

**THE BRITISH ASSOCIATION OF  
UROLOGICAL SURGEONS  
Section of Oncology**

**Analyses of Radical Prostatectomies performed between**

**January 1<sup>st</sup> and December 31<sup>st</sup> 2015**

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## AUDIT RESULTS SUMMARY – Radical Prostatectomy dataset

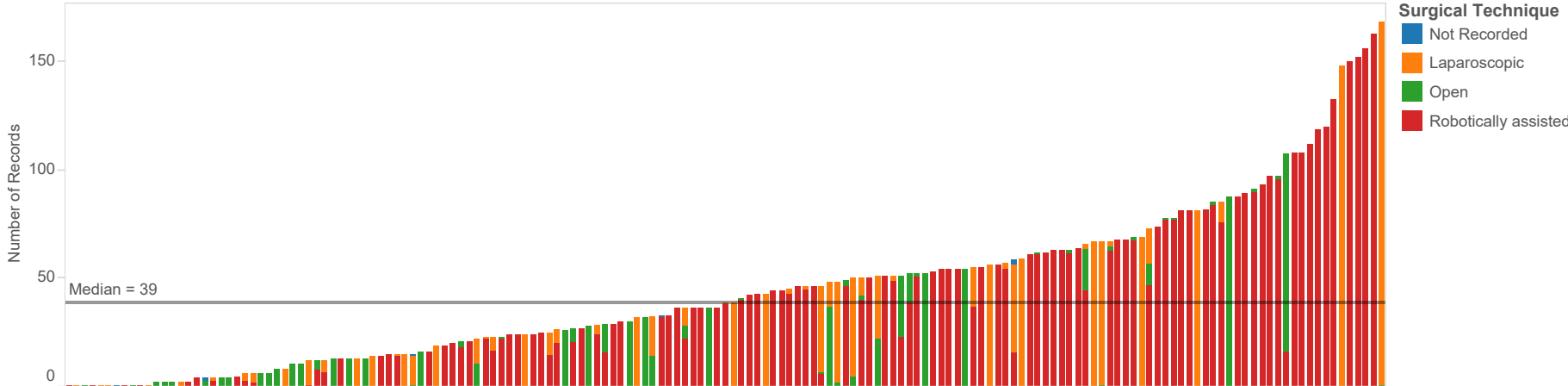
All the data presented here are a summary of the data extracted from the web-based database on 15<sup>th</sup> August 2016 and relate to operations performed during the whole of 2015. Once extracted the data was transferred to an Access<sup>TM</sup> database for validation before being imported into Tableau<sup>TM</sup> for generation of the analyses. The validation mainly comprised checks for duplicate and / or empty entries and invalid / inappropriate dates.

The data collection period was from 1 January 2015 to 31 December 2015.

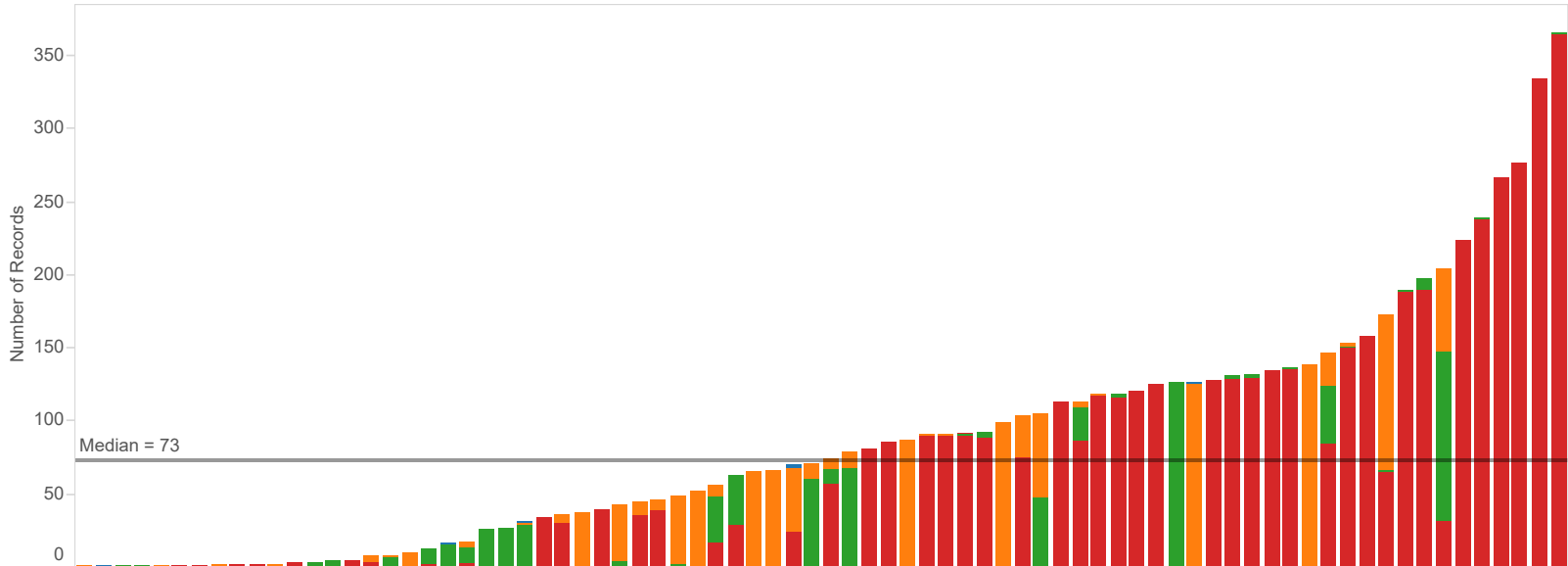
- 7,372 cases were submitted in total, of which 6,993 were from England. The 7,372 cases came from 165 consultants at 80 sites and include 636 private patients from 65 consultants.
- Median number of cases per consultant: 39 (range 1 - 163)
- Median number of cases per centre: 73 (range 1 - 366)
- The overall transfusion rate was 0.7% By technique, the transfusion rates were: open 2.6%, laparoscopic 0.9% and robotic 0.4%.
- 6,331 of the entries recorded whether there had been post-operative complications. The total post-op complication rate was 7.1% (451/6331). Of these 491 cases - 378 recorded the Clavien Dindo grade (i.e. 73 or 16.2% did not). The Clavien Dindo Grade III plus complication rate was 1.6%.
- Hospital Episode Statistics (HES) for 2015 indicate that there were 7,095 radical prostatectomies undertaken so we collected data on 98.5% of the radical prostatectomies undertaken in England in 2015. Of these 74.3% were robotic assisted, 15.9% laparoscopic, 9.8% open.

# 2015 Radical Prostatectomies -7372 cases reported by 165 consultants from 80 sites (including 636 private cases from 65 consultants)

**Total by Consultant**



**TotalbyCentre**



### Reason for Prostatectomy

Reason For Prostatectomy	N	% Total
Primary treatment of cancer	5,882	79.79%
Previous active surveillance	871	11.81%
Salvage therapy	61	0.83%
Null	558	7.57%
<b>Grand Total</b>	<b>7,372</b>	<b>100.00%</b>

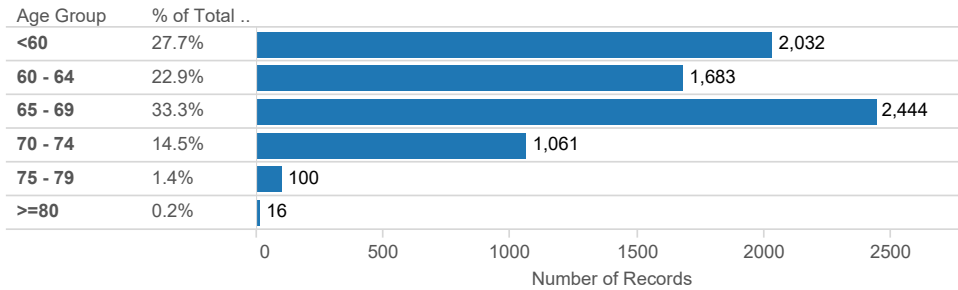
### Reason if Previous Active surveillance

If Previous Active Surveillan..	N	% Total
Not recorded	123	14.1%
Clinical progression	91	10.4%
Clinical progression + Other	8	0.9%
Gleason progression	235	27.0%
Gleason progression + Other	24	2.8%
Patient decision	94	10.8%
PSA progression +/- other	296	34.0%
<b>Grand Total</b>	<b>871</b>	<b>100.0%</b>

### Previous Management

Previous Management	N	% Total
None	6,217	84.33%
Brachytherapy	12	0.16%
HIFU	21	0.28%
Radiotherapy	159	2.16%
TURP	96	1.30%
Null	820	11.12%
Cryotherapy	3	0.04%
Hormonal suppression ther..	44	0.60%
<b>Grand Total</b>	<b>7,372</b>	<b>100.00%</b>

### Age



### Surgical Technique

Surgical Technique	N	% Total
Open	769	10.43%
Laparoscopic	1,302	17.66%
Robotically assisted	5,295	71.83%
Not Recorded	6	0.08%
<b>Grand Total</b>	<b>7,372</b>	<b>100.00%</b>

### Median Age

Surgical Technique	N	Median Age	Min. Age	Max. Age
Open	753	66	42	75
Laparoscopic	1,279	64	40	75
Robotically assisted	5,220	64	40	75
Not Recorded	6	66	49	73
<b>Grand Total</b>	<b>7,258</b>	<b>64</b>	<b>40</b>	<b>75</b>

### BMI

Surgical Technique	Underweight		Normal		overweight		Obese		Grand Total	
	%	N	%	N	%	N	%	N	%	N
Open	0.28%	1	24.23%	87	50.42%	181	25.07%	90	100.00%	359
Laparoscopic	0.12%	1	25.87%	208	46.02%	370	27.99%	225	100.00%	804
Robotically assisted	0.16%	5	26.39%	836	51.61%	1,635	21.84%	692	100.00%	3,168
Not Recorded			100.00%	3					100.00%	3
<b>Grand Total</b>	<b>0.16%</b>	<b>7</b>	<b>26.17%</b>	<b>1,134</b>	<b>50.44%</b>	<b>2,186</b>	<b>23.23%</b>	<b>1,007</b>	<b>100.00%</b>	<b>4,334</b>

### ASA Grade

Asa Grade	N	% Total
ASA 1	2,233	30.29%
ASA 2	3,743	50.77%
ASA 3	165	2.24%
ASA 4	1	0.01%
Not recorded	1,230	16.68%
<b>Grand Total</b>	<b>7,372</b>	<b>100.00%</b>

### Clinical T stage

Clinical T Stage (gro..	N	% Total
0	28	0.38%
1	1,263	17.13%
2	4,051	54.95%
3	1,278	17.34%
4	6	0.08%
Not recorded / Known	746	10.12%
<b>Grand Total</b>	<b>7,372</b>	<b>100.00%</b>

### Comparison of Clinical and Pathological T stage

Clinical T St..	Pathological T Stage (group)													
	0		1		2		3		4		Not recorded / Known		Grand Total	
	%	N	%	N	%	N	%	N	%	N	%	N	%	N
0	7.14%	2			60.71%	17	10.71%	3			21.43%	6	100.00%	28
1	0.16%	2	0.08%	1	62.23%	786	29.85%	377	0.08%	1	7.60%	96	100.00%	1,263
2	0.12%	5			54.85%	2,222	38.90%	1,576	0.22%	9	5.90%	239	100.00%	4,051
3					25.59%	327	65.57%	838	1.10%	14	7.75%	99	100.00%	1,278
4					16.67%	1	66.67%	4	16.67%	1			100.00%	6
Not recorded..			0.13%	1	30.03%	224	16.22%	121	0.27%	2	53.35%	398	100.00%	746
<b>Grand Total</b>	<b>0.12%</b>	<b>9</b>	<b>0.03%</b>	<b>2</b>	<b>48.52%</b>	<b>3,577</b>	<b>39.60%</b>	<b>2,919</b>	<b>0.37%</b>	<b>27</b>	<b>11.37%</b>	<b>838</b>	<b>100.00%</b>	<b>7,372</b>

### Clinical Stage by Pre-op PSA

Clinical T Stage (gr..	Pre-operative PSA										Grand Total	
	0-5		6-10		11-20		21-50		>50		N	%
	N	%	N	%	N	%	N	%	N	%		
0	6	22.2%	16	59.3%	5	18.5%					27	100.0%
1	263	21.3%	687	55.7%	234	19.0%	48	3.9%	2	0.2%	1,234	100.0%
2	699	17.6%	2,058	51.8%	1,016	25.6%	188	4.7%	15	0.4%	3,976	100.0%
3	189	15.0%	535	42.5%	354	28.1%	162	12.9%	18	1.4%	1,258	100.0%
4	1	16.7%	3	50.0%			1	16.7%	1	16.7%	6	100.0%
<b>Grand T..</b>	<b>1,158</b>	<b>17.8%</b>	<b>3,299</b>	<b>50.7%</b>	<b>1,609</b>	<b>24.8%</b>	<b>399</b>	<b>6.1%</b>	<b>36</b>	<b>0.6%</b>	<b>6,501</b>	<b>100.0%</b>

### Median pre-operative PSA

Surgical Technique	N	% Total	Average	Median
Open	678	10.2%	10	8
Laparoscopic	1,172	17.7%	9	8
Robotically assisted	4,764	72.0%	9	8
Not Recorded	6	0.1%	13	15
<b>Grand Total</b>	<b>6,620</b>	<b>100.0%</b>	<b>9</b>	<b>8</b>

### Pathological Staging by Pre-op PSA

Pathological T Stage (gr..	Pre-operative PSA										Grand Total	
	0-5		6-10		11-20		21-50		>50		N	%
	N	%	N	%	N	%	N	%	N	%		
0	2	25.00%	4	50.00%	2	25.00%					8	100.00%
1			1	100.00%							1	100.00%
2	749	21.63%	1,880	54.29%	720	20.79%	109	3.15%	5	0.14%	3,463	100.00%
3	379	13.36%	1,319	46.49%	835	29.43%	279	9.83%	25	0.88%	2,837	100.00%
4	2	8.33%	8	33.33%	10	41.67%	2	8.33%	2	8.33%	24	100.00%
<b>Grand Total</b>	<b>1,132</b>	<b>17.87%</b>	<b>3,212</b>	<b>50.72%</b>	<b>1,567</b>	<b>24.74%</b>	<b>390</b>	<b>6.16%</b>	<b>32</b>	<b>0.51%</b>	<b>6,333</b>	<b>100.00%</b>

### Age at Operation by Biopsy Gleason Sum

Age Group	Biopsy Gleason Sum Score						Grand Total	
	5 - 6		7		8 - 10		N	%
	N	%	N	%	N	%		
<60	486	25.50%	1,251	65.63%	169	8.87%	1,906	100.00%
60 - 64	310	19.82%	1,060	67.77%	194	12.40%	1,564	100.00%
65 - 69	449	19.82%	1,565	69.09%	251	11.08%	2,265	100.00%
70 - 74	143	14.56%	687	69.96%	152	15.48%	982	100.00%
75 - 79	11	11.58%	66	69.47%	18	18.95%	95	100.00%
>=80	6	40.00%	9	60.00%			15	100.00%
<b>Grand Total</b>	<b>1,405</b>	<b>20.58%</b>	<b>4,638</b>	<b>67.94%</b>	<b>784</b>	<b>11.48%</b>	<b>6,827</b>	<b>100.00%</b>

### Age at Operation by Surgical Gleason Sum Score

Age Group	Surgical Gleason Sum Score						Grand Total	
	5 - 6		7		8 - 10		N	%
	N	%	N	%	N	%		
<60	251	14.02%	1,409	78.72%	130	7.26%	1,790	100.00%
60 - 64	133	9.01%	1,202	81.44%	141	9.55%	1,476	100.00%
65 - 69	212	9.92%	1,721	80.50%	205	9.59%	2,138	100.00%
70 - 74	68	7.27%	763	81.60%	104	11.12%	935	100.00%
75 - 79	5	5.75%	63	72.41%	19	21.84%	87	100.00%
>=80	1	8.33%	10	83.33%	1	8.33%	12	100.00%
<b>Grand Total</b>	<b>670</b>	<b>10.41%</b>	<b>5,168</b>	<b>80.27%</b>	<b>600</b>	<b>9.32%</b>	<b>6,438</b>	<b>100.00%</b>

## Operating Surgeon

Grade Of Main Op..	Supervised Training Operation						Grand Total	
	No		Yes		Not recorded		N	%
	N	%	N	%	N	%		
Consultant	868	13.62%	196	3.07%	5,310	83.31%	6,374	100.00%
SpR	2	0.54%	352	95.91%	13	3.54%	367	100.00%
Other			2	13.33%	13	86.67%	15	100.00%
Not recorded	5	0.81%	1	0.16%	610	99.03%	616	100.00%
<b>Grand Total</b>	<b>875</b>	<b>11.87%</b>	<b>551</b>	<b>7.47%</b>	<b>5,946</b>	<b>80.66%</b>	<b>7,372</b>	<b>100.00%</b>

## Conversions

Surgical Technique	Converted						Grand Total	
	Yes		No		Not recorded		N	%
	N	%	N	%	N	%		
Laparoscopic	7	0.54%	1,134	87.10%	161	12.37%	1,302	100.00%
Robotically assisted	14	0.26%	4,750	89.71%	531	10.03%	5,295	100.00%
<b>Grand Total</b>	<b>21</b>	<b>0.32%</b>	<b>5,884</b>	<b>89.19%</b>	<b>692</b>	<b>10.49%</b>	<b>6,597</b>	<b>100.00%</b>

## Duration of Operation by Technique

Duration Of ..	Surgical Technique						Grand Total	
	Open		Laparoscopic		Robotically assisted		N	%
	N	%	N	%	N	%		
<2.0 hours	171	11.52%	211	14.22%	1,102	74.26%	1,484	100.00%
2.0-3.9 hours	388	8.51%	819	17.97%	3,350	73.51%	4,557	100.00%
4.0-5.9 hours	46	7.76%	94	15.85%	453	76.39%	593	100.00%
>= 6.0 hours	2	6.25%	8	25.00%	22	68.75%	32	100.00%
Not recorded	162	23.14%	170	24.29%	368	52.57%	700	100.00%
<b>Grand Total</b>	<b>769</b>	<b>10.44%</b>	<b>1,302</b>	<b>17.68%</b>	<b>5,295</b>	<b>71.88%</b>	<b>7,366</b>	<b>100.00%</b>

## Nerve Sparing

Nerve Sparing	N	% Total
None	2,483	33.68%
Bilateral	2,272	30.82%
Unilateral	1,835	24.89%
Not recorded	782	10.61%
<b>Grand Total</b>	<b>7,372</b>	<b>100.00%</b>

## Lymph Node Dissection

Lymph Node Dissection	N	% Total
None	4,205	57.04%
Extended	1,421	19.28%
Obturator fossae	1,108	15.03%
Not recorded	638	8.65%
<b>Grand Total</b>	<b>7,372</b>	<b>100.00%</b>



### KnownTransfusionRate

Transfused	N	% Total
Not transfused	6,717	99.38%
Transfused	42	0.62%
<b>Grand Total</b>	<b>6,759</b>	<b>100.00%</b>

### Tranfusions by Surgical Technique

Blood Units Transf..	Surgical Technique						Grand Total	
	Open		Laparoscopic		Robotically assisted		N	%
	N	%	N	%	N	%		
Nil	638	9.50%	1,116	16.62%	4,959	73.87%	6,713	100.00%
Minor (<3 units)	12	38.71%	8	25.81%	11	35.48%	31	100.00%
Moderate (3-6 units)	4	40.00%	1	10.00%	5	50.00%	10	100.00%
Major (>6 units)	1	100.00%					1	100.00%
Not recorded	114	18.66%	177	28.97%	320	52.37%	611	100.00%
<b>Grand Total</b>	<b>769</b>	<b>10.44%</b>	<b>1,302</b>	<b>17.68%</b>	<b>5,295</b>	<b>71.88%</b>	<b>7,366</b>	<b>100.00%</b>

### TransfusionRatebyAge

Age Group	Transfused		Not transfused		Grand Total	
	N	%	N	%	N	%
<60	13	0.70%	1,844	99.30%	1,857	100.00%
60 - 64	5	0.33%	1,527	99.67%	1,532	100.00%
65 - 69	17	0.76%	2,226	99.24%	2,243	100.00%
70 - 74	5	0.51%	977	99.49%	982	100.00%
75 - 79			95	100.00%	95	100.00%
>=80			16	100.00%	16	100.00%
<b>Grand Total</b>	<b>40</b>	<b>0.59%</b>	<b>6,685</b>	<b>99.41%</b>	<b>6,725</b>	<b>100.00%</b>

### TransfusionRatebyTechnique

Surgical Technique	Transfused		Not transfused		Grand Total	
	%	N	%	N	%	N
Open	2.60%	17	97.40%	638	100.00%	655
Laparoscopic	0.80%	9	99.20%	1,116	100.00%	1,125
Robotically assisted	0.32%	16	99.68%	4,959	100.00%	4,975
Not Recorded			100.00%	4	100.00%	4
<b>Grand Total</b>	<b>0.62%</b>	<b>42</b>	<b>99.38%</b>	<b>6,717</b>	<b>100.00%</b>	<b>6,759</b>

### TransfusionRatebyASA

Asa Grade	Transfused		Not transfused		Grand Total	
	N	%	N	%	N	%
ASA 1	11	0.52%	2,087	99.48%	2,098	100.00%
ASA 2	25	0.69%	3,586	99.31%	3,611	100.00%
ASA 3	2	1.28%	154	98.72%	156	100.00%
ASA 4			1	100.00%	1	100.00%
Not recorded	4	0.45%	889	99.55%	893	100.00%
<b>Grand Total</b>	<b>42</b>	<b>0.62%</b>	<b>6,717</b>	<b>99.38%</b>	<b>6,759</b>	<b>100.00%</b>

### KnownIntraopCompRate

Intra Operative Complic..	N	% Total
Complication recorded	356	5.26%
None	6,418	94.74%
<b>Grand Total</b>	<b>6,774</b>	<b>100.00%</b>

### Known Post-operative Complication rate

Postop Comps1	N	% Total
None	6,012	93.04%
Post op Complication	450	6.96%
<b>Grand Total</b>	<b>6,462</b>	<b>100.00%</b>

### Clavien Dindo Grade of Post-Operative Complications by Technique

Postop Com..	Clavien Dind..	Surgical Technique								Grand Total	
		Laparoscopic		Open		Robotically assisted		Not Recorded			
		N	% Total	N	% Total	N	% Total	N	% Total	N	% Total
Post op Complication	Grade I	39	3.51%	15	2.14%	93	2.00%			147	2.27%
	Grade II	32	2.88%	24	3.42%	75	1.61%			131	2.03%
	Grade III plus	21	1.89%	17	2.42%	61	1.31%			99	1.53%
	Not recorded	17	1.53%	13	1.85%	42	0.90%	1	25.00%	73	1.13%
	<b>Total</b>	109	9.81%	69	9.83%	271	5.83%	1	25.00%	450	6.96%
<b>Grand Total</b>		1,111	100.00%	702	100.00%	4,645	100.00%	4	100.00%	6,462	100.00%

### KnownIntraopCompRate

Intra Operative Complic..	N	% Total
Complication recorded	356	5.26%
None	6,418	94.74%
<b>Grand Total</b>	<b>6,774</b>	<b>100.00%</b>

### Known Post-operative Complication rate

Postop Comps1	N	% Total
None	6,012	93.04%
Post op Complication	450	6.96%
<b>Grand Total</b>	<b>6,462</b>	<b>100.00%</b>

### Clavien Dindo Grade of Post-Operative Complications by Technique

Postop Com..	Clavien Dind..	Surgical Technique								Grand Total	
		Laparoscopic		Open		Robotically assisted		Not Recorded			
		N	% Total	N	% Total	N	% Total	N	% Total	N	% Total
Post op Complication	Grade I	39	3.51%	15	2.14%	93	2.00%			147	2.27%
	Grade II	32	2.88%	24	3.42%	75	1.61%			131	2.03%
	Grade III plus	21	1.89%	17	2.42%	61	1.31%			99	1.53%
	Not recorded	17	1.53%	13	1.85%	42	0.90%	1	25.00%	73	1.13%
	<b>Total</b>	109	9.81%	69	9.83%	271	5.83%	1	25.00%	450	6.96%
<b>Grand Total</b>		1,111	100.00%	702	100.00%	4,645	100.00%	4	100.00%	6,462	100.00%

## Specific Intraoperative Complications

Intra Operative Complications	N	% Total
Difficult dissection	222.0	62.36%
Problematic bleeding	51.0	14.33%
Problematic bleeding,Difficult dissection	39.0	10.96%
Rectal injury	14.0	3.93%
Ureteric injury	2.0	0.56%
Vascular injury	3.0	0.84%
Robotic device failure	4.0	1.12%
Port complications	5.0	1.40%
None,Difficult dissection	1.0	0.28%
Difficult dissection,Rectal injury	3.0	0.84%
Difficult dissection,Small bowel injury	1.0	0.28%
Problematic bleeding,Difficult dissection,Rectal injury	1.0	0.28%
Problematic bleeding,Difficult dissection,Port complications	2.0	0.56%
Nerve injury	2.0	0.56%
Difficult dissection,Port complications	2.0	0.56%
None,Robotic device failure	1.0	0.28%
Problematic bleeding,Vascular injury	1.0	0.28%
Small bowel injury	2.0	0.56%
<b>Grand Total</b>	<b>356.0</b>	<b>100.00%</b>

## Specific Post operative complications

PostOperativeComplication..	N	% Total
Anastomotic leak	36.0	8.00%
Anastomotic leak + others	6.0	1.33%
Chest infection	13.0	2.89%
Chest infection + Others	3.0	0.67%
Haematuria	25.0	5.56%
Haematuria + Others	4.0	0.89%
Haemorrhage / bleeding	19.0	4.22%
Haemorrhage + Others	7.0	1.56%
Ileus	18.0	4.00%
Ileus + Others	7.0	1.56%
Lymphocoele & Lymphocoe..	19.0	4.22%
PE / DVT	9.0	2.00%
PE / DVT,Lymphocoele	1.0	0.22%
Pelvic haematoma, Pelvic h..	24.0	5.33%
Return to theatre	6.0	1.33%
Return to theatre,Other	7.0	1.56%
Sepsis	20.0	4.44%
Sepsis + Others	8.0	1.78%
Urine leak	28.0	6.22%
Urine leak + Others	7.0	1.56%
Wound infection	28.0	6.22%
Wound infection + Others	6.0	1.33%
Other complication	149.0	33.11%
<b>Grand Total</b>	<b>450.0</b>	<b>100.00%</b>

## LOSbyTechnique

Surgical Technique	N	Median Length Of Stay	Min. Length Of Stay	Max. Length Of Stay
Open	723	3.0	0	26
Laparoscopic	1,147	2.0	0	62
Robotically assisted	4,999	1.0	0	57
Not Recorded	4	2.0	1	4
<b>Grand Total</b>	<b>6,873</b>	<b>2.0</b>	<b>0</b>	<b>62</b>

## pT2 Positive Surgical Margin Rate

Margins (group) 1	N	% Total
Positive	533	15.19%
Negative	2,976	84.81%
<b>Grand Total</b>	<b>3,509</b>	<b>100.00%</b>

## pT2 Margins by Technique

Surgical Technique	Margins (group) 1				Grand Total	
	Positive		Negative		N	%
	N	%	N	%		
Open	77	18.87%	331	81.13%	408	100.00%
Laparoscopic	94	15.06%	530	84.94%	624	100.00%
Robotically assisted	362	14.62%	2,114	85.38%	2,476	100.00%
Not Recorded			1	100.00%	1	100.00%
<b>Grand Total</b>	<b>533</b>	<b>15.19%</b>	<b>2,976</b>	<b>84.81%</b>	<b>3,509</b>	<b>100.00%</b>

## Positive Lymph Nodes

Number Of Lymph ..	Number Of Positive Lymph Nodes (group)								Grand Total			
	0		1 - 5		6 - 10		11 - 20		Not recorded		N	%
	N	%	N	%	N	%	N	%	N	%		
1 - 5	730	93.59%	33	4.23%	1	0.13%	2	0.26%	14	1.79%	780	100.00%
6 - 10	614	89.64%	59	8.61%	1	0.15%			11	1.61%	685	100.00%
11 - 20	533	82.64%	91	14.11%	8	1.24%	2	0.31%	11	1.71%	645	100.00%
> 20	202	81.12%	36	14.46%	4	1.61%	2	0.80%	5	2.01%	249	100.00%
<b>Grand Total</b>	<b>2,079</b>	<b>88.13%</b>	<b>219</b>	<b>9.28%</b>	<b>14</b>	<b>0.59%</b>	<b>6</b>	<b>0.25%</b>	<b>41</b>	<b>1.74%</b>	<b>2,359</b>	<b>100.00%</b>

## Current Status

Current Status	TimetoFu months								Grand Total	
	0 - 3		4 - 6		7 - 12		> 12			
	N	% Total	N	% Total	N	% Total	N	% Total	N	% Total
Alive with no evidence of prostate cancer	722	82.42%	432	94.74%	367	89.08%	66	91.67%	1,587	87.39%
Alive with local recurrence of prostate cancer	18	2.05%	8	1.75%	20	4.85%	2	2.78%	48	2.64%
Alive with lymph node involvement by prostate cancer	9	1.03%	3	0.66%	5	1.21%	1	1.39%	18	0.99%
Alive with metastatic disease	4	0.46%			4	0.97%			8	0.44%
Not recorded	123	14.04%	13	2.85%	16	3.88%	3	4.17%	155	8.54%
<b>Grand Total</b>	<b>876</b>	<b>100.00%</b>	<b>456</b>	<b>100.00%</b>	<b>412</b>	<b>100.00%</b>	<b>72</b>	<b>100.00%</b>	<b>1,816</b>	<b>100.00%</b>

## Participating Hospital Centres 2015

We are grateful to consultants from the following NHS Centres / trusts who returned data for these analyses:

Aberdeen Royal Infirmary  
Addenbrooke's Hospital, Cambridge  
Alexandra Hospital, Redditch  
Arrowe Park Hospital, Wirral  
Barking, Havering And Redbridge University Hospital  
Basildon University Hospital, Essex  
Belfast City Hospital  
Bradford Royal Infirmary  
Bristol Oncology Centre; United Bristol Health Care  
Burnley General Hospital  
Castle Hill Hospital, Hull  
Charing Cross Hospital, London  
Chelsea & Westminster Hospital, London  
Cheltenham General Hospital  
Christie Hospital  
Churchill Hospital, Oxford  
Colchester General Hospital  
Countess of Chester Hospital  
Darent Valley Hospital, Kent  
Derriford Hospital, Plymouth  
Diana, Princess of Wales Hospital, Grimsby  
Eastbourne District General Hospital  
Freeman Hospital, Newcastle  
Fulwood Hall Hospital

Guy's & Thomas's Hospital  
Kent and Canterbury Hospital  
Leicester General Hospital  
Lincoln County Hospital  
Lister Hospital, Stevenage  
Maidstone Hospital  
Manchester Royal Infirmary  
Medway Maritime Hospital, Gillingham  
Morrison Hospital, Swansea  
New Cross Hospital, Wolverhampton  
Norfolk And Norwich University Hospital  
Nottingham City Hospital  
Pinderfields General Hospital, Wakefield  
Princess Elizabeth Hospital, Guernsey  
Queen Alexandra Hospital, Portsmouth  
Queen Elizabeth Hospital, Birmingham  
Raigmore Hospital, Inverness  
Royal Blackburn Hospital  
Royal Berkshire Hospital, Reading  
Royal Bournemouth General Hospital  
Royal Derby Hospital  
Royal Devon and Exeter Hospital  
Royal Free Hospital, London  
Royal Hallamshire Hospital, Sheffield  
Royal Liverpool University Hospital  
Royal Marsden Hospital, London

Royal Preston Hospital  
Royal Shrewsbury Hospital  
Royal Stoke University Hospital  
Royal Surrey County Hospital, Guildford  
Royal Sussex County Hospital, Brighton  
Royal United Hospital, Bath  
Salford Royal Hospital  
Southampton General Hospital  
Southend Hospital  
Southmead Hospital, Bristol  
St George's Hospital, London  
St James's Hospital, Dublin  
St James's University Hospital, Leeds  
St Mary's Hospital, London  
Stepping Hill Hospital, Stockport  
Sunderland Royal Hospital  
The James Cook University Hospital, Middlesbrough  
University College Hospital, London  
University Hospital of Wales, Cardiff  
Victoria Hospital, Kirkcaldy  
Walsgrave Hospital, Coventry  
Western General Hospital, Edinburgh  
Wexham Park Hospital, Slough  
Wycombe Hospital, High Wycombe  
Ysbyty Gwynedd Hospital, Bangor