



# **NEMICS surgical oncology service capability report**

**Addendum: 2012 / 2013 procedures data and  
variance analysis 2011/2012 to 2012/2013**

Alexandra Philpott, NEMICS

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**Addendum: 2012 / 2013 Procedures data  
and variance analysis 2011/2012 to 2012/2013**

*(prepared July 2014)*

**1. Breast cancer surgical volumes**

*The population for data analysis in this section is limited to patients with an acute admission for malignant, in situ or unknown/uncertain breast cancer (benign breast neoplasms are excluded).*

**[Ref. Table 7 of full report to see 2011/12 volumes data]**

Table 1 shows the number of admissions with mastectomies and lumpectomies undertaken at each site and the percentage of mastectomies to lumpectomies. The table also shows the variance from 2011/12 to 2012/13. There is no significant variation between the reported periods. Procedure volumes are similar to 2011/12 – of note, 38 more mastectomies were undertaken across NEMICS sites in 2012/13 whilst lumpectomy procedures remained constant (-3 in 2012/13).

*Table 1 Total number of breast procedures (mastectomy and other excision) by health service by site, 2012/13*

<b>Breast Cancer Surgery Volumes</b>	<b>Mastectomy admissions 2012/2013</b>	<b>Mastectomy admissions Change from 2011/2012 to 2012/2013</b>	<b>Lumpectomy admissions 2012/2013</b>	<b>Lumpectomy admissions Change from 2011/2012 to 2012/2013</b>	<b>% mastectomies 2012/2013</b>
Austin Health Austin	27	3	4	-3	87%
Austin Health Repat	49	-4	67	1	42%
<b>Austin Health Total</b>	<b>76</b>	<b>-1</b>	<b>71</b>	<b>-2</b>	<b>52%</b>
Eastern Health Angliss	1	-3	0	0	100%
Eastern Health Box Hill	35	14	44	-12	44%
EH Maroondah	50	0	118	-1	30%
EH Yarra Ranges Health	0	0	1	0	0%
<b>Eastern Health Total</b>	<b>86</b>	<b>11</b>	<b>163</b>	<b>-13</b>	<b>35%</b>
<b>Northern Health Northern</b>	<b>49</b>	<b>5</b>	<b>72</b>	<b>-6</b>	<b>40%</b>
<b>Total public</b>	<b>211</b>		<b>306</b>		
Epworth Eastern Hospital	44	7	91	-4	33%
Mitcham Private Hospital	37		75		33%
Warringal Private Hospital	17	-4	85	-1	17%
Deidentified Private Hospitals	37		106		26%
<b>Total private</b>	<b>135</b>		<b>357</b>		
<b>Total admissions</b>	<b>346</b>	<b>38</b>	<b>663</b>	<b>-3</b>	<b>34%</b>

## 2. Colorectal cancer surgical volumes

The population for data analysis in this section is limited to patients with an acute admission for malignant colorectal or anal cancer (in situ, unknown/uncertain, and benign colorectal neoplasms are excluded).

[Ref. Table 10 of full report to see 2011/12 volumes data]

Table 2 shows the volume of colectomies and other excisions of the rectum undertaken at each site in 2012-13 and the variance from 2011/12 to 2012/13. Table 3 sets out the volume of abdominoperineal excisions (APEs) for rectal cancer in 2012-13. There is no significant variation between the reported periods.

Table 2 Total number of colorectal procedures (colectomy, excision of rectum, APEs) by health service by site, 2012/13 and variance 2011-12 to 2012-13.

<b>COLORECTAL SURGERY VOLUMES 2012/2013</b>		<b>Colectomy admissions variance from 2011/2012 to 2012/2013</b>	<b>Excisions of rectum admissions</b> <small>(Rectosigmoidectomy or proctectomy, anterior resection of rectum, Total proctocolectomy)</small>	<b>Excisions of rectum admissions variance from 2011/2012 to 2012/2013</b>	<b>Total admissions</b>	<b>Total admissions variance from 2011/12 to 2012/13</b>
<b>Malignant colorectal or anal cancer</b>	<b>Colectomy admissions</b>					
<b>Austin Health Austin</b>	56	12	44	2	<b>100</b>	<b>14</b>
Eastern Health Angliss	3				3	
Eastern Health Box Hill	41	-2	53	0	94	-2
Eastern Health Maroondah	15	-17	10	-9	25	-26
<b>Eastern Health Total</b>	59	-2	63	-4	122	-6
<b>Mercy Hosp Women</b>	0	-2	1	1	1	-1
<b>Northern Health Northern</b>	46	-7	41	-16	87	-23
<b>Total public admissions</b>	161		149		310	
Epworth Eastern Hospital	82	18	78	-8	160	10
Mitcham Private Hospital	4		1		5	
Warringal Private Hospital	44	0	43	-2	87	-2
Deidentified Private Hospitals	85		36		121	
<b>Total private admissions</b>	215		158		373	
<b>Total number of admissions</b>	<b>376</b>	<b>37</b>	<b>307</b>	<b>-29</b>	<b>683</b>	<b>8</b>

\*Mitcham Private was reported under Deidentified Private Hospitals in 2011-12

Therefore Deidentified Privates show a drop in 2012-13 as Mitcham Private no longer included here

Table 3 Volume of abdominoperineal excisions (APEs) for rectal cancer in 2012-13 and variance 2011/12 to 2012/13

<b>APE VOLUMES 2012/2013</b> Malignant colorectal or anal cancer	Abdomino-perineal excision (APE)	APE admissions Change from 2011/2012 to 2012/2013	% APE to all rectal excisions 2012/13
<b>Austin Health Austin</b>	7	3	16%
Eastern Health Angliss	0	0	
Eastern Health Box Hill	4	1	8%
Eastern Health Maroondah	1	1	10%
<b>Eastern Health Total</b>	5	2	8%
<b>Mercy Hosp Women</b>	0	0	
<b>Northern Health Northern</b>	0	-5	0%
<b>Total public admissions</b>	12	-2	
Epworth Eastern Hospital	7	-1	9%
Mitcham Private Hospital	0	0	
Warringal Private Hospital	1	-2	2%
Deidentified Private Hospitals	3	-3	8%
<b>Total private admissions</b>	11	-6	
<b>Total number of admissions</b>	<b>23</b>	<b>-8</b>	7%

### 3. Genito-urinary cancers surgical volumes

The population for data analysis in this section limited to patients with an acute admission for malignant genitourinary cancer (in situ, unknown/uncertain, and benign genitourinary neoplasms are excluded).

**[Ref. Table 12 of full report to see 2011/12 volumes data]**

Table 4 shows the volume of prostatectomies, cystectomies, nephrectomies, and orchiectomies undertaken at each site in 2012-13. Table 5 shows the variance from 2011/12 to 2012/13. With the exception of Epworth Eastern, who remains the highest volume provider for prostatectomies, all other health services show a decrease in volume of prostatectomies (103 fewer procedures were taken in 2012-13). This may be indicative of reported changing treatment patterns and patient choice.

Table 4 Total number of urological procedures (prostatectomies, cystectomies, nephrectomies, and orchiectomies) by health service by site, 2012-13

Genito-urological SURGERY VOLUMES 2012/2013	Prostatectomy admissions	Cystectomy admissions	Nephrectomy admissions	Orchiectomy admissions	Total admissions
Austin Health Austin	93	14	34	10	151
Austin Health Repat	9				9
<b>Austin Health Total</b>	<b>102</b>	<b>14</b>	<b>34</b>	<b>10</b>	<b>160</b>
Eastern Health Angliss	1			4	5
Eastern Health Box Hill	51	9	30	1	91
Eastern Health Maroondah	17			2	19
Eastern Health Yarra Ranges Health					0
<b>Eastern Health Total</b>	<b>69</b>	<b>9</b>	<b>30</b>	<b>7</b>	<b>115</b>
<b>Mercy Hospital for Women</b>					<b>0</b>
<b>Northern Health Northern</b>	24	3	12	4	43
<b>Total Public admissions</b>	<b>195</b>	<b>26</b>	<b>76</b>	<b>21</b>	<b>318</b>
Epworth Eastern Hospital	265	7	38	9	319
Mitcham Private Hospital	10		1		11
Warringal Private Hospital	77	6	24	3	110
Deidentified Private Hospitals	95	4	15	6	120
<b>Total Private admissions</b>	<b>447</b>	<b>17</b>	<b>78</b>	<b>18</b>	<b>560</b>
<b>Total admissions</b>	<b>642</b>	<b>43</b>	<b>154</b>	<b>39</b>	<b>878</b>

Table 5 Variance in genito-urological procedure volumes variance between 2011/12-2012/13

Genito-urological SURGERY VOLUMES variance 2011/2012 to 2012/2013	Prostatectomy admissions	Cystectomy admissions	Nephrectomy admissions	Orchiectomy admissions	Total variance from 2011/12 to 2012/13
Austin Health Austin	-30	-3	-12	-2	-47
Austin Health Repat	-10	0	0	0	-10
<b>Austin Health Total</b>	<b>-40</b>	<b>-3</b>	<b>-12</b>	<b>-2</b>	<b>-57</b>
Eastern Health Angliss	0	0	0	3	3
Eastern Health Box Hill	-22	2	3	-6	-23
Eastern Health Maroondah	1	0	0	-1	0
Eastern Health Yarra Ranges Health	-1	0	0	0	-1
<b>Eastern Health Total</b>	<b>-22</b>	<b>2</b>	<b>3</b>	<b>-4</b>	<b>-21</b>
<b>Mercy Hospital for Women</b>	0	-13	-1	0	-14
Northern Hospital	-9	1	2	-2	-8
<b>Total Public admissions</b>	<b>-71</b>	<b>-13</b>	<b>-8</b>	<b>-8</b>	<b>-100</b>
Epworth Eastern Hospital	22	-5	-7	-3	7
Mitcham Private Hospital*					
Warringal Private Hospital	-37	0	3	-3	-37
Deidentified Private Hospitals*					
<b>Total Private admissions</b>	<b>-32</b>	<b>-5</b>	<b>10</b>	<b>-4</b>	<b>-31</b>
<b>Total variance</b>	<b>-103</b>	<b>-18</b>	<b>2</b>	<b>-12</b>	<b>-131</b>

\*Mitcham Private was reported under Deidentified Private Hospitals in 2011-12

Therefore Deidentified Privates show a drop in 2012-13 as Mitcham Private no longer included here

#### 4. Malignant melanoma surgical volumes

The population for data analysis in this section limited to patients with an acute admission for malignant melanoma (in situ, unknown/uncertain, and benign neoplasms are excluded).

**[Ref. Table 14 of full report to see 2011/12 volumes data]**

Table 6 shows the total number of skin excision procedures by health service by site in 2012-13 and the variance from 2011/12 to 2012/13. There is no significant variation between the reported periods.

*Table 6 Total number of malignant melanoma excision procedures by health service by site, 2012-13 and variance from 2011/12 to 2012/13*

Health service	Melanoma excision admissions 2012-13	Melanoma excision admissions Change 2011-12 to 2012-13
Austin Health Austin	68	29
Austin Health Repat	26	17
<b>Austin Health Total</b>	<b>94</b>	<b>46</b>
Eastern Health Angliss	5	-2
Eastern Health Box Hill	10	-11
Eastern Health Healesville	0	-1
Eastern Health Maroondah	27	-4
Eastern Health Yarra Ranges Health	4	2
<b>Eastern Health Total</b>	<b>46</b>	<b>-16</b>
<b>Mercy Hospital for Women</b>	0	0
Northern Broadmeadows	2	2
<b>Northern Hospital</b>	20	-1
<b>Northern Health Total</b>	22	
<b>Total public admissions</b>	<b>162</b>	<b>31</b>
Epworth Eastern Hospital	103	20
Mitcham Private Hospital	17	
Warringal Private Hospital	14	-8
Deidentified Private Hospitals	154	
<b>Total private admissions</b>	<b>288</b>	<b>14</b>
<b>Total</b>	<b>450</b>	<b>45</b>

\*Mitcham Private was reported under Deidentified Private Hospitals in 2011-12

Therefore Deidentified Privates show a drop in 2012-13 as Mitcham Private no longer included here

#### 5. Lung cancer surgical volumes

The population for lung surgical excision analysis in this section includes all patients (including malignant, in situ, unknown, and benign neoplasms) to ensure all lung secondaries are included.

**[Ref. Table 16 of full report to see 2011/12 volumes data]**

Table 7 shows the volume of specialised lung excision procedures<sup>1</sup> undertaken at each site in 2012-13 and the variance from 2011/12 to 2012/13. There were 28 more lung excision

<sup>1</sup> The following procedures are included in the analysis: Lung resection, lobectomy, wedge resection, and pneumonectomy



procedures provided by private sector hospitals in 2012-13 (43% of total admissions, compared to 35% of total admissions in 2011-12). There is no other significant variation between the reported periods.

*Table 7 Total number of lung procedures (specialised lung excision procedures) by health service by site, 2012-13*

<b>Health service</b>	<b>Lung excision admissions 2012-13</b>	<b>Lung excision admissions variance 2011-12 to 2012-13</b>
Austin Health Austin	105	-12
Austin Health Repat	0	0
<b>Austin Health Total</b>	<b>105</b>	<b>-12</b>
Eastern Health Angliss	0	0
Eastern Health Box Hill	25	10
Eastern Health Healesville	0	0
Eastern Health Maroondah	0	0
Eastern Health Yarra Ranges Health	0	0
<b>Eastern Health Total</b>	<b>25</b>	<b>10</b>
<b>Mercy Hospital for Women</b>	0	0
<b>Northern Health Northern</b>	8	2
<b>Total public admissions</b>	<b>138</b>	<b>0</b>
Epworth Eastern Hospital	26	7
Mitcham Private Hospital	0	
Warringal Private Hospital	37	0
Deidentified Private Hospitals	41	
<b>Total private admissions</b>	<b>104</b>	<b>28</b>
<b>Total admissions</b>	<b>242</b>	<b>28</b>

*\*Mitcham Private was reported under Deidentified Private Hospitals in 2011-12  
Therefore Deidentified Privates show a drop in 2012-13 as Mitcham Private no longer included here*

## 6. Gynaecological cancers surgical volumes

*The population for data analysis in this section is limited to patients with an acute admission for a malignant gynaecological cancer (in situ, unknown/uncertain, and benign neoplasms are excluded).*

**[Ref. Table 18 of full report to see 2011/12 volumes data]**

Table 8 shows the volume of gynaecological procedures<sup>2</sup> undertaken at each site in 2012-13. Table 12 shows the variance from 2011/12 to 2012/13. There is no significant variation between the reported periods.

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<sup>2</sup> Cervical and early endometrial procedures, and non-malignant gynaecological procedures are excluded from the analysis

Table 8. Total number of gynaecological cancer procedures by health service by site, 2012-13

Health service	Specialized gynaecological excision admissions for malignant cancers 2012-13	Gynaecology excision admissions variance 2011-12 to 2012-13
Austin Health Austin	2	2
Austin Health Repat	0	0
<b>Austin Health Total</b>	<b>2</b>	<b>2</b>
Eastern Health Angliss	1	1
Eastern Health Box Hill	19	-8
Eastern Health Healesville	0	-1
Eastern Health Maroondah	1	0
<b>Eastern Health Total</b>	<b>21</b>	<b>-8</b>
<b>Mercy Hospital for Women</b>	<b>181</b>	<b>32</b>
<b>Northern Health Northern</b>	<b>12</b>	<b>-7</b>
<b>Total public admissions</b>	<b>216</b>	<b>19</b>
Epworth Eastern Hospital	62	24
Mitcham Private Hospital	3	
Warringal Private Hospital	4	-7
Deidentified Private Hospitals	15	
<b>Total private admissions</b>	<b>84</b>	<b>26</b>
<b>Total admissions</b>	<b>300</b>	<b>45</b>

*\*Mitcham Private was reported under Deidentified Private Hospitals in 2011-12*

*Therefore Deidentified Privates show a drop in 2012-13 as Mitcham Private no longer included here*

## 7. Head and neck cancers surgical volumes

The population for data analysis in this section is limited to patients with an acute admission for a malignant head and neck (including larynx) cancer (in situ, unknown/uncertain, and benign neoplasms are excluded). Note that thyroid cancers are reported in the thyroid and endocrine cancers section.

**[Ref. Table 20 of full report to see 2011/12 volumes data]**

Table 9 shows the volume of head and neck cancer procedures undertaken at each site in 2012-13 and the variance from 2011/12 to 2012/13. There is no significant variation between the reported periods.

*Table 9 Total number of head and neck cancer procedures by health service by site, 2012-13*

Health service	Head and neck excision admissions for malignant cancers 2012-13	Head and Neck excision admissions variance 2011-12 to 2012-13
Austin Health Austin	73	16
Austin Health Repat	4	-1
<b>Austin Health Total</b>	<b>77</b>	<b>15</b>
Eastern Health Angliss	1	0
Eastern Health Box Hill	16	2
Eastern Health Maroondah	2	2
Eastern Health Yarra Ranges	1	0
<b>Eastern Health Total</b>	<b>20</b>	<b>4</b>
<b>Mercy Hospital for Women</b>	<b>0</b>	<b>0</b>
<b>Northern Health Northern</b>	<b>2</b>	<b>-1</b>
<b>Total public admissions</b>	<b>99</b>	<b>18</b>
Epworth Eastern Hospital	4	-1
Mitcham Private Hospital	4	
Warringal Private Hospital	2	-3
Deidentified Private Hospitals	31	
<b>Total private admissions</b>	<b>41</b>	<b>8</b>
<b>Total admissions</b>	<b>140</b>	<b>26</b>

*\*Mitcham Private was reported under Deidentified Private Hospitals in 2011-12*

*Therefore Deidentified Privates show a drop in 2012-13 as Mitcham Private no longer included here*

## 8. Thyroid cancers surgical volumes

The population for data analysis in this section is limited to patients with an acute admission for thyroid neoplasms (malignant and benign neoplasms are reported separately).

**[Ref. Table 23 of full report to see 2011/12 volumes data]**

Table 10 shows the volume of thyroidectomies undertaken at each site in 2012-13. Table 11 shows the variance from 2011/12 to 2012/13. There were 51 more thyroidectomies provided by private sector hospitals in 2012-13 (51% of total admissions, compared to 40% of total admissions in 2011-12). There is no other significant variation between the reported periods.

Table 10 Total number of thyroidectomies by health service by site, 2012-13

2012-13 Health service	Thyroidectomy admissions		Parathyroidectomy admissions		Total admissions
	Malignant	Benign	Malignant	Benign	
Austin Health Austin	38	9	2	19	68
Austin Health Repat	0	0		0	0
<b>Austin Health Total</b>	<b>38</b>	<b>9</b>	<b>2</b>	<b>19</b>	<b>68</b>
Eastern Health Angliss	1	1		0	2
Eastern Health Box Hill	14	7		14	35
Eastern Health Maroondah	1	5		7	13
<b>Eastern Health Total</b>	<b>16</b>	<b>13</b>	<b>0</b>	<b>21</b>	<b>50</b>
<b>Mercy Hospital for Women</b>	0	0		0	0
<b>Northern Health Northern</b>	17	11	1	6	35
<b>Total public admissions</b>	<b>71</b>	<b>33</b>	<b>3</b>	<b>46</b>	<b>153</b>
Epworth Eastern Hospital	14	6		15	35
Mitcham Private Hospital	13	18		19	50
Warringal Private Hospital	14	11		11	36
Deidentified Private Hospitals	12	13		13	38
<b>Total private admissions</b>	<b>53</b>	<b>48</b>	<b>0</b>	<b>58</b>	<b>159</b>
<b>Total admissions</b>	<b>124</b>	<b>81</b>	<b>3</b>	<b>104</b>	<b>312</b>

Table 11 Variance in thyroidectomy procedure volumes between 2011/12-2012/13

Change 2011-12 to 2012-13 Health service	Thyroidectomy admissions variance from 2011/12-2012/13		Parathyroidectomy admissions variance from 2011/12-2012/13		Total variance from 2011/12 to 2012/13
	Malignant	Benign	Malignant	Benign	
Austin Health Austin	0	-9	-2	8	-3
Austin Health Repat	0	0	0	0	0
<b>Austin Health Total</b>	<b>0</b>	<b>-9</b>	<b>-2</b>	<b>8</b>	<b>-3</b>
Eastern Health Angliss	0	1	0	0	1
Eastern Health Box Hill	6	-7	0	10	9
Eastern Health Maroondah	-1	1	0	1	1
<b>Eastern Health Total</b>	<b>5</b>	<b>-5</b>	<b>0</b>	<b>11</b>	<b>11</b>
<b>Mercy Hospital for Women</b>	0	0	0	0	0
<b>Northern Health Northern</b>	-14	2	0	-2	-14
<b>Total public admissions</b>	<b>-9</b>	<b>-12</b>	<b>-2</b>	<b>17</b>	<b>-6</b>
Epworth Eastern Hospital	1	-2	0	8	7
Mitcham Private Hospital*					
Warringal Private Hospital	8	-3	-1	3	7
Deidentified Private Hospitals*					
<b>Total private admissions</b>	<b>17</b>	<b>8</b>	<b>-1</b>	<b>27</b>	<b>51</b>
<b>Total admissions</b>	<b>8</b>	<b>-4</b>	<b>-3</b>	<b>44</b>	<b>45</b>

\*Mitcham Private was reported under Deidentified Private Hospitals in 2011-12 therefore Deidentified Privates show a drop in 2012-13 as Mitcham Private no longer included here

## 9. Brain and CNS cancers surgical volumes

The population for data analysis in this section is limited to patients with an acute admission for brain and CNS cancers. Primary and secondary brain and CNS cancers are reported separately.

There is one provider for brain and CNS cancer surgery in the NEMICS region, Austin Hospital. In 2012-13, Austin undertook a total of 69 procedures (in 2011-12, 64 were undertaken) - 27 on patients with primary brain tumours (34 in 2011-12), and 42 procedures on patients with brain metastases (36 in 2011-12).

## 10. Upper gastro-intestinal cancers – oesophagus and stomach surgical volumes

The population for data analysis in this section is limited to patients with an acute admission for oesophageal and gastric cancers.

### 10.1. Oesophagectomies

*[Ref. Table 27 of full report to see 2011/12 volumes data]*

Table 12 shows the volume of oesophagectomies undertaken at each site in 2012-13 and the variance from 2011/12 to 2012/13. Eastern Health undertook one oesophagectomy in 2012-13 (6 fewer than 2011-12) whilst Austin Health undertook 17 procedures (10 more than in 2011-12). There is no other significant variation between the reported periods.

Table 12 Total number of oesophagectomies by health service by site, 2012-13

Health service	Oesophagectomy admissions and variance					
	Gastro-oesophageal primary cancer (C15 or C16)	Gastro-oesophageal primary Ca variance from 11/12 - 12/13	Other neoplasms	Other neoplasms variance from 11/12 - 12/13	Total admissions	Total variance
Austin Health Austin	16	10	1	0	17	10
Austin Health Repat	0	0	0	0	0	0
<b>Austin Health Total</b>	<b>16</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>17</b>	<b>10</b>
Eastern Health Angliss	0	0	0	0	0	0
Eastern Health Box Hill	1	-6	0	0	1	-6
EH Maroondah	0	0	0	0	0	0
<b>Eastern Health Total</b>	<b>1</b>	<b>-6</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>-6</b>
Mercy Hospital for Women	0	0	0	0	0	0
Northern Health Northern	3	3	0	0	3	3
<b>Total public admissions</b>	<b>20</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>21</b>	<b>7</b>
Epworth Eastern Hospital	19	4	0	-1	19	3
Mitcham Private Hospital	0		0		0	
Warringal Private Hospital	2	1	0	0	2	1
Deidentified Private Hosp	1		0		1	
<b>Total private admissions</b>	<b>22</b>	<b>3</b>	<b>0</b>	<b>-1</b>	<b>22</b>	<b>2</b>
<b>Total admissions</b>	<b>42</b>	<b>10</b>	<b>1</b>	<b>-1</b>	<b>43</b>	<b>9</b>

\*Mitcham Private was reported under Deidentified Private Hospitals in 2011-12

Therefore Deidentified Privates show a drop in 2012-13 as Mitcham Private no longer included here

## 10.2. Gastric cancers

**[Ref. Table 28 of full report to see 2011/12 volumes data]**

Table 13 shows the volume of gastrectomies undertaken at each site in 2012-13 and the variance from 2011/12 to 2012/13. Austin Health doubled the number of gastrectomy procedures undertaken in 2012-13 (30 compared to 15 in 2011-12). There is no other significant variation between the reported periods.

*Table 13 Total number of gastrectomies by health service by site, 2012-13*

Health service	Gastrectomy admissions and variance					
	Gastro-oesophageal primary cancer (C15 or C16)	Gastro-oesophageal primary Ca variance from 11/12 - 12/13	Other neoplasms	Other neoplasms variance from 11/12 - 12/13	Total admissions	Total variance
Austin Health Austin	25	12	5	3	30	15
Austin Health Repat	0	0	0	0	0	0
<b>Austin Health Total</b>	<b>25</b>	<b>12</b>	<b>5</b>	<b>3</b>	<b>30</b>	<b>15</b>
Eastern Health Angliss	0	0	0	0	0	0
Eastern Health Box Hill	10	5	2	1	12	6
Eastern Health Maroondah	0	-2	0	-1	0	-3
<b>Eastern Health Total</b>	<b>10</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>12</b>	<b>3</b>
<b>Mercy Hospital for Women</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Northern Health Northern</b>	<b>9</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>10</b>	<b>2</b>
<b>Total public admissions</b>	<b>44</b>	<b>17</b>	<b>8</b>	<b>3</b>	<b>52</b>	<b>20</b>
Epworth Eastern Hospital	16	0	2	-5	18	-5
Mitcham Private Hospital	0		0		0	
Warringal Private Hospital	4	-3	8	0	12	-3
Deidentified Private Hospitals	8		3		11	
<b>Total private admissions</b>	<b>28</b>	<b>-2</b>	<b>13</b>	<b>-2</b>	<b>41</b>	<b>-4</b>
<b>Total admissions</b>	<b>72</b>	<b>15</b>	<b>21</b>	<b>1</b>	<b>93</b>	<b>16</b>

\*Mitcham Private was reported under Deidentified Private Hospitals in 2011-12

Therefore Deidentified Privates show a drop in 2012-13 as Mitcham Private no longer included here

## 11. Upper gastro-intestinal cancers – Hepato-pancreato-biliary (HPB) cancer surgical volumes

The population for data analysis in this section is limited to patients with an acute admission for pancreatic, liver and biliary tract cancers (or HPB: hepato-pancreato-biliary).

### 11.1. Pancreatectomies

[Ref. Table 33 of full report to see 2011/12 volumes data]

Table 14 shows the volume of pancreatectomies undertaken at each site in 2012-13. Table 15 shows the variance from 2011/12 to 2012/13. There is no significant variation between the reported periods.

Table 14 Total number of pancreatectomies by health service by site, 2012-13

Health service	Pancreatectomy admissions			Total admissions 2012-13
	Pancreatectomy for pancreatic primary cancer 2012-13	Pancreatectomy for other neoplasms 2012-13	Ratio (Pancreas cancer/other neoplasms) 2012-13	
Austin Health Austin	16	13	1.23	29
Austin Health Repat	0	0		0
<b>Austin Health Total</b>	<b>16</b>	<b>13</b>	<b>1.23</b>	<b>29</b>
Eastern Health Angliss	0	0		0
Eastern Health Box Hill	4	4	1.00	8
Eastern Health Maroondah	0	0		0
<b>Eastern Health Total</b>	<b>4</b>	<b>4</b>	<b>1.00</b>	<b>8</b>
<b>Mercy Hospital for Women</b>	0	0		0
<b>Northern Health Northern</b>	5	0		5
<b>Total public admissions</b>	<b>25</b>	<b>17</b>	<b>1.47</b>	<b>42</b>
Epworth Eastern Hospital	3	3	1.00	6
Mitcham Private Hospital	0	0		0
Warringal Private Hospital	4	4	1.00	8
Deidentified Private Hospitals	7	3	2.33	10
<b>Total private admissions</b>	<b>14</b>	<b>10</b>	<b>1.40</b>	<b>24</b>
<b>Total admissions</b>	<b>39</b>	<b>27</b>	<b>1.44</b>	<b>66</b>

\*Mitcham Private was reported under Deidentified Private Hospitals in 2011-12

Therefore Deidentified Privates show a drop in 2012-13 as Mitcham Private no longer included here

Table 15 Variance in pancreatotomy procedure volumes between 2011/12-2012/13

Health service	Pancreatotomy variance			
	Pancreatotomy for pancreatic primary cancer variance 11-12 to 12-13	Pancreatotomy for other neoplasms variance 11-12 to 12-13	Ratio (Pancreas cancer/other neoplasms) variance 11-12 to 12-13	Total admissions variance 11-12 to 12-13
Austin Health Austin	-3	3	-0.67	0
Austin Health Repat	0	0	0.00	0
<b>Austin Health Total</b>	<b>-3</b>	<b>3</b>	<b>-0.67</b>	<b>0</b>
Eastern Health Angliss	0	0	0.00	0
Eastern Health Box Hill	0	-1	0.20	-1
Eastern Health Maroondah	0	0	0.00	0
<b>Eastern Health Total</b>	<b>0</b>	<b>-1</b>	<b>0.20</b>	<b>-1</b>
<b>Mercy Hospital for Women</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>
<b>Northern Health Northern</b>	<b>-2</b>	<b>-2</b>	<b>-3.50</b>	<b>-4</b>
<b>Total public admissions</b>	<b>-5</b>	<b>0</b>	<b>-0.29</b>	<b>-5</b>
Epworth Eastern Hospital	-6	0	-2.00	-6
Mitcham Private Hospital*				
Warringal Private Hospital	-2	-3	0.14	-5
Deidentified Private Hospitals				
<b>Total private admissions</b>	<b>-2</b>	<b>-3</b>	<b>0.17</b>	<b>-5</b>
<b>Total admissions</b>	<b>-7</b>	<b>-3</b>	<b>-0.09</b>	<b>-10</b>

## 11.2. Selected liver excision procedures

[Ref. Table 34 of full report to see 2011/12 volumes data]

Table 16 shows the volume of liver and biliary tract excisions undertaken on patients with a diagnosis of liver and biliary tract cancer, liver and biliary tract metastases and other neoplasms at each site in 2012-13. Table 17 shows the variance from 2011/12 to 2012/13. Again, there is a slight trend toward an increasing proportion of procedures been undertaken in the private sector setting (43% in 2012-13 compared to 36% in 2012-13). There is no other significant variation between the reported periods.



Table 16 Total number of liver excision procedures by health service by site, 2012-13

Health service	Liver and biliary tract excision admissions			
	Liver and biliary tract primary cancer (C22 – C24)	Liver and biliary tract secondary cancer (C787)	Other neoplasms	Total admissions
Austin Health Austin	37	24	16	77
Austin Health Repat	0	0	0	0
<b>Austin Health Total</b>	<b>37</b>	<b>24</b>	<b>16</b>	<b>77</b>
Eastern Health Angliss	0	0	0	0
Eastern Health Box Hill	2	8	1	11
Eastern Health Maroondah	0	0	0	0
<b>Eastern Health Total</b>	<b>2</b>	<b>8</b>	<b>1</b>	<b>11</b>
<b>Mercy Hospital for Women</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Northern Health Northern</b>	<b>2</b>	<b>14</b>	<b>0</b>	<b>16</b>
<b>Total public admissions</b>	<b>41</b>	<b>46</b>	<b>17</b>	<b>104</b>
Epworth Eastern Hospital	3	11	5	19
Mitcham Private Hospital	0	0	0	0
Warringal Private Hospital	5	22	5	32
Deidentified Private Hospitals	8	16	4	28
<b>Total private admissions</b>	<b>16</b>	<b>49</b>	<b>14</b>	<b>79</b>
<b>Total admissions</b>	<b>57</b>	<b>95</b>	<b>31</b>	<b>183</b>

Table 17 Variance in liver excision procedure volumes between 2011/12-2012/13

Health service	Liver and biliary tract excision admissions variance 2011-12 to 2012-13			
	Liver and biliary tract primary cancer (C22 – C24)	Liver and biliary tract secondary cancer (C787)	Other neoplasms	Total variance
Austin Health Austin	0	-1	7	6
Austin Health Repat	0	0	0	0
<b>Austin Health Total</b>	<b>0</b>	<b>-1</b>	<b>7</b>	<b>6</b>
Eastern Health Angliss	0	0	0	0
Eastern Health Box Hill	-1	2	-3	-2
Eastern Health Maroondah	0	0	0	0
<b>Eastern Health Total</b>	<b>-1</b>	<b>2</b>	<b>-3</b>	<b>-2</b>
<b>Mercy Hospital for Women</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Northern Health Northern</b>	<b>-1</b>	<b>7</b>	<b>0</b>	<b>6</b>
<b>Total public admissions</b>	<b>-2</b>	<b>8</b>	<b>4</b>	<b>10</b>
Epworth Eastern Hospital	3	11	5	19
Mitcham Private Hospital				
Warringal Private Hospital	3	11	0	14
Deidentified Private Hospitals				
<b>Total private admissions</b>	<b>10</b>	<b>12</b>	<b>3</b>	<b>25</b>
<b>Total admissions</b>	<b>8</b>	<b>20</b>	<b>7</b>	<b>35</b>

\*Mitcham Private was reported under Deidentified Private Hospitals in 2011-12

Therefore Deidentified Privates show a drop in 2012-13 as Mitcham Private no longer included here

## **12. Bone marrow transplants**

*[Ref. Table 35 of full report to see 2011/12 volumes data]*

8 fewer autologous transplants were undertaken by NEMICS providers in 2012-13 than in 2011-12.