>	T1a	N0	M0
<b>Stage IA 1</b>	T1a 1	N0	M0

<b>Stage IA 2</b>	T1a 2	NO	M0
<b>Stage IB</b>	T1b	NO	M0
<b>Stage IB 1</b>	T1b 1	NO	M0
<b>Stage IB 2</b>	T1b 2	NO	M0
<b>Stage II</b>	T2	NO	M0
<b>Stage IIA</b>	T2a	NO	M0
<b>Stage IIA 1</b>	T2a 1	NO	M0
<b>Stage IIA 2</b>	T2a 2	NO	M0
<b>Stage IIB</b>	T2b	NO	M0
<b>Stage III</b>	T3	NO	M0
<b>Stage IIIA</b>	T3a	NO	M0
<b>Stage IIIB</b>	T3b	Any N	M0
	T1 T2 T3	N1	M0
<b>Stage IVA</b>	T4	Any N	M0
<b>Stage IVB</b>	Any T	Any N	M1

## Lip & Oral Cavity (ICD-0 C00, C02-06)

### TNM Clinical Classification

<b>T- Primary Tumour</b>	
<b>Tx</b>	Primary tumour cannot be assessed
<b>T0</b>	No evidence of primary tumour
<b>Tis</b>	Carcinoma in situ
<b>T1</b>	Tumour 2cm or less in greatest dimension
<b>T2</b>	Tumour more than 2 cm but not more than 4 cm in greatest dimension
<b>T3</b>	Tumour more than 4 cm in greatest dimension

<b>T4a</b>	(Lip) Tumour invades through cortical bone, inferior alveolar nerve, floor of mouth, or skin (chin or nose)
	(Oral cavity) Tumour invades through cortical bone, into deep/extrinsic muscle of tongue (genioglossus, hyoglossus, palatoglossus, and styloglossus), maxillary sinus, or skin of face
<b>T4b</b>	(Lip & oral cavity) Tumour invades masticator space, pterygoid plates, or skull base, or encases internal carotid artery

## N - Regional Lymph Nodes

<b>Nx</b>	Regional lymph nodes cannot be assessed
<b>N0</b>	No regional lymph node metastasis
<b>N1</b>	Metastasis in a single ipsilateral lymph node, more than 3 cm or less in greatest dimension
<b>N2</b>	Metastasis as described below:
	<b>N2a</b> Metastasis in a single ipsilateral lymph node, more than 3cm but not more than 6cm in greatest dimension
	<b>N2b</b> Metastasis in multiple ipsilateral lymph nodes, none more than 6cm in greatest dimension
	<b>N2c</b> Metastasis in bilateral or contralateral lymph nodes, none more than 6 cm in greatest dimension
<b>N3</b>	Metastasis in a lymph node more than 6 cm in greatest dimension

## M - Distant Metastasis

<b>M0</b>	No distant metastasis
<b>M1</b>	Distant metastasis

## Stage Grouping – Lip & Oral Cavity

<b>Stage 0</b>	Tis	N0	M0
<b>Stage I</b>	T1	N0	M0
<b>Stage II</b>	T2	N0	M0
<b>Stage III</b>	T3	N0	M0
	T1 T2 T3	N1	M0

<b>Stage IVA</b>	T4a	N0 N1	M0
	T1 T2 T3 T4a	N2	M0
<b>Stage IVB</b>	Any T	N3	M0
	T4b	Any N	M0
<b>Stage IVC</b>	Any T	Any N	M1

## Pharynx

(ICD-0 C01, C05.1, 2, C09, C10.0, 2, 3, C11-13)

### TNM Clinical Classification

#### T- Primary Tumour

<b>Tx</b>	Primary tumour cannot be assessed
<b>T0</b>	No evidence of primary tumour
<b>Tis</b>	Carcinoma in situ

#### Oropharynx

<b>T1</b>	Tumour 2cm or less in greatest dimension
<b>T2</b>	Tumour more than 2 cm but less than 4 cm in greatest dimension
<b>T3</b>	Tumour more than 4 cm in greatest dimension or extension to lingual surface of epiglottis
<b>T4a</b>	Tumour invades any of the following: larynx, deep/extrinsic muscle of tongue (genioglossus, hyoglossus, palatoglossus, and styloglossus), medial pterygoid, hard palate, or mandible
<b>T4b</b>	Tumour invades any of the following: lateral pterygoid muscle, pterygoid plates, lateral nasopharynx, skull base, or encases carotid artery

#### Nasopharynx

<b>T1</b>	Tumour confined to nasopharynx, or extends to oropharynx and/or nasal cavity
<b>T2</b>	Tumour with parapharyngeal extension
<b>T3</b>	Tumour invades bony structures of skull base and/or paranasal sinuses
<b>T4</b>	Tumour with intracranial extension and/or involvement of cranial nerves, hypopharynx, orbit, or with extension to the infratemporal fossa / masticator space

## Hypopharynx

<b>T1</b>	Tumour limited to one subsite of hypopharynx and/or 2cm or less in greatest dimension
<b>T2</b>	Tumour invades more than one subsite of hypopharynx or an adjacent site, or measures more than 2cm but less than 4cm in greatest dimension, without fixation of hemilarynx
<b>T3</b>	Tumour more than 4cm in greatest dimension, or with fixation of hemilarynx or extension to oesophagus
<b>T4a</b>	Tumour invades any of the following: thyroid/cricoid cartilage, hyoid bone, thyroid gland, oesophagus, central compartment soft tissue
<b>T4b</b>	Tumour invades prevertebral fascia, encases carotid artery, or invades mediastinal structures

### N – Regional Lymph Nodes (Oro- and Hypopharynx)

<b>Nx</b>	Regional lymph nodes cannot be assessed
<b>N0</b>	No regional lymph node metastasis
<b>N1</b>	Metastasis in a single ipsilateral lymph node, more than 3 cm or less in greatest dimension
	Metastasis as described below:
<b>N2a</b>	Metastasis in a single ipsilateral lymph node, more than 3cm but not more than 6cm in greatest dimension
<b>N2</b>	<b>N2b</b> Metastasis in multiple ipsilateral lymph nodes, none more than 6cm in greatest dimension
	<b>N2c</b> Metastasis in bilateral or contralateral lymph nodes, none more than 6 cm in greatest dimension
<b>N3</b>	Metastasis in a lymph node more than 6 cm in greatest dimension

### N- Regional Lymph Nodes (Nasopharynx)

<b>Nx</b>	Regional lymph nodes cannot be assessed
<b>N0</b>	No regional lymph node metastasis
<b>N1</b>	Unilateral metastasis, in cervical lymph node(s), and/or unilateral or bilateral metastasis in retropharyngeal lymph nodes, 6cm or less in greatest dimension, above the supraclavicular fossa

<b>N2</b>	Bilateral metastasis in cervical lymph node(s), 6cm or less in greatest dimension, above the supraclavicular fossa
<b>N3</b>	Metastasis in cervical lymph node(s) greater than 6cm in dimension or in the supraclavicular fossa
<b>N3a</b>	Greater than 6cm in dimension
<b>N3b</b>	Extension in the supraclavicular fossa
<b>M - Distant Metastasis</b>	
<b>M0</b>	No distant metastasis
<b>M1</b>	Distant metastasis

## Stage Grouping – Oropharynx and Hypopharynx

<b>Stage 0</b>	Tis	N0	M0
<b>Stage I</b>	T1	N0	M0
<b>Stage II</b>	T2	N0	M0
<b>Stage III</b>	T3	N0	M0
	T1 T2 T3	N1	M0
<b>Stage IVA</b>	T1 T2 T3	N2	M0
	T4a	N0 N1 N2	M0
<b>Stage IVB</b>	T4b	Any N	M0
	Any T	N3	M0
<b>Stage IVC</b>	Any T	Any N	M1

## Stage Grouping – Nasopharynx

<b>Stage 0</b>	Tis	N0	M0
<b>Stage I</b>	T1	N0	M0
<b>Stage II</b>	T1	N1	M0
	T2	N0 N1	M0
<b>Stage III</b>	T1 T2	N2	M0
	T3	N0 N1 N2	M0
<b>Stage IVA</b>	T4	N0 N1 N2	M0
<b>Stage IVB</b>	Any T	N3	M0
<b>Stage IVC</b>	Any T	Any N	M1

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# National Cancer Control Programme

## Ministry of Health, Nutrition & Indigenous Medicine

Public Health Complex, 555/5, Elvitigala Mawatha, Colombo 5  
Tel No. 011 2368627, E-mail : nccpsl@yahoo.com

