Breast Cancer (Numbers are illustrative only)

1. Invasive tumours only

[TUMOUR = 11 to 17]

4,196

2. Metastatic patients

If pre-operative M = M1 then Stage Category = Stage 4

244 (5.8%)

3. Non-Metastatic patients

If pre-operative M not equal to M1 all cases have their M set to M0

3,952 (94.2%)

4. Patients not receiving surgery as First Treatment

where type of first treatment is not surgery

[FIRSTREATMODE not equal to 1]

(will include non-surgical patients and patients receiving neo-adjuvant treatment prior to treatment)

1,000 (23.8%)

5. Surgery as First Treatment

where type of first treatment is surgery

[FIRSTREATMODE = 1]

2,952 (70.4%)

Calculate Derived T, N and M

7. Derive T

The maximum invasive pathological diameter takes precedence over pre-operative T

8. Derive N

Precedence is given to Number of Nodes Examined, Number Involved and the presence/absence of a SNB over pre-operative N

9. Derive M

Based on pre-operative M only

10. Output from 7-9 used to produce Stage Categories assigned based on UICC TNM Classification of Malignant Tumours v6

Stage Categories assigned using pre-operative TNM only, based on UICC TNM Classification of Malignant Tumours v6

244 Metastatic patients
443 Non-Surgical patients
557 Surgical Neo-Adjuvant Treated patients

1,244 (29.6%)

6. Breast Stage Category

Stage 1 164 13.2%
Stage 2 461 37.1%
Stage 3 166 13.3%
Stage 4 244 19.6%
Not Known 209 16.7%

1,244 100.0%

11. Breast TNM Stage Category

Stage 1 1,493 50.6%
Stage 2 1,337 45.3%
Stage 3 78 2.6%
Stage 4 0 0.0%
Not Known 44 1.5%

2,952 100.0%
Colorectal Cancer (Numbers are illustrative only)

Total 3,458

1. Metastatic patients from Imaging
If either both Chest CT (CXR) or Liver imaging results (LIVER) undertaken within 4 months (122 days) of the date of diagnosis (DDIAG) indicate metastases (Code 2). Stage Category set to Stage 4 and included in the totals in step 4. below 313 (9.1%)

2. Other patients
Stage remaining patients according to their Final TNM based on V5 of the UICC Classification of Malignant Tumours 3,145 (90.9%)

3. Colorectal Dukes’ Stage Category
Dukes’ A 189 13.7%
Dukes’ B 282 20.4%
Dukes’ C 261 18.9%
Dukes’ D 5 0.4%
Not Known 646 46.7%
1,383 100.0%

4. Colorectal TNM Stage Category
Stage 1 493 14.3%
Stage 2 859 24.8%
Stage 3 781 22.6%
Stage 4 679 19.6%
Not Known 648 18.7%
3,458 100.0%

* Dukes’ Stages are mapped directly to TNM Stage category as per UICC Classification of Malignant Tumours v5
Dukes’ A - Stage 1
Dukes’ B - Stage 2
Dukes’ C - Stage 3
Dukes’ D - Stage 4
Dukes’ Not Known - Stage Not Known
Lung Cancer (Numbers are illustrative only)

1. Lung Cancer only
   [Origin of Tumour = 1 (Lung Cancer)]
   4,478

2. Neo-adjuvant treatment
   Type of First Cancer treatment (MODE1) recorded as Radiotherapy (02), Chemotherapy (03) or
   Synchronous Chemoradiotherapy (04) who have a Date of First Cancer Treatment (FIRSTTREATDATE) prior to a Date of Surgery (DSURG)
   10 (0.2%)

3. Non Neo-adjuvant treatment
   [remaining patients]
   4,468 (99.8%)

Stage Categories assigned¹ based on UICC TNM Classification of Malignant Tumours v7

   ¹Using only Clinical TNM.

Lung TNM Stage Category

<table>
<thead>
<tr>
<th>Stage</th>
<th>Count</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Stage 1</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>Stage 2</td>
<td>1</td>
<td>10.0%</td>
</tr>
<tr>
<td>Stage 3</td>
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<tr>
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<td>20.0%</td>
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<tr>
<td>Not Known</td>
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<td>20.0%</td>
</tr>
<tr>
<td>Total</td>
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<td>100.0%</td>
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</tbody>
</table>

Stage Categories assigned² based on UICC TNM Classification of Malignant Tumours v7

   ²Using a combination of clinical and pathological TNM. As a general rule, in the absence of distant metastases, pathologically generated information takes precedence.

Lung TNM Stage Category

<table>
<thead>
<tr>
<th>Stage</th>
<th>Count</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Stage 1</td>
<td>608</td>
<td>13.6%</td>
</tr>
<tr>
<td>Stage 2</td>
<td>316</td>
<td>7.1%</td>
</tr>
<tr>
<td>Stage 3</td>
<td>1,059</td>
<td>23.6%</td>
</tr>
<tr>
<td>Stage 4</td>
<td>2,225</td>
<td>49.8%</td>
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<tr>
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<td>268</td>
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<td>Total</td>
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</table>

4. Lung TNM Stage Category

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<th>Count</th>
<th>Percentage</th>
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</thead>
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