CANSTAGING - THE CANCER STAGING TOOL

Welcome to the Cancer Staging Tool, provided to you thanks to a collaboration between the Northern Ireland Cancer Registry (NICR), the International Agency for Research on Cancer (IARC) and the Union for International Cancer Control (UICC). The tool is designed to help maximise the availability, standardisation and comparability of cancer staging internationally.

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QUICK GUIDE

CANCER STAGING TOOL OVERVIEW

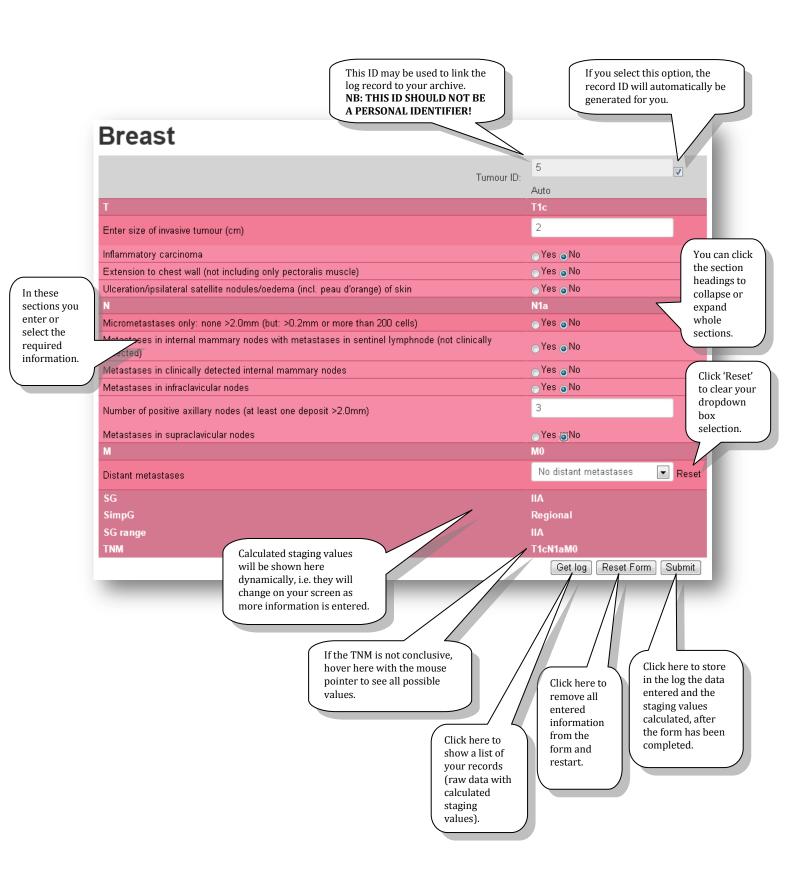
The Cancer Staging Tool calculates TNM, Stage, Grade, and other site-specific stage scores from raw information entered by the user. It also calculates broader classification groups (Simplified Stage Group and Stage Group Range), when partial information is entered. Below is a view of the Tool's Home Page, with brief explanations:

HOME PAGE

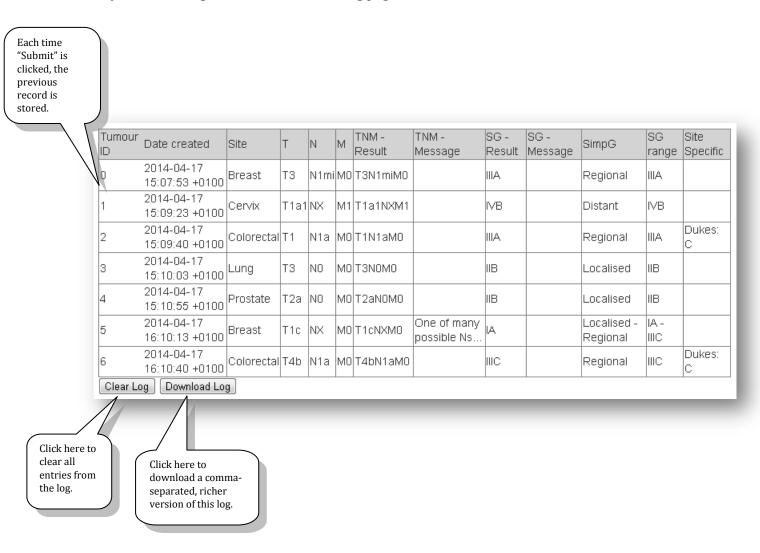
Here you Here you select the upload your batch file, see cancer site. Click here Click here When you have to return to Appendix. to review finished, sign the Home vour work. out here. page. CanStaging Home Sites -Upload Get log

anyone (user) ▼ CanStaging By Morten Ervik (IARC/CIN), Giulio Napolitano (NICR), James Brierley (TNM Core Group, LICC) and Lisa Ranaghan (NICR) Welcome to CanStaging, a Cancer Staging Tool, provided to you thanks to a NICR, IARC, and UICC collaboration. The tool will help maximise the availability, standardisation and comparability of cancer staging internationally. Sites You may Breast also select Cervix the Colorectal cancer site Lung here. Prostate

The following screenshot shows the entry page of a sample cancer site (Breast).



Finally, the following is a screenshot of the log page:



ACCESS

The tool is only available to users with a valid key. This can either be entered on the login screen or provided in the URL, for example: http://nicancerstaging.qub.ac.uk/tool?key=zzz.

SUPPORT

To request a new user account, please visit http://www.qub.ac.uk/research-centres/nicr/ToolsResources/CancerStagingTool/. Please use the Sourceforge page http://sourceforge.net/p/ the cancerstagingtool/tickets/ to raise general issues. Should you need individual help, please send a query to gicr@iarc.fr kindly indicating the nature of the problem and provide your location (cancer registry, city, country) as well as telephone number. The Cancer Staging Tool team will help solve your problem!

Please follow our Twitter account @CanStaging for news and updates on the Cancer Staging Tool.



Endorsed by:



International Agency for Research on Cancer







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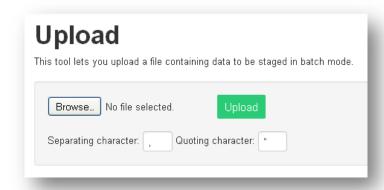
RELEASE NOTES

VERSION 1.1 - 08/08/2014

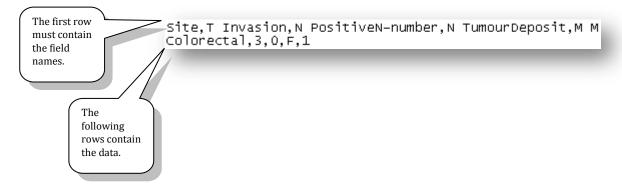
- New features:
 - Batch processing
- Known issues
 - \circ When *Tumour Ids* are entered manually, records are overwritten when duplicate Ids are used without notification
 - o Individual records cannot be deleted from log

APPENDIX - BATCH PROCESSING

When you click the 'Upload' button, you can upload a comma-delimited file (.csv) using the following screen: browse to your file then click the green button.



You may upload one file at a time, containing one or more records for the same cancer site (you can't mix records for different cancer sites in the same file). An example of file content is illustrated in the following figure. The file specifications, for each site, are given in the next sections.



In each of the remaining sections, the first table (*Header*) provides the list of field names for the first row of an upload file. The first column of this table is used to build the first row of the file (*Site* is omitted but must be present). The second column specifies what types of values are expected in the records:

- Boolean: *T* for *Yes* and *F* for *No*
- Number: A numerical value
- <u>Dictionary</u>: A number (*Key*) corresponding to a chosen option from a list, as specified in the Dictionary tables provided below. These correspond to the various options shown in the dropdown boxes of the tool. As an example, *T Invasion* = 3 in the sample file above corresponds to "Tumour invades subserosa or into non-peritonealized pericolorectal tissues".

Dictionary tables are specified in their own subsections.

BREAST

Header

Field	DataType
T Size-number	Number
T Inflammation	Boolean
T ChestInvasion	Boolean
T Ulceration	Boolean
N Micrometastases	Boolean
N MammaryMicro	Boolean
N MammaryClinical	Boolean
N Infraclavicular	Boolean
N Supraclavicular	Boolean
N Axillary-number	Number
MM	Dictionary

BREAST DICTIONARY TABLE

Key	DisplayText	
1	No distant metastases	
2	Distant metastases	

CERVIX

Header

Field	DataType
T Microscopic	Boolean
T Stromal	Dictionary
T ExtendedVisible	Dictionary
T BeyondUterus	Boolean
T Parametrium	Boolean
T Vagina	Boolean
T Pelvis	Boolean
T Hydronephrosis	Boolean
T Mucosa	Boolean
N PositiveN-number	Number
MM	Dictionary

CERVIX DICTIONARY TABLES

T Stromal

Key	DisplayText
1	<=3mm in depth AND <=7mm in horizontal spread
2	>3mm but <=5mm in depth AND <=7mm in horizontal spread
3	>5mm in depth OR >7mm in horizontal spread

T ExtendedVisible

Key	DisplayText
1	No
2	Yes, <= 4.0cm
3	Yes, > 4cm

Key	DisplayText
1	No distant (or paraortic nodes) metastases
2	Distant (or paraortic nodes) metastases

COLORECTAL

Header

Field	DataType
T Invasion	Dictionary
N PositiveN-number	Number
N TumourDeposit	Boolean
MM	Dictionary

COLORECTAL DICTIONARY TABLES

T Invasion

Key	DisplayText
1	Tumour invades submucosa
2	Tumour invades muscularis propria
3	Tumour invades subserosa or into non-peritonealized pericolorectal tissues
4	Tumour perforates visceral peritoneum
5	Tumour directly invades or is adherent to other organs or structures

Key	DisplayText
1	No distant metastases
2	Metastases confined to one organ or site (e.g. liver, lung, ovary, non-regional node)
3	Metastases in more than one organ/site or the peritoneum

LUNG

Header

Field	DataType
T Size-number	Number
T Bronchus	Dictionary
T Pleura	Boolean
T Atelectasis	Boolean
T T3invasion	Boolean
T AtelectasisAll	Boolean
T NodulesT3	Boolean
T Vocal	Boolean
T NodulesT4	Boolean
T T4invasion	Boolean
N Nregion	Dictionary
мм	Dictionary

LUNG DICTIONARY TABLES

T Bronchus

Key	DisplayText
1	Tumour does NOT invade main bronchus
2	Tumour involves the main bronchus >= 2cm distal to the carina
3	Tumour involves the main brochus < 2cm distal to the carina
4	Tumour involves the carina or trachea

N Region

Key	DisplayText
1	No regional lymph node metastases
2	Metastases to ipsilateral peribronchial AND/OR ipsilateral hilar nodes AND intrapulmonary nodes
3	Metastases to ipsilateral mediastinal AND/OR subcarinal nodes
4	Metastases to contralateral mediastinal, contralateral hilar, ipsilateral or contralateral scalene, or
	supraclavicular nodes

Key	DisplayText
1	No distant metastases
2	Separate tumour nodule(s) in a contralateral lobe tumour with pleural nodes or malignant pleural
	(or pericardial) effusion
3	Distant metastases

PROSTATE

Header

Field	DataType
T Appearance	Dictionary
T Extension	Dictionary
T Capsule	Boolean
T Neck	Boolean
T Vescicles	Boolean
T Bladder	Boolean
T Sphincter	Boolean
T Rectum	Boolean
T Wall	Boolean
N PositiveN-number	Number
MM	Dictionary
M Nodes	Boolean
M Bone	Boolean
M Other	Boolean
SG Gleason-number	Number
SG PSA-number	Number

PROSTATE DICTIONARY TABLES

T Appearance

Key	DisplayText	
1	Tumour clinically inapparent (not palpable or visible by imaging)	
2	Tumour clinically apparent	

T Extension

Key	DisplayText	
1	Tumour incidental histological finding in = 5% resected tissue	
2	Tumour incidental histological finding >5% resected tissue	
3	Tumour identified by needle biopsy	
4	Tumour involves one 1/2 of one lobe or less	
5	Tumour involves more than half of one lobe	
6	Tumour involves both lobes	

Key	DisplayText
1	No distant metastases
2	Distant metastases