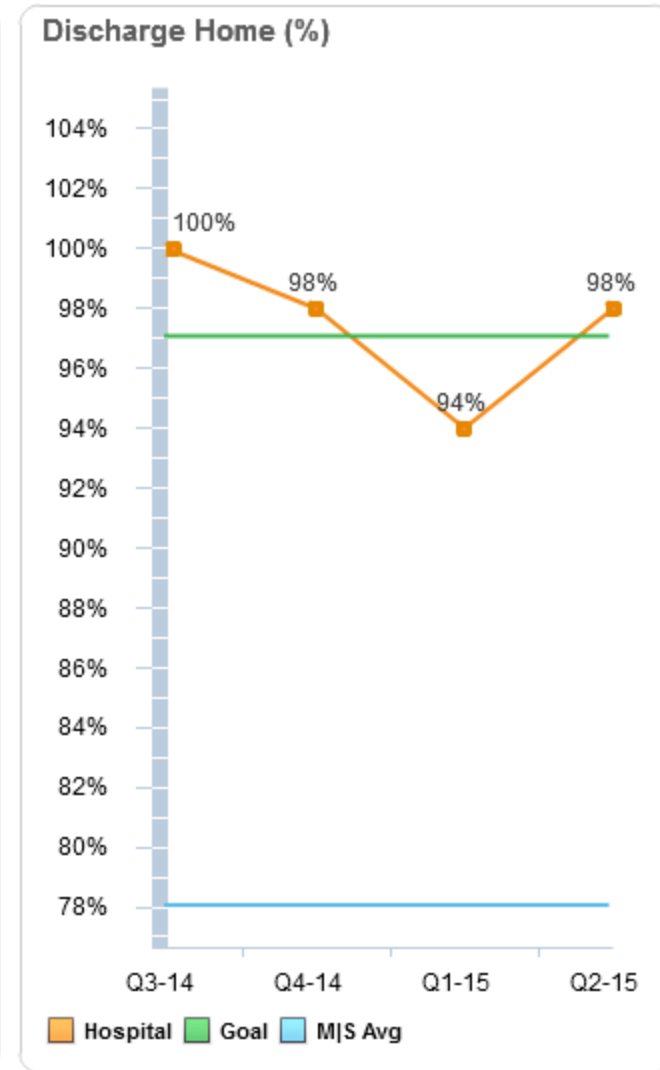
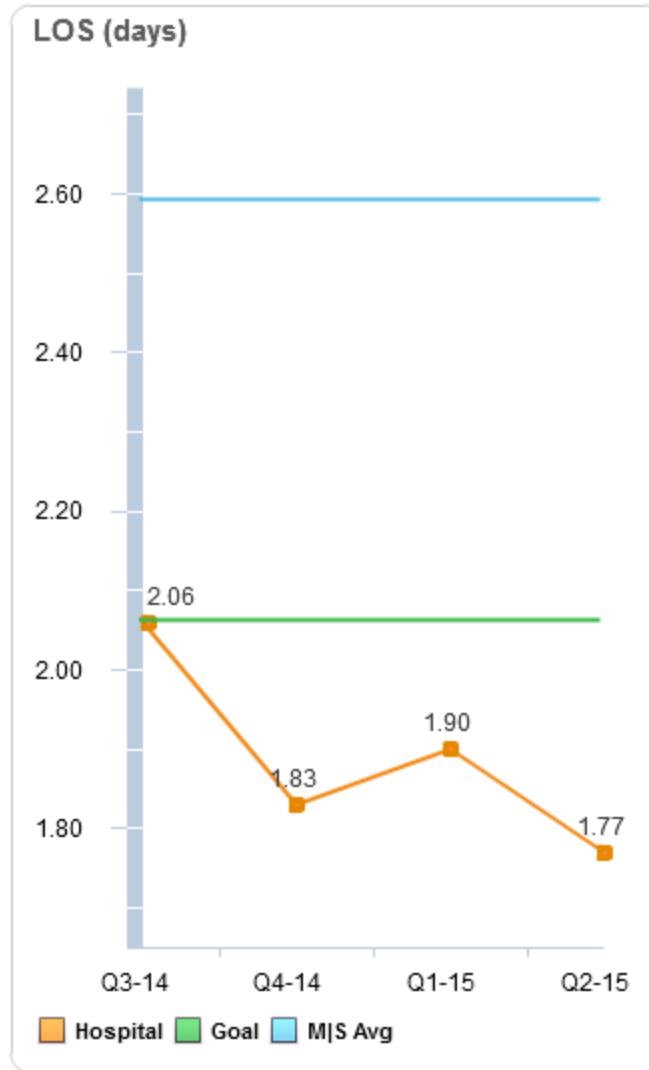
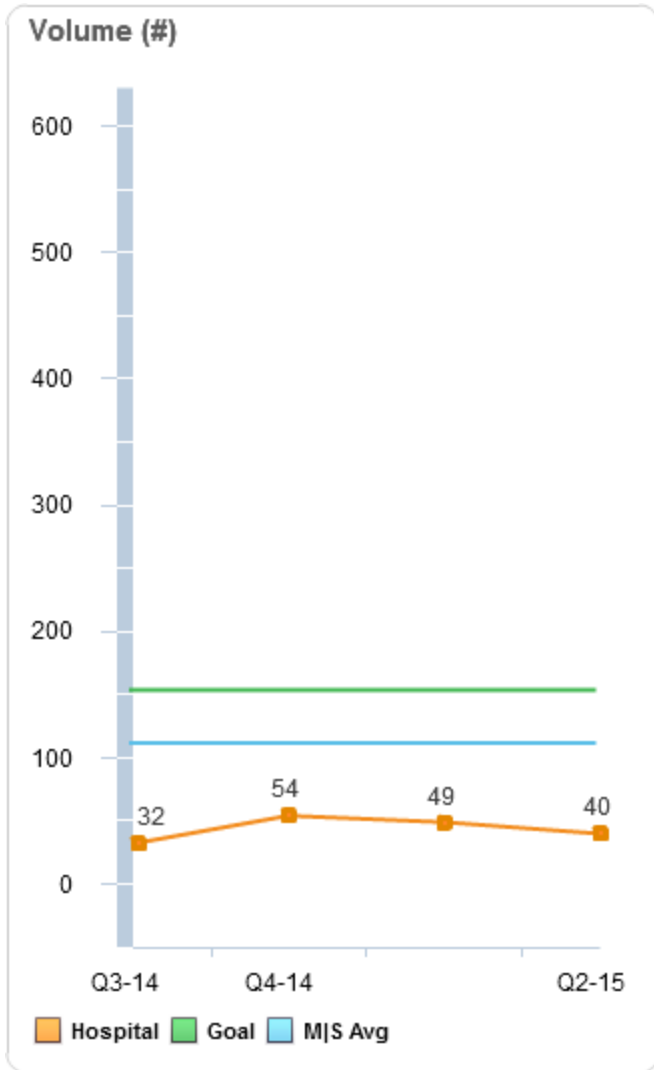


# Hospital Reported Outcomes

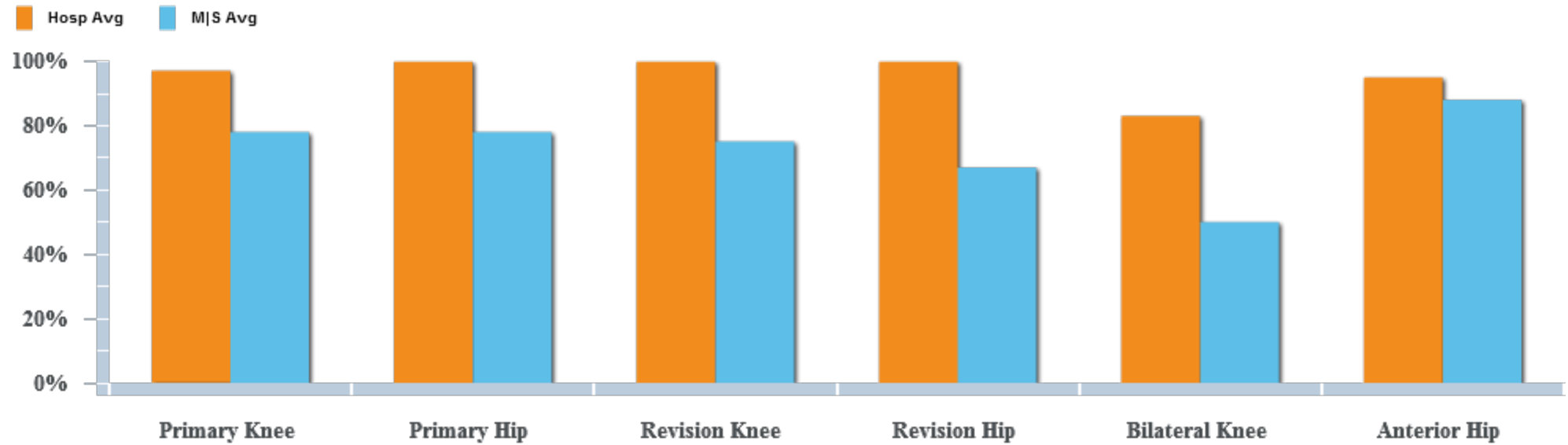
## Joint Replacement

July 2014 - June 2015

Operational

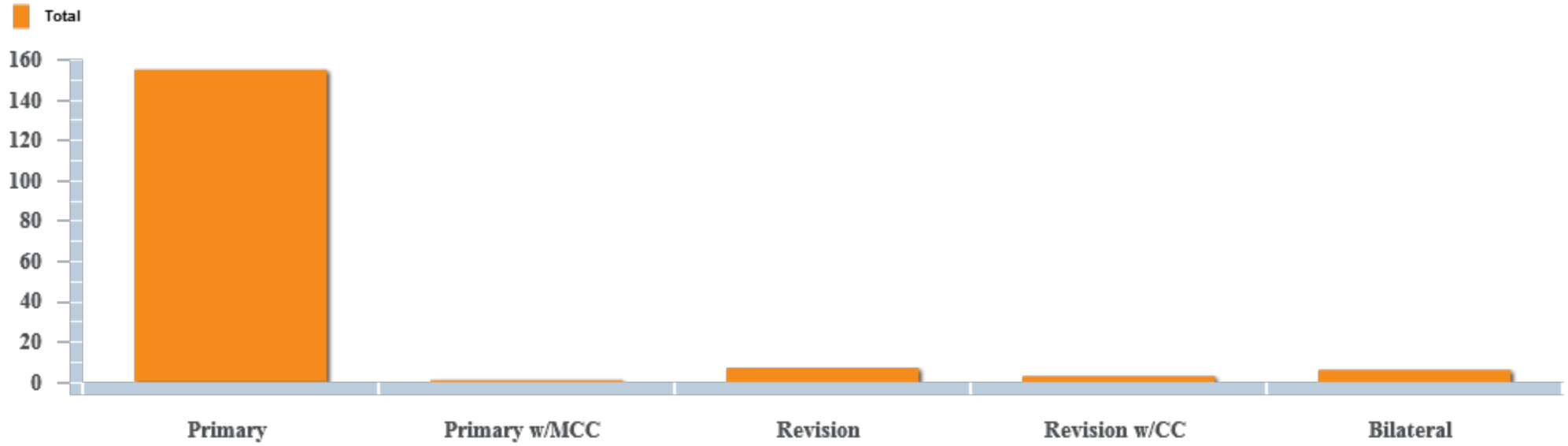


% Home by Procedure



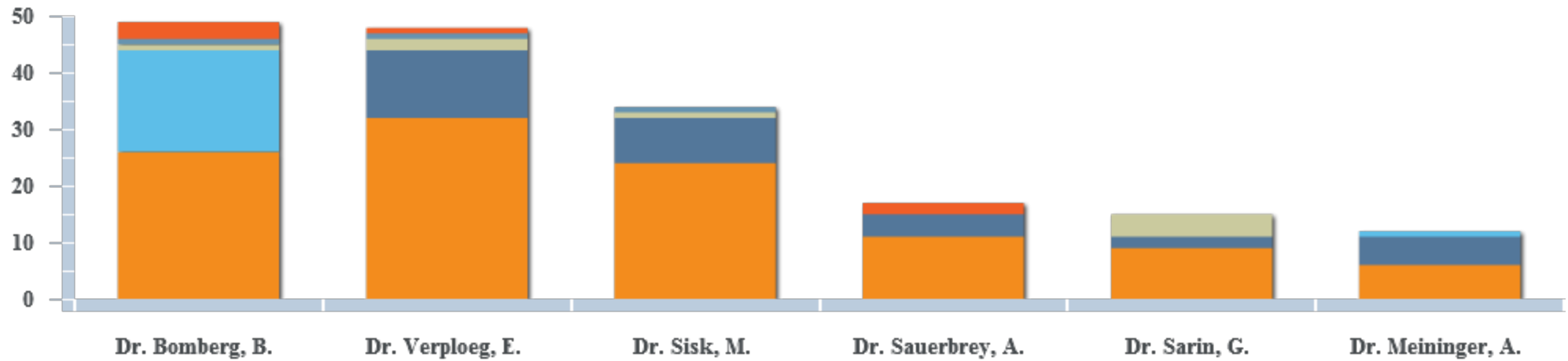
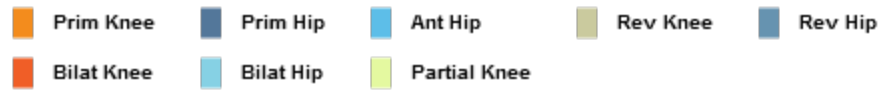
Procedure	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M S Avg
Primary Knee	100%	97%	92%	100%	97%	78%
Primary Hip	100%	100%	100%	100%	100%	78%
Revision Knee	100%	100%	100%	100%	100%	75%
Revision Hip	-	100%	100%	-	100%	67%
Bilateral Knee	-	100%	100%	0%	83%	50%
Anterior Hip	100%	100%	88%	100%	95%	88%
Average	100%	98%	94%	98%	97%	78%

### Case Volume by Comorbidity



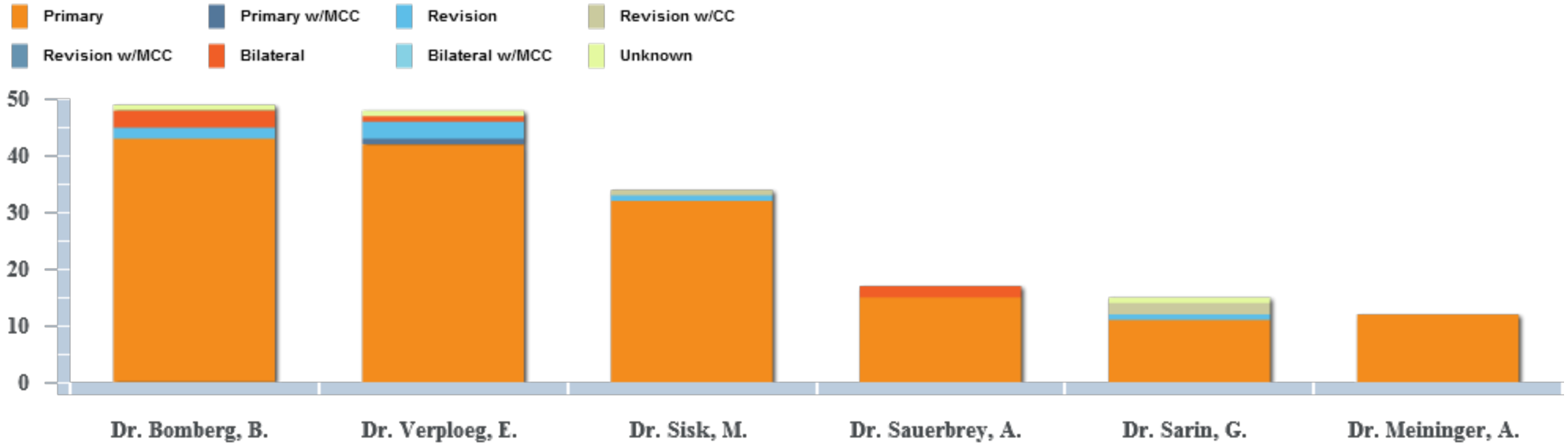
Comorbidity	Q3-14	Q4-14	Q1-15	Q2-15	Total
Primary	29	47	42	37	155
Primary w/MCC	-	-	-	1	1
Revision	1	3	3	-	7
Revision w/CC	1	1	-	1	3
Bilateral	-	3	2	1	6
<b>Total</b>	<b>31</b>	<b>54</b>	<b>47</b>	<b>40</b>	<b>172</b>

### Procedure by Surgeon



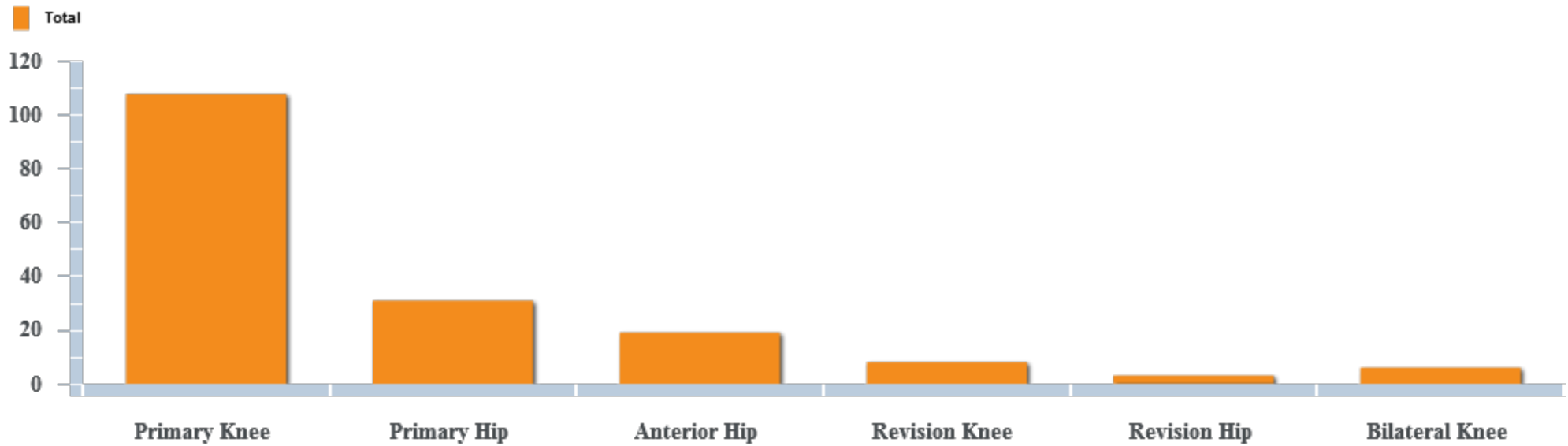
Surgeon	Case Volume	Prim Knee	Prim Hip	Ant Hip	Rev Knee	Rev Hip	Bilat Knee	Bilat Hip	Partial Knee
Dr. Bomberg, B.	49	26	0	18	1	1	3	0	0
Dr. Verploeg, E.	48	32	12	0	2	1	1	0	0
Dr. Sisk, M.	34	24	8	0	1	1	0	0	0
Dr. Sauerbrey, A.	17	11	4	0	0	0	2	0	0
Dr. Sarin, G.	15	9	2	0	4	0	0	0	0
Dr. Meininger, A.	12	6	5	1	0	0	0	0	0
<b>Total</b>	<b>175</b>	<b>108</b>	<b>31</b>	<b>19</b>	<b>8</b>	<b>3</b>	<b>6</b>	<b>0</b>	<b>0</b>

### Comorbidity by Surgeon



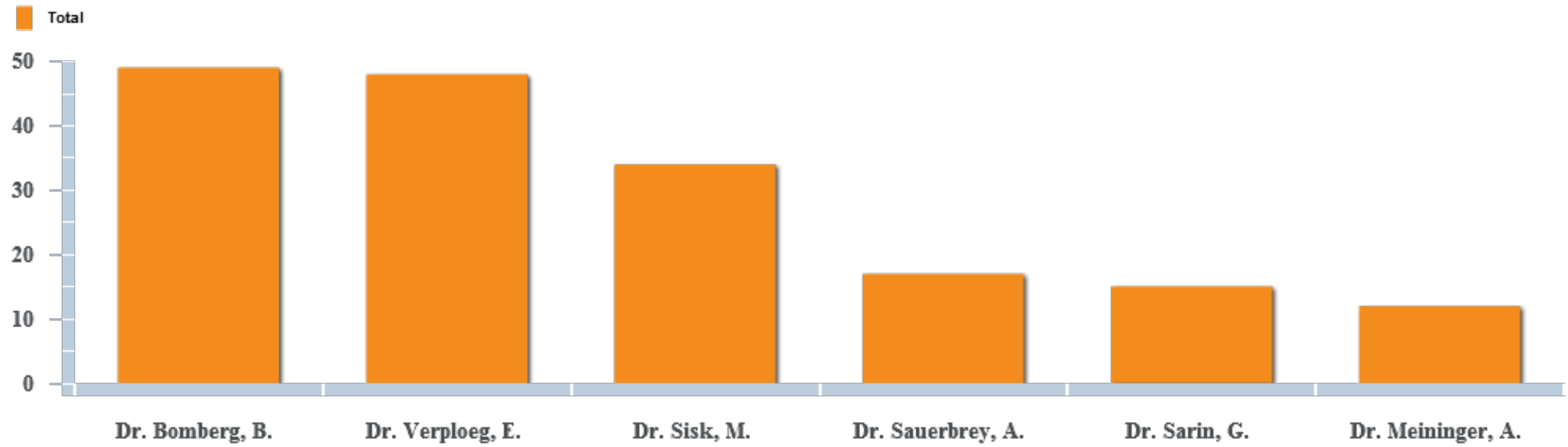
Surgeon	Case Volume	Primary	Primary w/MCC	Revision	Revision w/CC	Revision w/MCC	Bilateral	Bilateral w/MCC	Unknown
Dr. Bomberg, B.	49	43	-	2	-	-	3	-	1
Dr. Verploeg, E.	48	42	1	3	-	-	1	-	1
Dr. Sisk, M.	34	32	-	1	1	-	-	-	-
Dr. Sauerbrey, A.	17	15	-	-	-	-	2	-	-
Dr. Sarin, G.	15	11	-	1	2	-	-	-	1
Dr. Meininger, A.	12	12	-	-	-	-	-	-	-
<b>Total</b>	<b>175</b>	<b>155</b>	<b>1</b>	<b>7</b>	<b>3</b>	<b>-</b>	<b>6</b>	<b>-</b>	<b>3</b>

### Case Volume by Procedure



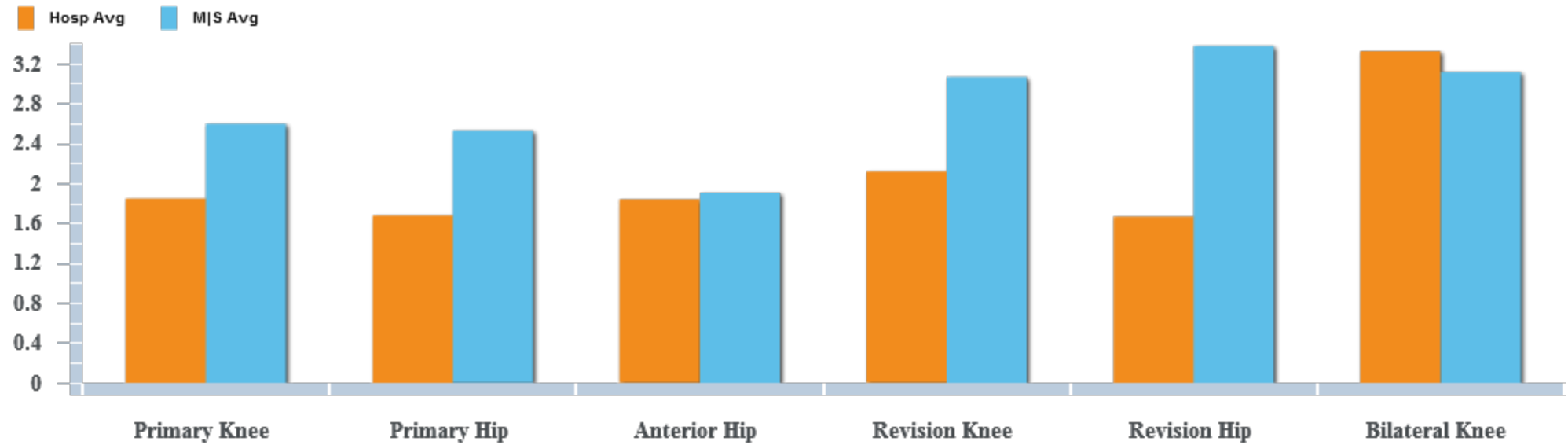
Procedure	Q3-14	Q4-14	Q1-15	Q2-15	Total
Primary Knee	22	36	24	26	108
Primary Hip	3	9	12	7	31
Anterior Hip	4	2	8	5	19
Revision Knee	3	3	1	1	8
Revision Hip	-	1	2	-	3
Bilateral Knee	-	3	2	1	6
<b>Total</b>	<b>32</b>	<b>54</b>	<b>49</b>	<b>40</b>	<b>175</b>

### Case Volume by Surgeon



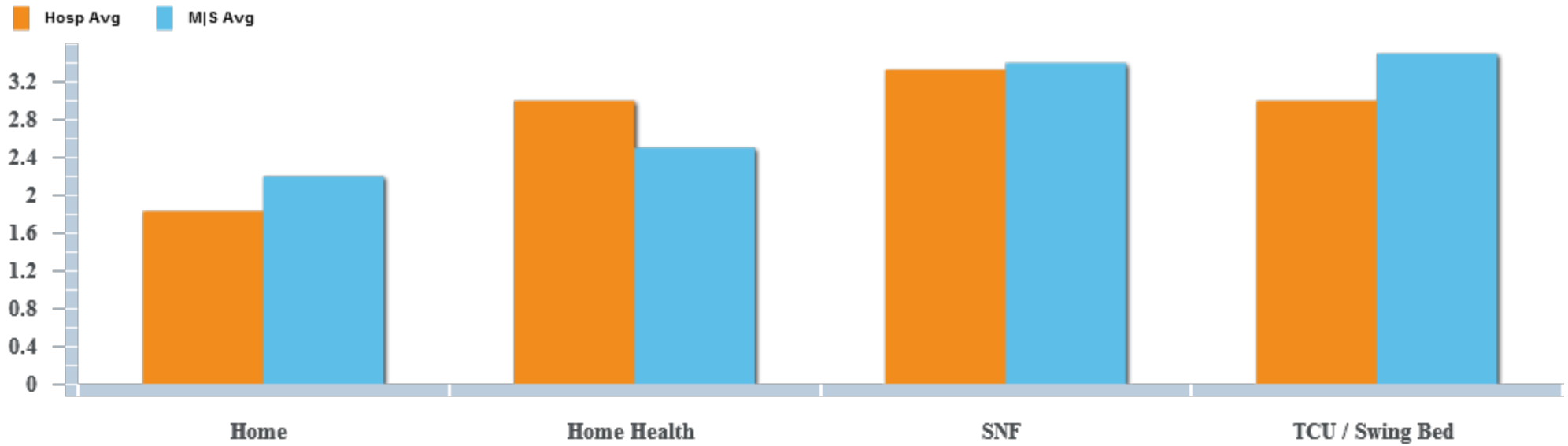
Surgeon	Q3-14	Q4-14	Q1-15	Q2-15	Total
Dr. Bomberg, B.	10	14	17	8	49
Dr. Verploeg, E.	7	11	13	17	48
Dr. Sisk, M.	6	16	9	3	34
Dr. Sauerbrey, A.	2	7	3	5	17
Dr. Sarin, G.	3	5	3	4	15
Dr. Meininger, A.	4	1	4	3	12
Total	32	54	49	40	175

### LOS by Procedure



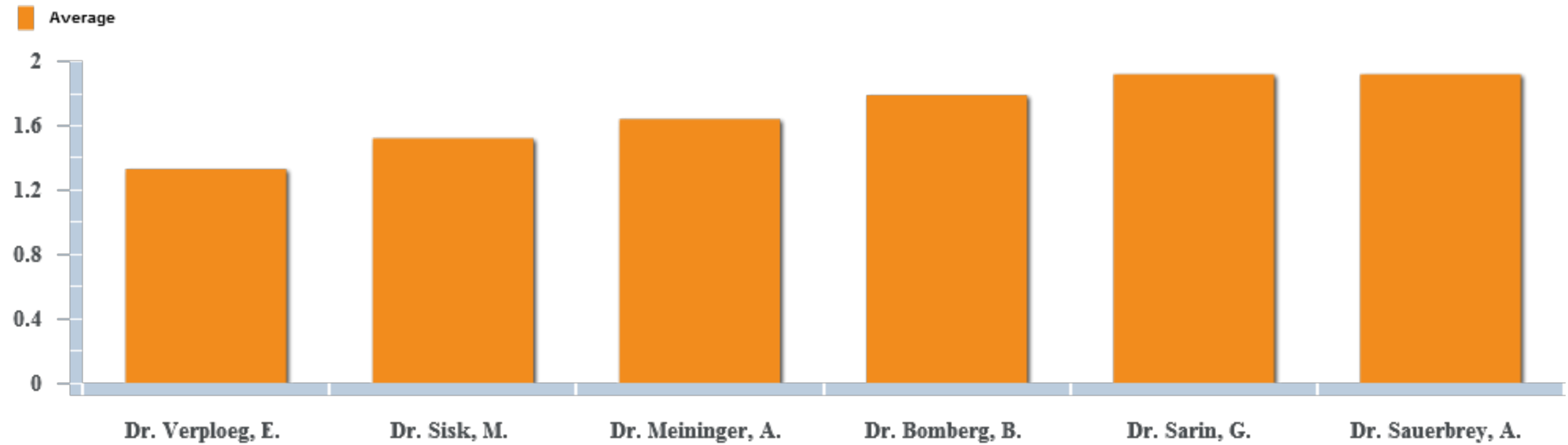
Procedure	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M/S Avg
Primary Knee	108	2.05	1.83	1.83	1.73	1.85	2.6
Primary Hip	31	2.67	1.67	1.58	1.43	1.68	2.53
Anterior Hip	19	1.75	1.50	2.00	1.80	1.84	1.91
Revision Knee	8	2.00	1.67	3.00	3.00	2.12	3.07
Revision Hip	3	-	1.00	2.00	-	1.67	3.38
Bilateral Knee	6	-	3.00	3.50	4.00	3.33	3.12
Average	175	2.06	1.83	1.90	1.78	1.88	2.59

### LOS by Discharge Disposition



Discharge Disposition	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M S Avg
Home	169	2.03	1.81	1.83	1.72	1.83	2.2
Home Health	1	3.00	-	-	-	3.00	2.5
SNF	3	-	3.00	3.00	4.00	3.33	3.4
TCU / Swing Bed	2	-	-	3.00	-	3.00	3.5
Average	175	2.06	1.83	1.90	1.78	1.88	2.6

## LOS by Surgeon



\* Outlier cases >= 3 days removed

Surgeon	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Average
Dr. Verploeg, E.	39	1.60	1.30	1.44	1.20	1.33
Dr. Sisk, M.	33	1.83	1.50	1.38	1.33	1.52
Dr. Meininger, A.	11	1.67	2.00	1.25	2.00	1.64
Dr. Bomberg, B.	39	1.86	1.73	1.77	1.88	1.79
Dr. Sarin, G.	12	1.50	2.00	2.00	2.00	1.92
Dr. Sauerbrey, A.	12	2.00	1.80	2.00	2.00	1.92
Average	146	1.76	1.60	1.59	1.57	1.62

LOS – Outliers

\* Outlier Value : 3 days

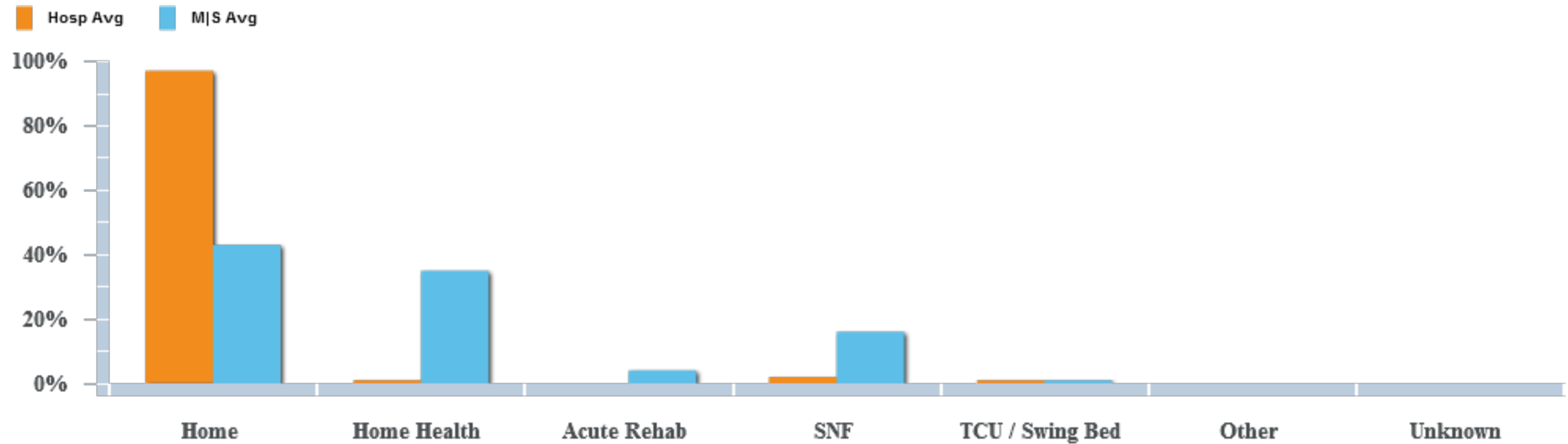
LOS	Comorbidity	Discharge Disposition	Age	Procedure	Surgeon	Complication	Readmission
3	None	Home	58	Primary Knee	Dr. Verploeg, E.	-	No
3	w/CC	Home	63	Revision Knee	Dr. Sarin, G.	-	No
3	None	Home	77	Primary Knee	Dr. Verploeg, E.	-	No
4	None	SNF	67	Bilateral Knee	Dr. Sauerbrey, A.	-	No
3	None	Home	74	Primary Knee	Dr. Sauerbrey, A.	-	No
4	None	Home	55	Bilateral Knee	Dr. Bomberg, B.	-	No
3	None	Home	72	Revision Knee	Dr. Verploeg, E.	-	No
3	None	Home	60	Primary Hip	Dr. Verploeg, E.	-	No
3	None	Home	64	Bilateral Knee	Dr. Verploeg, E.	DVT	No
3	None	TCU / Swing Bed	82	Primary Knee	Dr. Sauerbrey, A.	-	No
3	None	Home	71	Primary Hip	Dr. Bomberg, B.	-	No
3	None	Home	82	Primary Knee	Dr. Sisk, M.	-	No
3	None	SNF	85	Primary Hip	Dr. Bomberg, B.	-	No
3	None	TCU / Swing Bed	76	Primary Knee	Dr. Verploeg, E.	-	No
3	None	Home	65	Primary Knee	Dr. Bomberg, B.	-	No
4	None	Home	64	Primary Knee	Dr. Sarin, G.	-	No
3	None	Home	62	Primary Knee	Dr. Sauerbrey, A.	-	No
3	None	Home	67	Bilateral Knee	Dr. Bomberg, B.	-	No
3	None	Home	63	Primary Knee	Dr. Bomberg, B.	-	No
4	None	Home	68	Bilateral Knee	Dr. Sauerbrey, A.	-	No
3	None	SNF	91	Primary Knee	Dr. Verploeg, E.	-	No
4	None	Home	67	Primary Knee	Dr. Bomberg, B.	-	No

LOS – Outliers

\* Outlier Value : 3 days

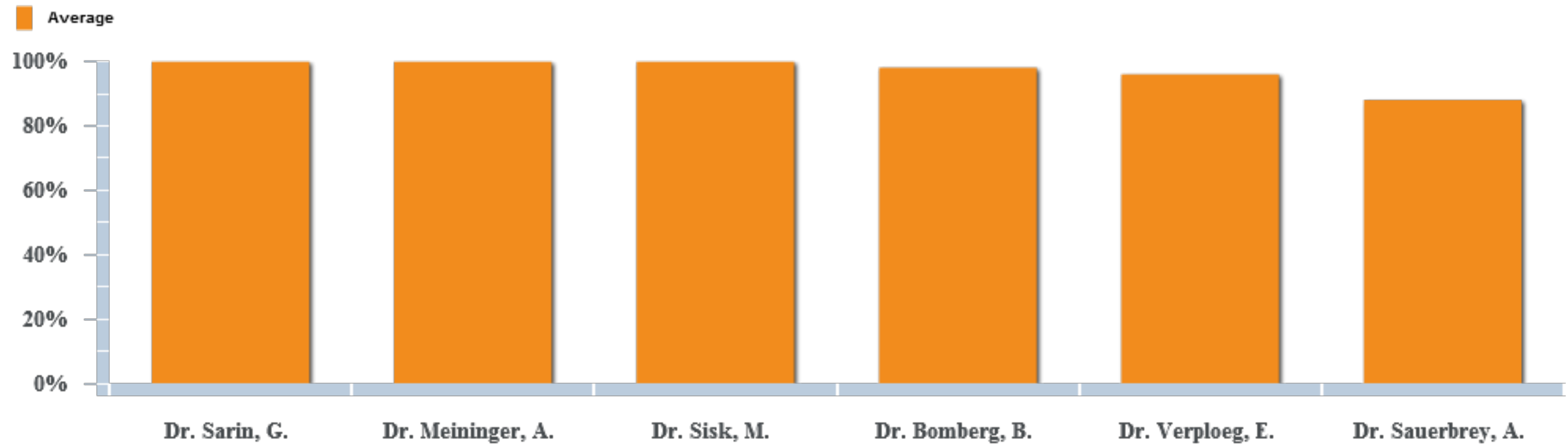
LOS	Comorbidity	Discharge Disposition	Age	Procedure	Surgeon	Complication	Readmission
3	None	Home	83	Primary Hip	Dr. Meininger, A.	-	No
4	None	Home	64	Primary Knee	Dr. Bomberg, B.	-	No
3	None	Home	67	Primary Knee	Dr. Bomberg, B.	-	No
3	None	Home	69	Primary Knee	Dr. Bomberg, B.	-	No
3	None	Home Health	65	Revision Knee	Dr. Sarin, G.	-	No
3	None	Home	66	Primary Knee	Dr. Verploeg, E.	-	No
3	None	Home	63	Primary Hip	Dr. Verploeg, E.	-	No

### Discharge Disposition by Type



Discharge	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M S Avg
Home	97%	98%	94%	98%	97%	43%
Home Health	3%	0%	0%	0%	1%	35%
Acute Rehab	0%	0%	0%	0%	0%	4%
SNF	0%	2%	2%	2%	2%	16%
TCU / Swing Bed	0%	0%	4%	0%	1%	1%
Other	0%	0%	0%	0%	0%	0%
Unknown	0%	0%	0%	0%	0%	0%

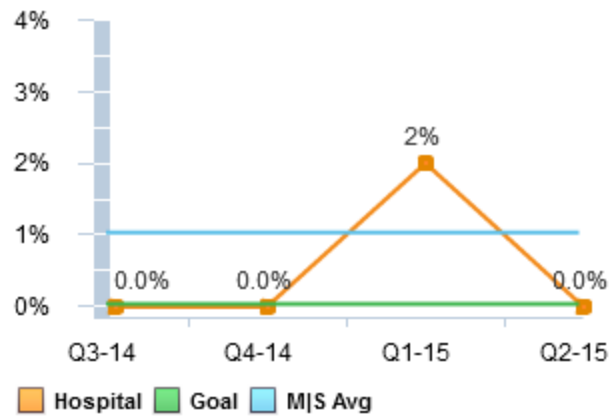
% Home by Surgeon



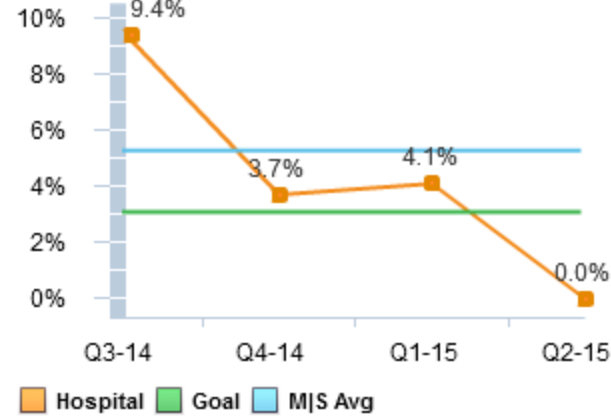
Surgeon	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Average
Dr. Sisk, M.	34	100%	100%	100%	100%	100%
Dr. Sarin, G.	15	100%	100%	100%	100%	100%
Dr. Meininger, A.	12	100%	100%	100%	100%	100%
Dr. Bomberg, B.	49	100%	100%	94%	100%	98%
Dr. Verploeg, E.	48	100%	91%	92%	100%	96%
Dr. Sauerbrey, A.	17	100%	100%	67%	80%	88%
Average	175	100%	98%	94%	98%	97%

Clinical

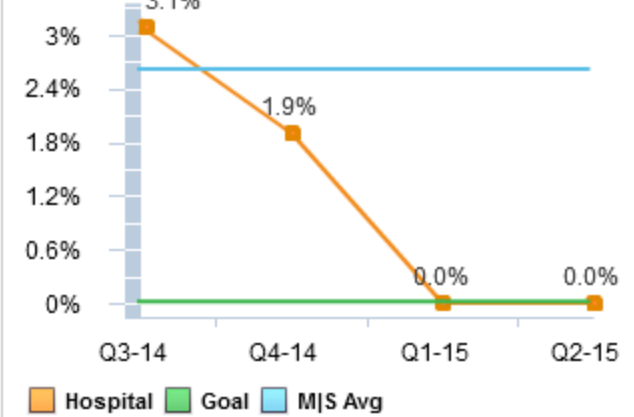
Complication Rate (%)



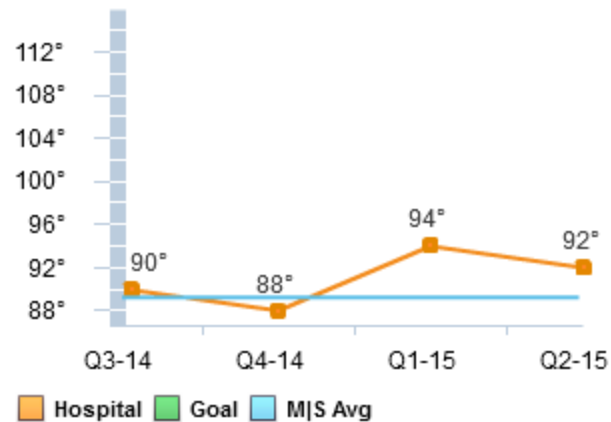
Blood Transfusion (%)



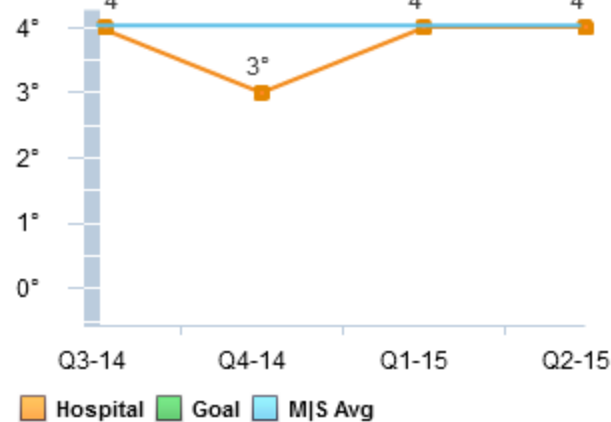
Readmission Rate (%)



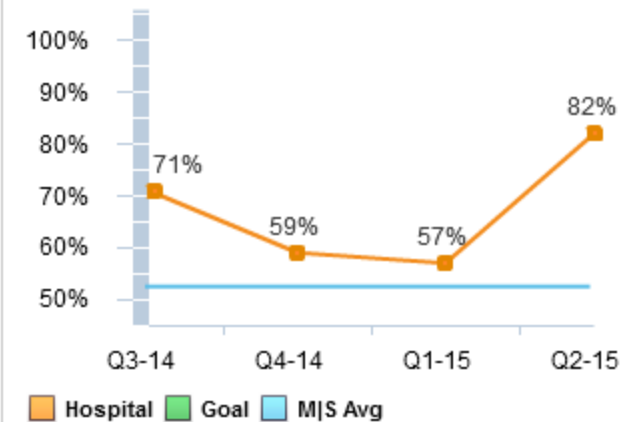
Flexion (deg)



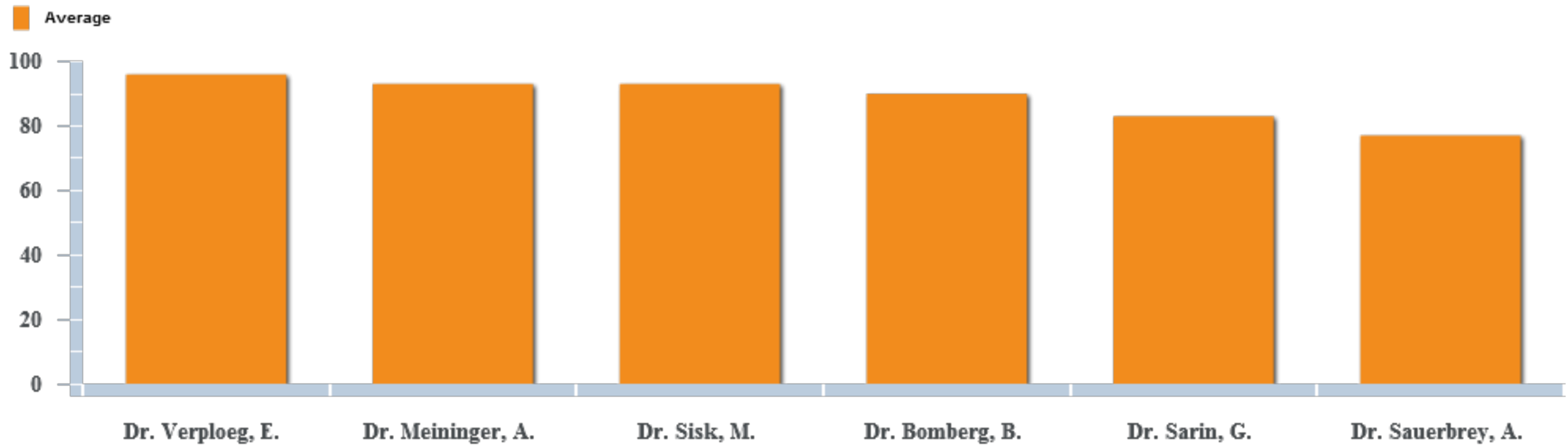
Extension (deg)



Distance Walked >= 300 (%)

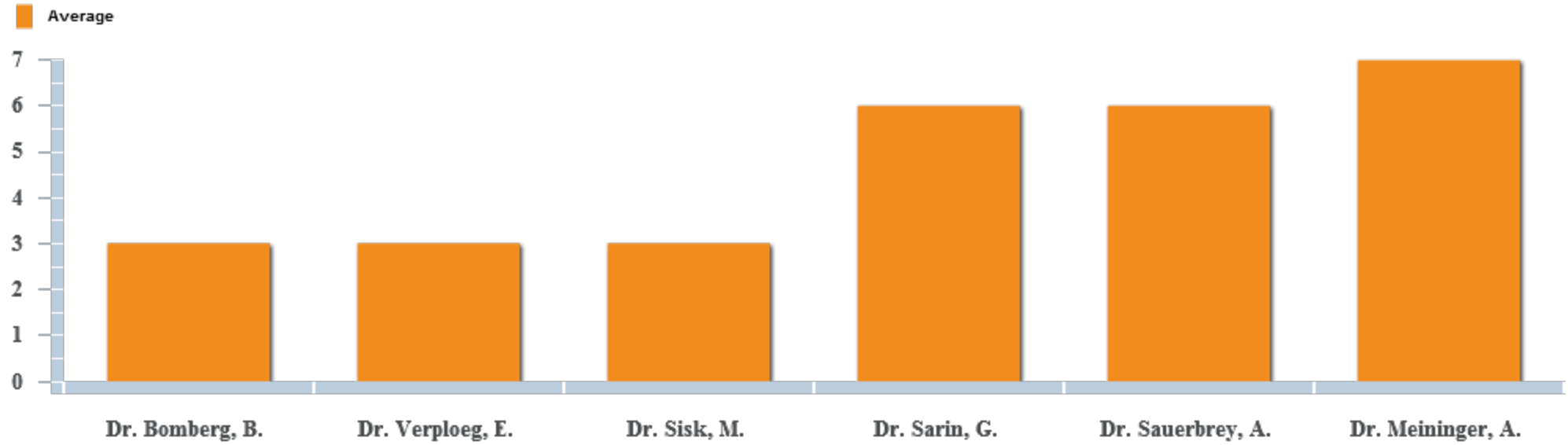


## Flexion by Surgeon



Surgeon	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Average
Dr. Verploeg, E.	48	93	99	100	94	96
Dr. Sisk, M.	34	88	94	99	96	93
Dr. Meininger, A.	12	80	-	95	98	93
Dr. Bomberg, B.	49	91	89	86	93	90
Dr. Sarin, G.	15	90	78	80	89	83
Dr. Sauerbrey, A.	17	-	70	85	82	77
Average	175	90	88	94	92	91

### Extension by Surgeon



Surgeon	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Average
Dr. Meininger, A.	12	5	-	8	7	7
Dr. Sauerbrey, A.	17	-	6	8	6	6
Dr. Sarin, G.	15	6	5	5	7	6
Dr. Verploeg, E.	48	6	1	3	3	3
Dr. Sisk, M.	34	5	2	0	4	3
Dr. Bomberg, B.	49	2	3	6	4	3
Average	175	4	3	4	4	4

## Complications by Category

Category	Q3-14		Q4-14		Q1-15		Q2-15		Total		MJS Avg
	n	%	n	%	n	%	n	%	n	%	
Cardiac	1	3%	0	0%	0	0%	0	0%	1	1%	5%
Delirium	0	0%	0	0%	0	0%	0	0%	0	0%	1%
Fall	2	6%	0	0%	0	0%	0	0%	2	1%	1%
GI	2	6%	1	2%	1	2%	3	8%	7	4%	2%
Infection	0	0%	0	0%	0	0%	0	0%	0	0%	0%
Neuro	0	0%	0	0%	0	0%	0	0%	0	0%	0%
Pulmonary	0	0%	0	0%	0	0%	0	0%	0	0%	1%
Renal	0	0%	0	0%	0	0%	0	0%	0	0%	2%
Surgical	0	0%	4	7%	1	2%	0	0%	5	3%	4%
Trauma	0	0%	0	0%	0	0%	0	0%	0	0%	0%
VTE	0	0%	0	0%	1	2%	0	0%	1	1%	0%
Other	0	0%	1	2%	1	2%	2	5%	4	2%	16%
Events	5	16%	6	11%	4	8%	5	13%	20	11%	33%
Patients	5	16%	5	9%	2	4%	4	10%	16	9%	24%
Case Volume	32		54		49		40		175		

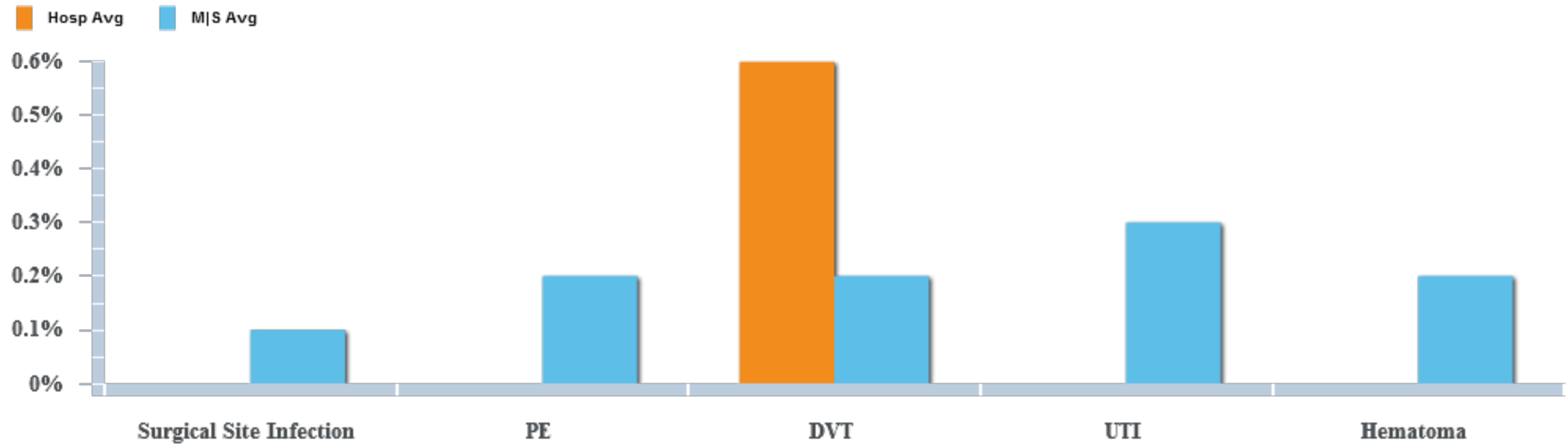
## Complications Case Review - Patient

Age	Gender	Procedure	Count	Category	Surgeon	LOS	Discharge Disposition
60	M	Primary Knee	1	GI	Dr. Meininger, A.	2	Home
69	M	Primary Knee	1	GI	Dr. Sarin, G.	2	Home
67	M	Bilateral Knee	3	GI, Other, Other	Dr. Sauerbrey, A.	4	SNF
74	M	Primary Knee	2	Other, Other	Dr. Sauerbrey, A.	3	Home
64	M	Bilateral Knee	4	Other, Surgical, VTE, Other	Dr. Verploeg, E.	3	Home
76	F	Primary Knee	1	GI	Dr. Verploeg, E.	3	TCU / Swing Bed
76	F	Primary Knee	1	Surgical	Dr. Bomberg, B.	2	Home
58	M	Primary Hip	1	Surgical	Dr. Sauerbrey, A.	2	Home
55	M	Primary Hip	1	Surgical	Dr. Sauerbrey, A.	2	Home
58	F	Primary Knee	1	GI	Dr. Sarin, G.	2	Home
59	F	Primary Hip	3	Other, Surgical, Other	Dr. Sauerbrey, A.	2	Home
83	F	Primary Hip	1	Fall	Dr. Meininger, A.	3	Home
61	F	Primary Knee	1	Fall	Dr. Sisk, M.	2	Home
67	F	Primary Knee	1	GI	Dr. Bomberg, B.	3	Home
68	M	Primary Hip	1	GI	Dr. Bomberg, B.	2	Home

## Readmission by Category

Category	Q3-14		Q4-14		Q1-15		Q2-15		Total		M S Avg
	n	%	n	%	n	%	n	%	n	%	
Cardiac	1	3%	0	0%	0	0%	0	0%	1	1%	5%
Delirium	0	0%	0	0%	0	0%	0	0%	0	0%	1%
Fall	2	6%	0	0%	0	0%	0	0%	2	1%	1%
GI	2	6%	1	2%	1	2%	3	8%	7	4%	2%
Infection	0	0%	0	0%	0	0%	0	0%	0	0%	0%
Neuro	0	0%	0	0%	0	0%	0	0%	0	0%	0%
Pulmonary	0	0%	0	0%	0	0%	0	0%	0	0%	1%
Renal	0	0%	0	0%	0	0%	0	0%	0	0%	2%
Surgical	0	0%	4	7%	1	2%	0	0%	5	3%	4%
Trauma	0	0%	0	0%	0	0%	0	0%	0	0%	0%
VTE	0	0%	0	0%	1	2%	0	0%	1	1%	0%
Other	0	0%	1	2%	1	2%	2	5%	4	2%	16%
Events	5	16%	6	11%	4	8%	5	13%	20	11%	33%
Patients	5	16%	5	9%	2	4%	4	10%	16	9%	24%
Case Volume	32		54		49		40		175		

### Complication by Type



Complication	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M S Avg
Surgical Site Infection	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0.1%
PE	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0.2%
DVT	0 (0.0%)	0 (0.0%)	1 (2.0%)	0 (0.0%)	1 (0.6%)	0.2%
UTI	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0.3%
Hematoma	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0.2%
Average	0 (0.0%)	0 (0.0%)	1 (2.0%)	0 (0.0%)	1 (0.6%)	1.0%

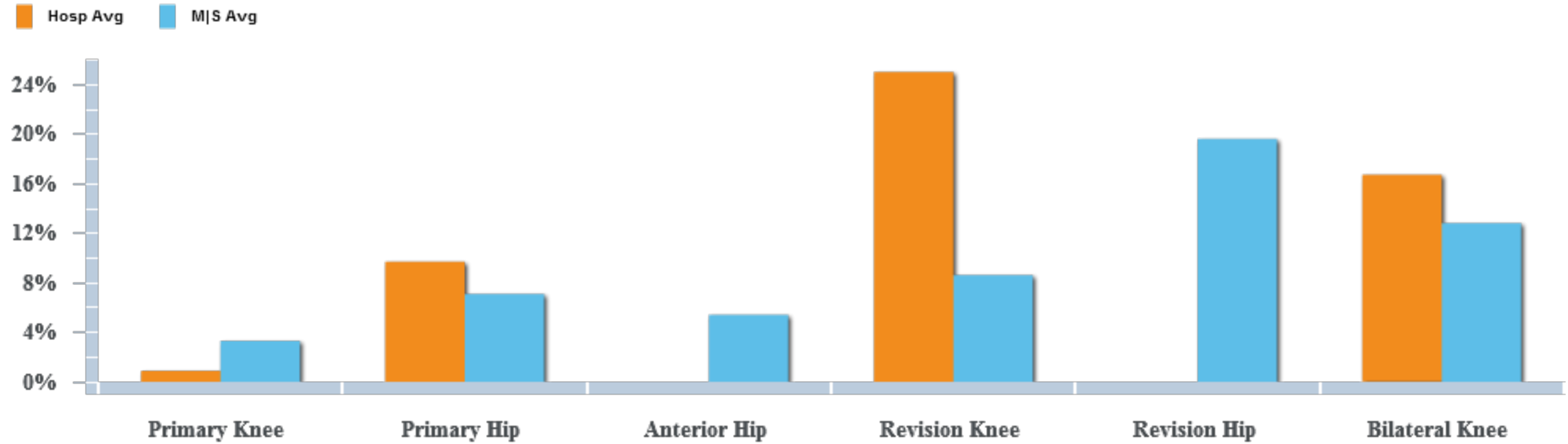
## Complications – Case Review

Complication	Age	Procedure	Surgeon	LOS	Comorbidity	Discharge Disposition	Readmitted
DVT	64	Bilateral Knee	Dr. Verploeg, E.	3	None	Home	No

## Readmission - Case Review

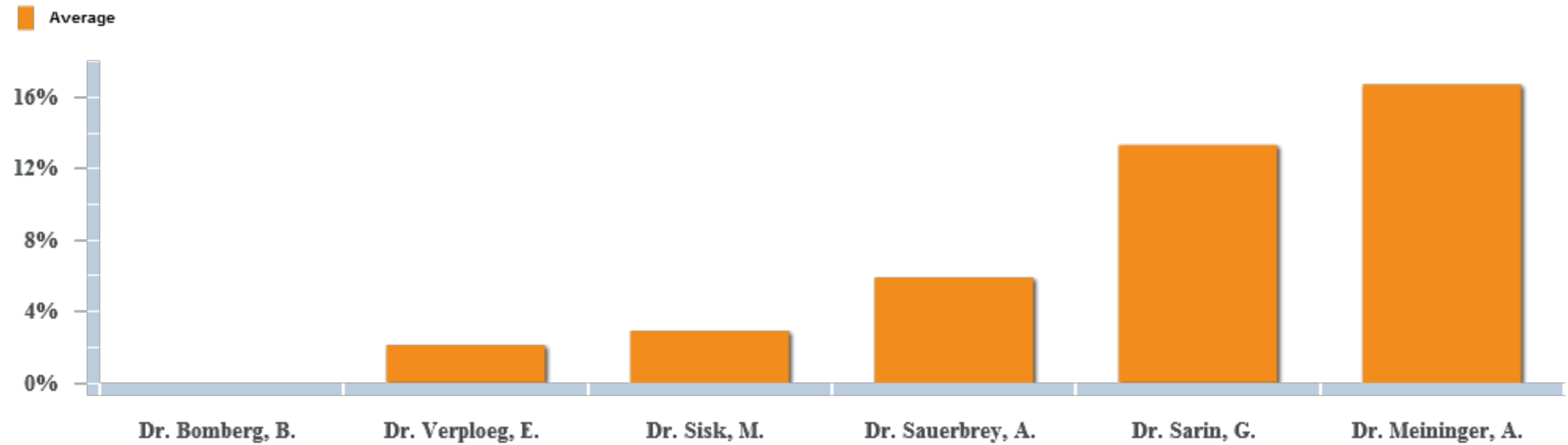
Age	Procedure	Surgeon	Reason	LOS	Comorbidity	Discharge Disp
73	Revision Knee	Dr. Sarin, G.	INTRACTABLE PAIN	2	w/CC	Home
73	Revision Knee	Dr. Sarin, G.	PYOGEN ARTHRITIS-L/LEG	2	w/CC	Home
73	Revision Knee	Dr. Sarin, G.	ACUTE VENOUS EMBOLISM & THROMBOSIS OF UPPER EXTREMITY U	2	w/CC	Home
63	Primary Hip	Dr. Verploeg, E.	L FEMUR FX, STATUS POST L TOTAL HIP REPLACEMENT	3	None	Home

### Blood Transfusion by Procedure



Procedure	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M S Avg
Primary Knee	108	0.0%	0.0%	4.2%	0.0%	0.9%	3.3%
Primary Hip	31	66.7%	0.0%	8.3%	0.0%	9.7%	7.1%
Anterior Hip	19	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%
Revision Knee	8	33.3%	33.3%	0.0%	0.0%	25.0%	8.6%
Revision Hip	3	-	0.0%	0.0%	-	0.0%	19.6%
Bilateral Knee	6	-	33.3%	0.0%	0.0%	16.7%	12.8%
Average	175	9.4%	3.7%	4.1%	0.0%	4.0%	5.2%

## Blood Transfusion by Surgeon

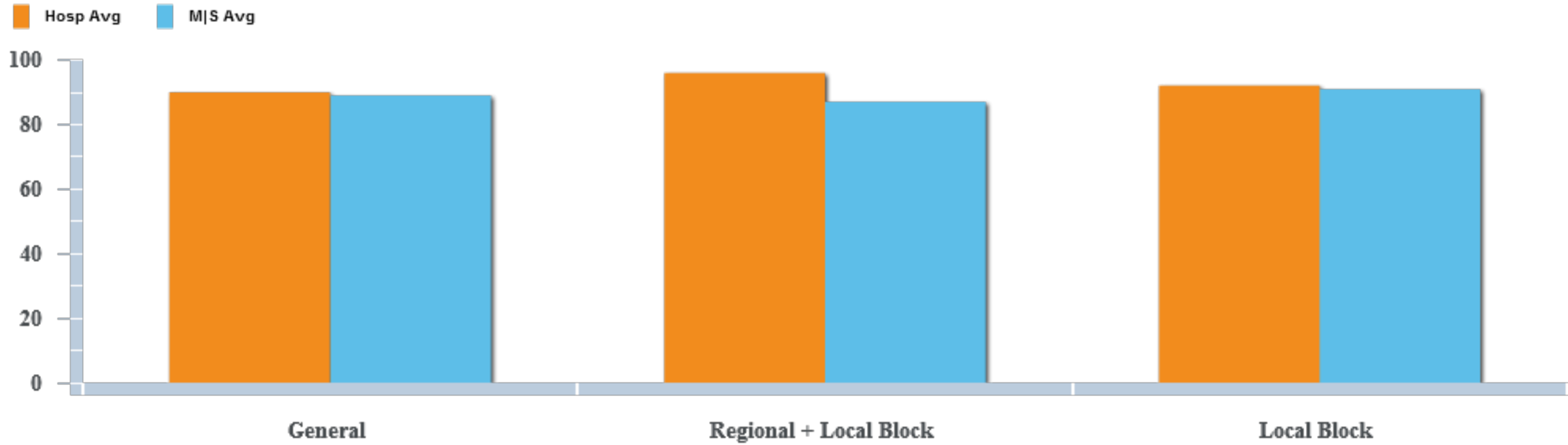


Surgeon	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Average
Dr. Bomberg, B.	49	0.0%	0.0%	0.0%	0.0%	0.0%
Dr. Verploeg, E.	48	14.3%	0.0%	0.0%	0.0%	2.1%
Dr. Sisk, M.	34	0.0%	0.0%	11.1%	0.0%	2.9%
Dr. Sauerbrey, A.	17	0.0%	14.3%	0.0%	0.0%	5.9%
Dr. Sarin, G.	15	33.3%	20.0%	0.0%	0.0%	13.3%
Dr. Meininger, A.	12	25.0%	0.0%	25.0%	0.0%	16.7%
Average	175	9.4%	3.7%	4.1%	0.0%	4.0%

## Blood Transfusion – Case Review

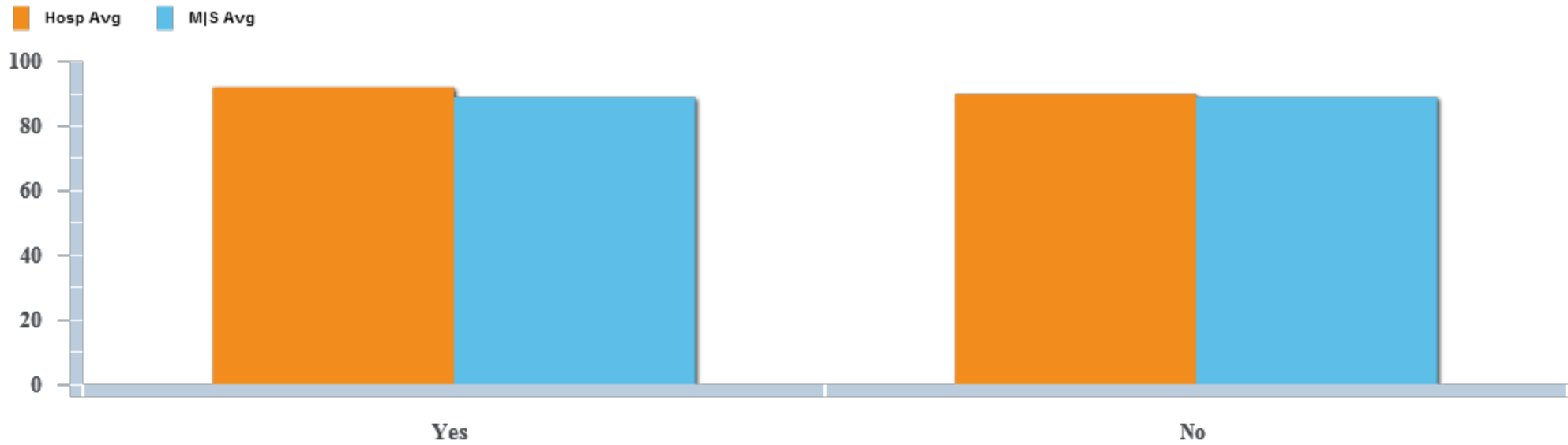
Age	Procedures	Surgeon	LOS	Comorbidity	Type	DischargeDisposition
66	Primary Hip	Dr. Meininger, A.	2	None	Allogeneic	Home
82	Primary Knee	Dr. Sisk, M.	3	None	Allogeneic	Home
68	Bilateral Knee	Dr. Sauerbrey, A.	4	None	Allogeneic	Home
73	Revision Knee	Dr. Sarin, G.	2	w/CC	Allogeneic	Home
83	Primary Hip	Dr. Meininger, A.	3	None	Allogeneic	Home
65	Revision Knee	Dr. Sarin, G.	3	None	Allogeneic	Home Health
63	Primary Hip	Dr. Verploeg, E.	3	None	Allogeneic	Home

### Average Flexion by Anesthesia



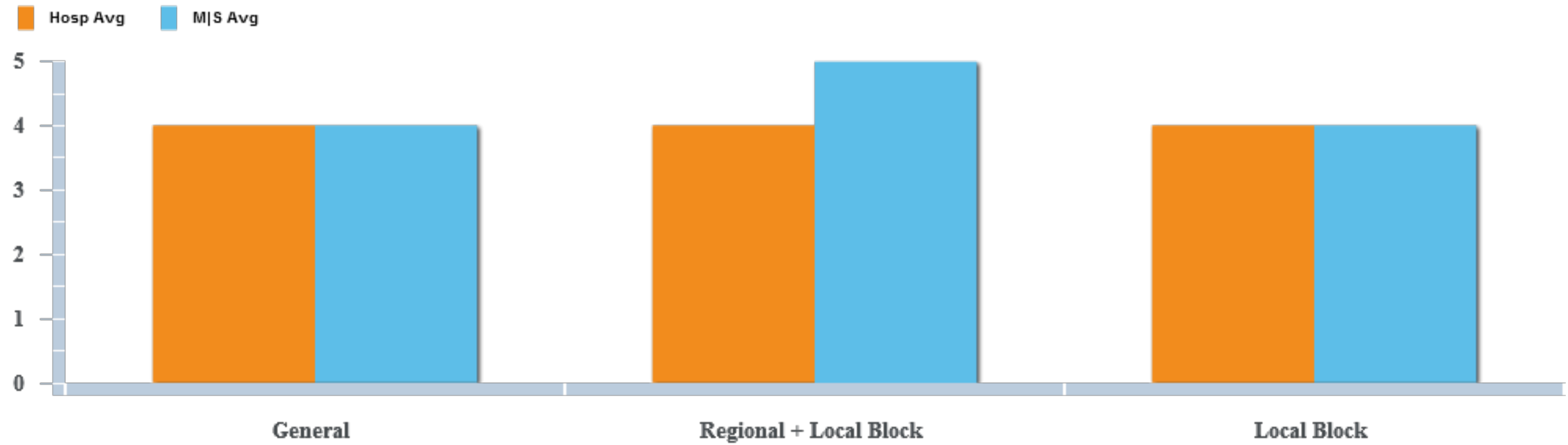
Anesthesia	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	MJS Avg
General	75	90	87	94	92	90	89
Regional + Local Block	4	-	-	-	96	96	87
Local Block	17	89	91	94	-	92	91
Average	96	90	88	94	92	91	89

### Flexion by Block Status



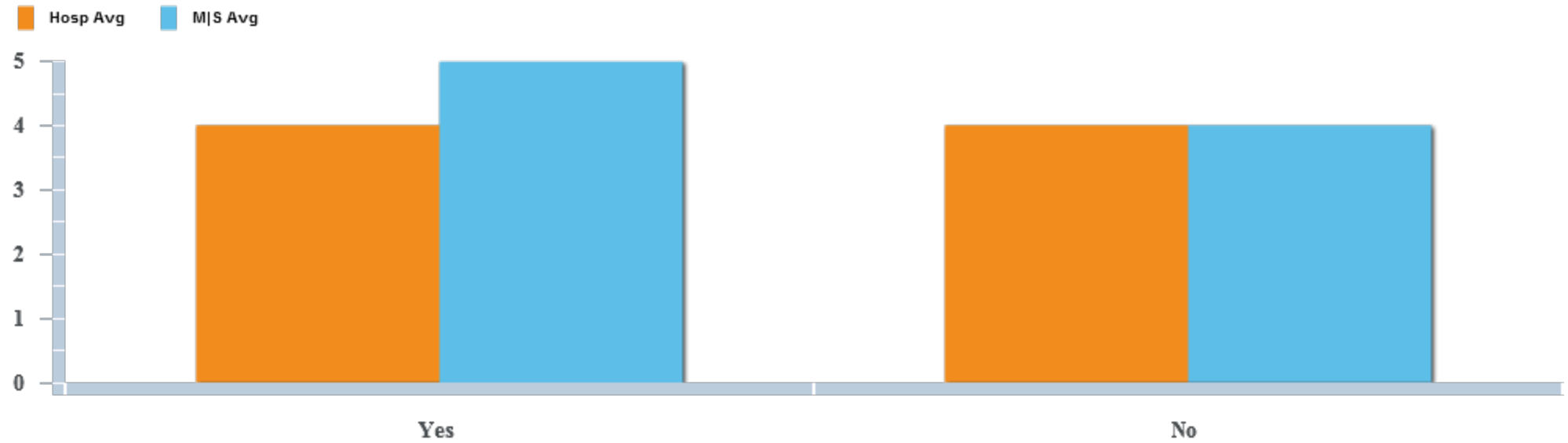
Block Status	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M S Avg
Yes	21	89	91	94	96	92	89
No	75	90	87	94	92	90	89
Average	96	90	88	94	92	91	89

### Average Extension by Anesthesia



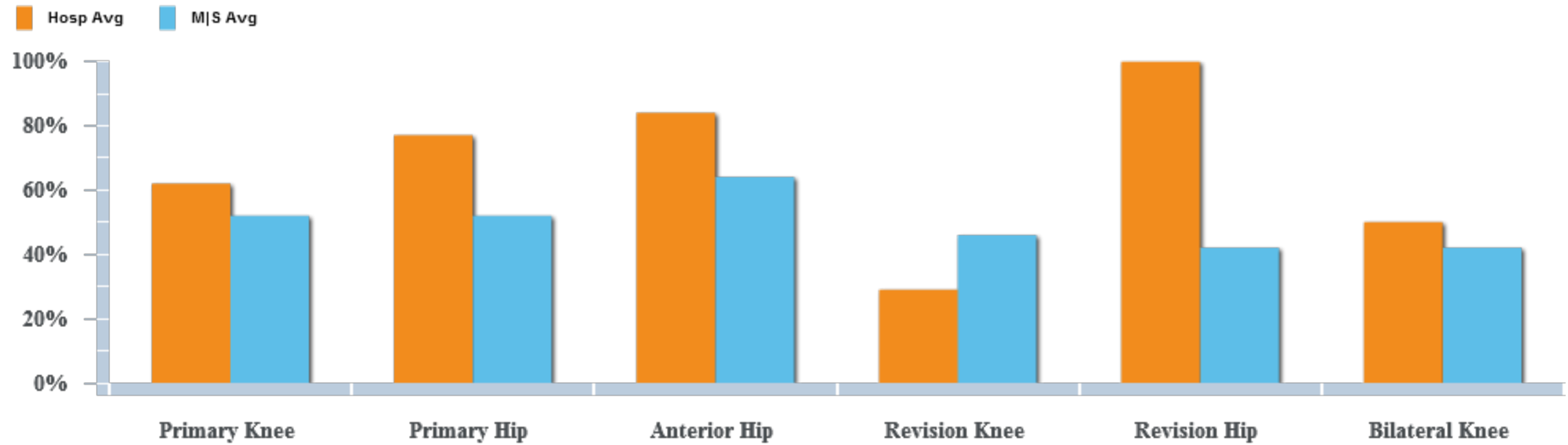
Anesthesia	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	MJS Avg
General	73	4	3	4	5	4	4
Regional + Local Block	4	-	-	-	4	4	5
Local Block	17	5	4	4	-	4	4
Average	94	4	3	4	4	4	4

### Extension by Block Status



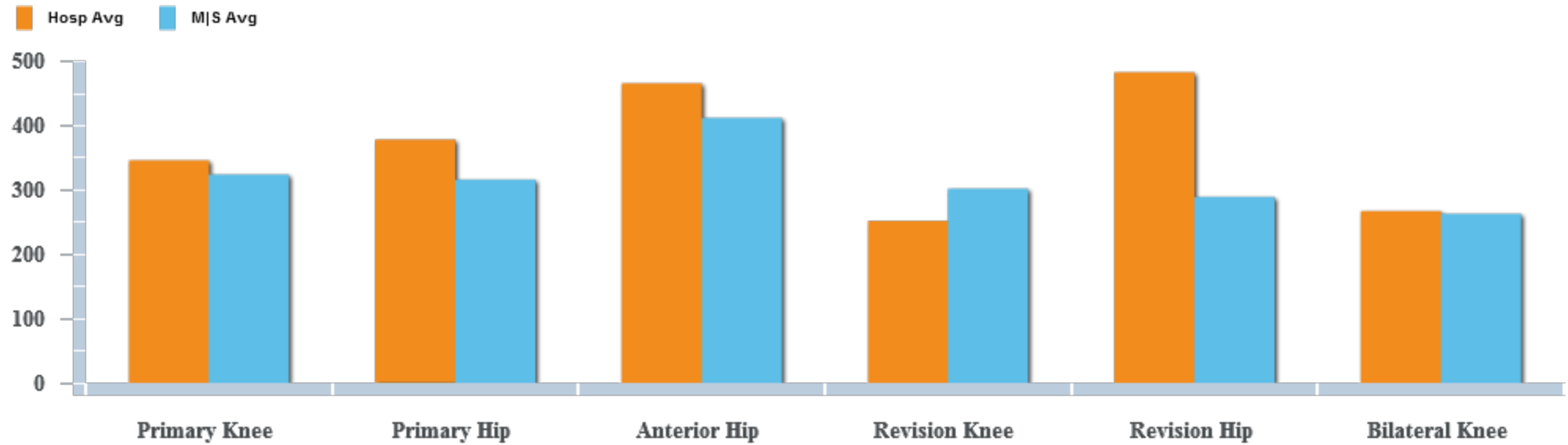
Block Status	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M S Avg
Yes	21	5	4	4	4	4	5
No	73	4	3	4	5	4	4
Average	94	4	3	4	4	4	4

% Average Distance Walked by Procedure >= 300



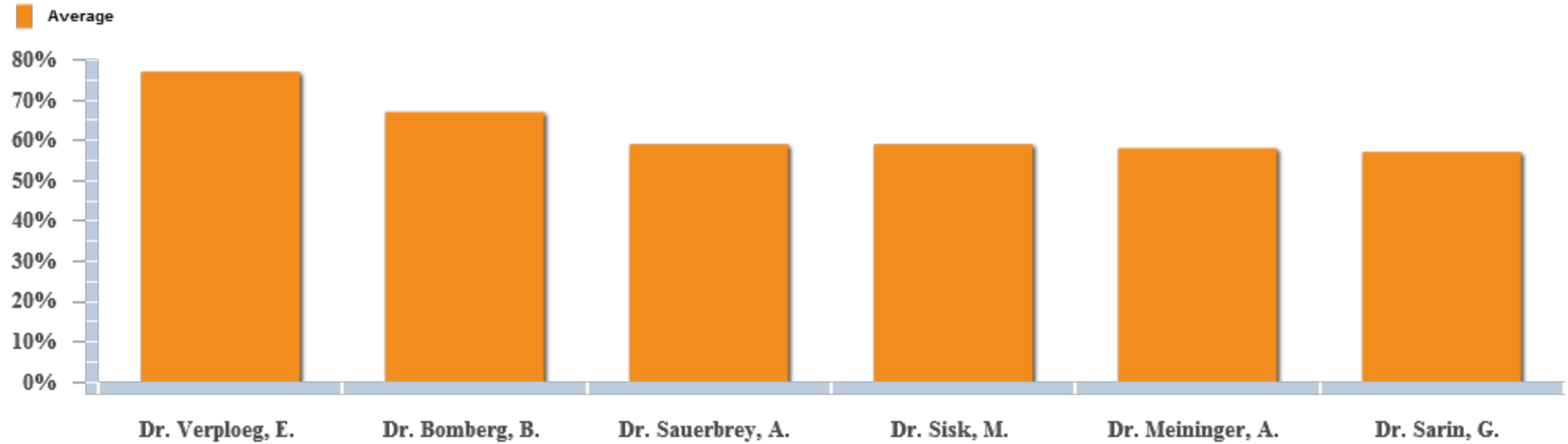
Procedure	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M S Avg
Primary Knee	108	68%	56%	50%	77%	62%	52%
Primary Hip	31	100%	78%	58%	100%	77%	52%
Anterior Hip	19	100%	100%	62%	100%	84%	64%
Revision Knee	7	0%	33%	0%	100%	29%	46%
Revision Hip	3	-	100%	100%	-	100%	42%
Bilateral Knee	6	-	33%	100%	0%	50%	42%
Average	174	71%	59%	57%	82%	66%	52%

### Distance Walked by Procedure



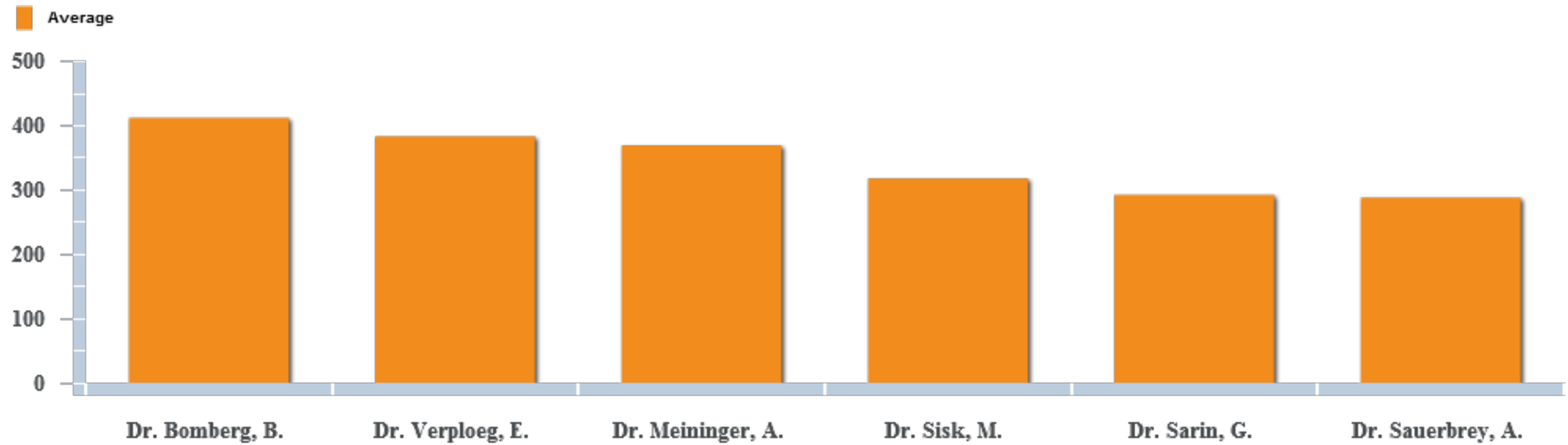
Procedure	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M/S Avg
Primary Knee	108	323	338	356	367	346	324
Primary Hip	31	433	356	349	432	378	316
Anterior Hip	19	425	475	426	560	466	412
Revision Knee	7	188	263	200	400	252	302
Revision Hip	3	-	300	575	-	483	289
Bilateral Knee	6	-	300	325	50	267	263
Average	174	338	339	370	396	361	324

% Average Distance Walked by Surgeon >= 300



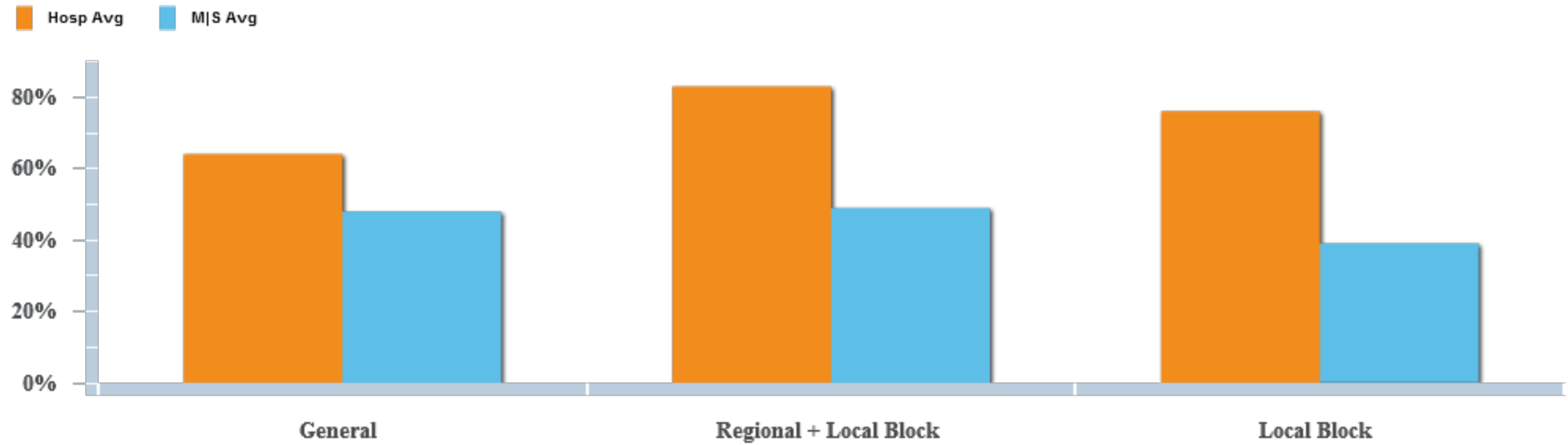
Surgeon	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Average
Dr. Verploeg, E.	48	86%	100%	69%	65%	77%
Dr. Bomberg, B.	49	70%	50%	65%	100%	67%
Dr. Sisk, M.	34	67%	62%	33%	100%	59%
Dr. Sauerbrey, A.	17	100%	43%	33%	80%	59%
Dr. Meininger, A.	12	50%	-	50%	100%	58%
Dr. Sarin, G.	15	50%	20%	67%	100%	57%
Average	175	71%	60%	57%	82%	66%

## Distance Walked by Surgeon



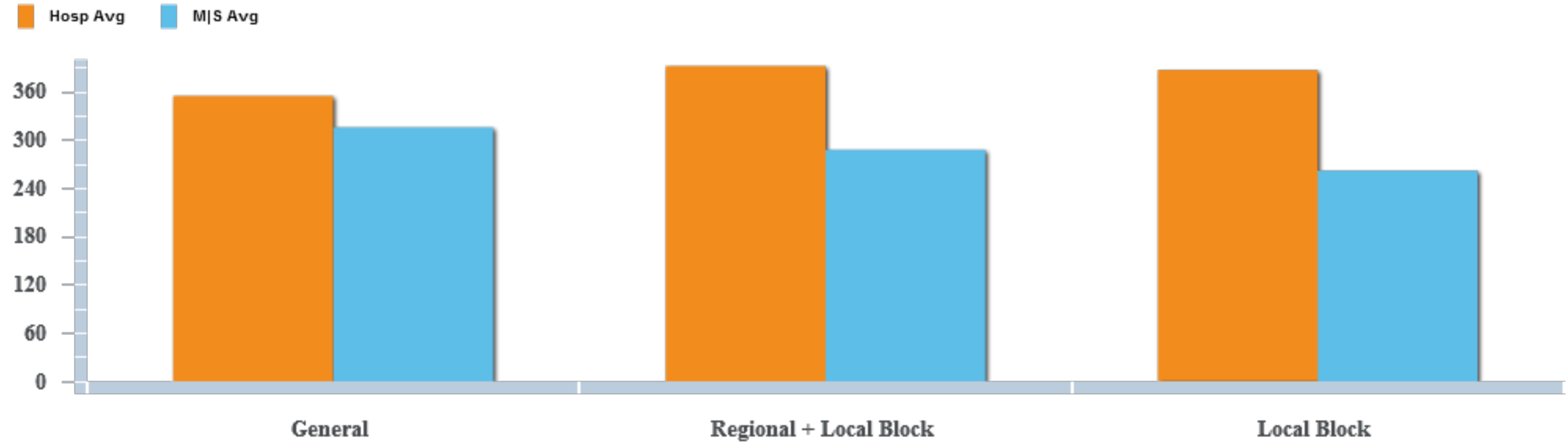
Surgeon	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Average
Dr. Bomberg, B.	49	342	317	471	538	412
Dr. Verploeg, E.	48	361	500	348	344	383
Dr. Meininger, A.	12	288	250	456	400	369
Dr. Sisk, M.	34	329	328	230	500	318
Dr. Sarin, G.	15	300	197	275	419	292
Dr. Sauerbrey, A.	17	400	271	300	260	288
Average	175	338	339	370	396	361

% Average Distance Walked by Anesthesia >= 300



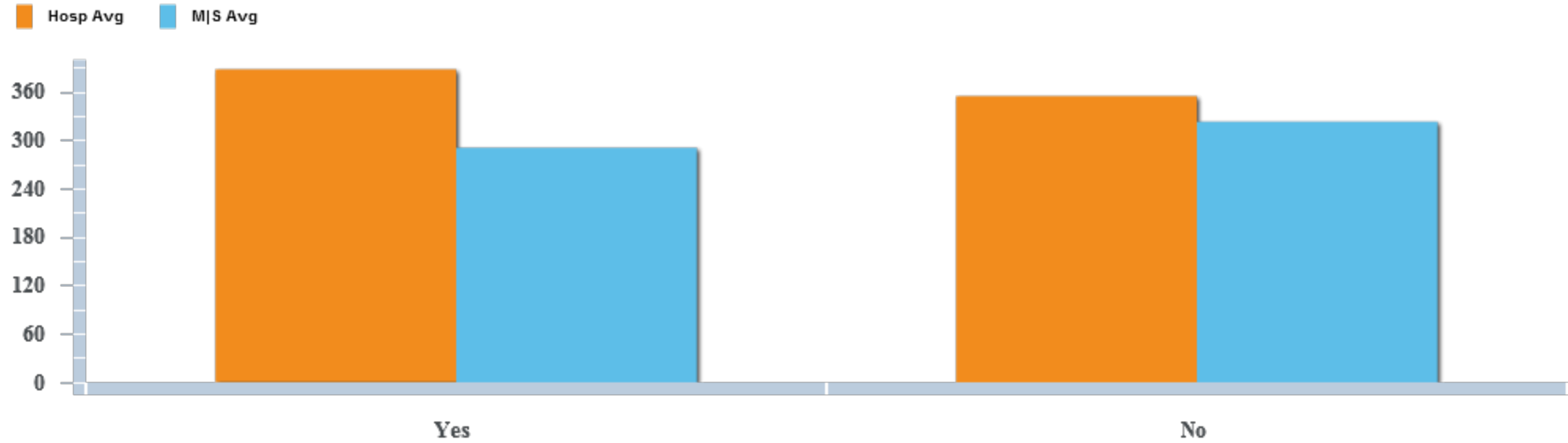
Procedure	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	MJS Avg
General	143	73%	52%	54%	82%	64%	48%
Regional + Local Block	6	-	-	-	83%	83%	49%
Local Block	25	60%	83%	75%	-	76%	39%
Average	174	71%	59%	57%	82%	66%	50%

### Average Distance Walked by Anesthesia



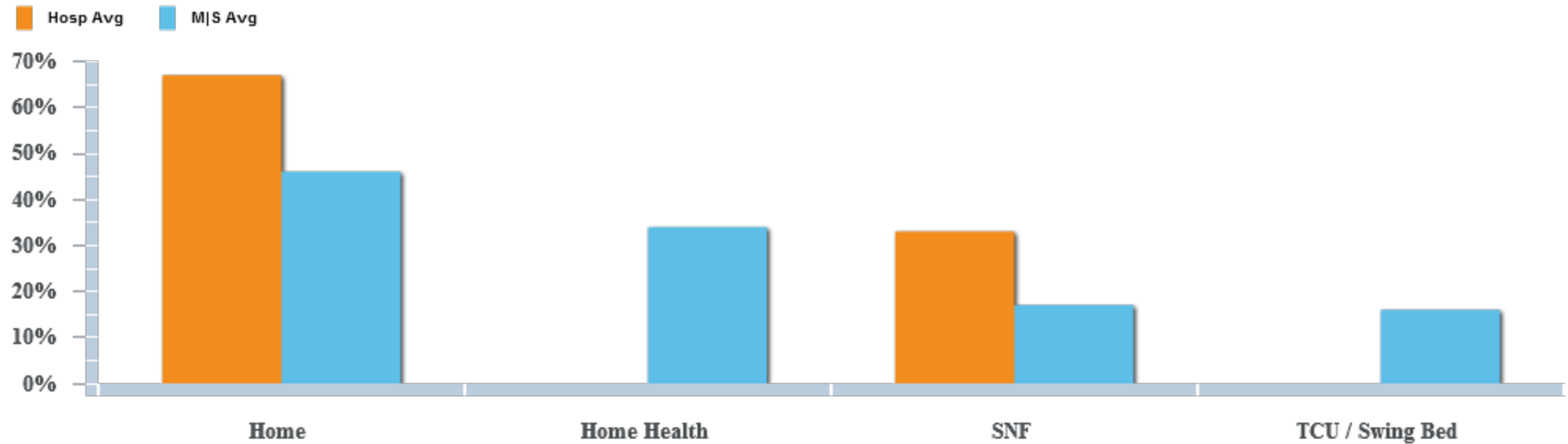
Anesthesia	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	MJS Avg
General	143	348	319	361	396	355	316
Regional + Local Block	6	-	-	-	392	392	288
Local Block	25	285	408	419	-	387	262
Average	174	338	339	370	396	361	327

### Distance Walked by Block Status



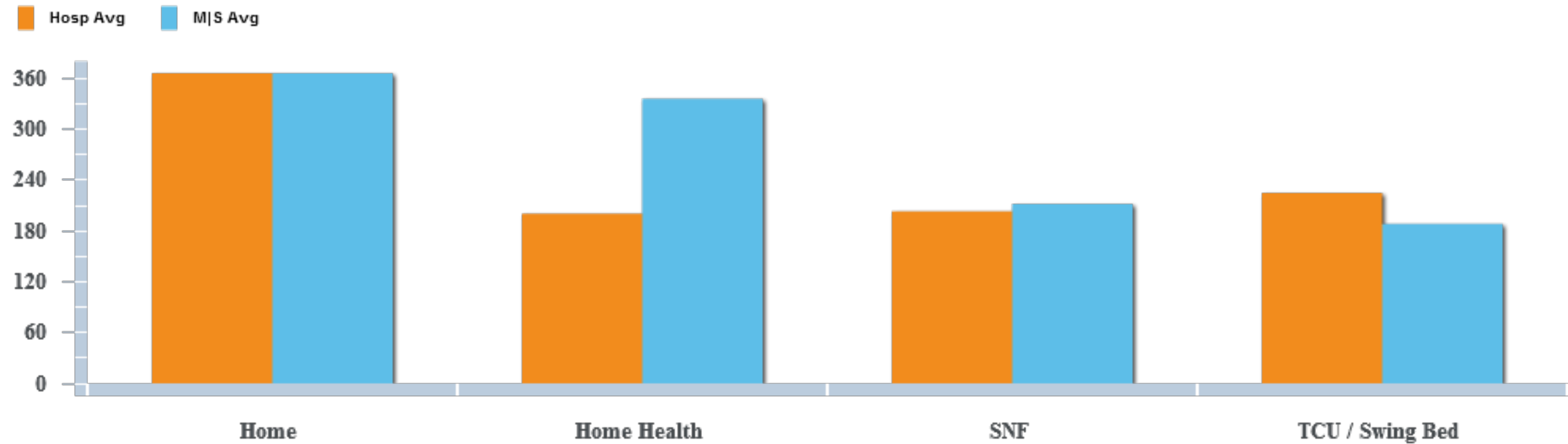
Block Status	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	MJS Avg
Yes	31	285	408	419	392	388	291
No	143	348	319	361	396	355	323
Average	174	338	339	370	396	361	320

% Average Distance Walked by Discharge Disposition >= 300



Procedure	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	MJS Avg
Home	169	71%	58%	61%	85%	67%	46%
Home Health	1	0%	-	-	-	0%	34%
SNF	3	-	100%	0%	0%	33%	17%
TCU / Swing Bed	2	-	-	0%	-	0%	16%
Average	175	69%	59%	57%	82%	66%	35%

Average Distance Walked by Discharge Disp.



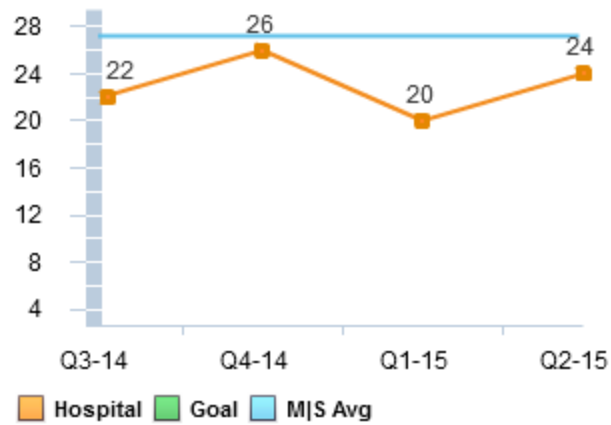
Discharge Disposition	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M/S Avg
Home	168	342	336	384	404	366	366
Home Health	1	200	-	-	-	200	336
SNF	3	-	500	60	50	203	212
TCU / Swing Bed	2	-	-	225	-	225	188
Average	174	338	339	370	396	361	324

## Distance Walked – Case Review

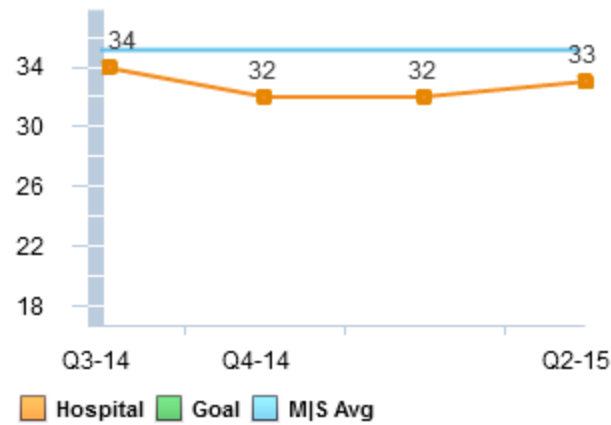
							* Outlier Value : 728 ft
Distance Walked	Comorbidity	Flexion	Extension	Age	Procedure	Surgeon	Discharge Disposition
1000	None	-	-	53	Primary Hip	Dr. Bomberg, B.	Home
1000	None	-	-	66	Primary Hip	Dr. Meininger, A.	Home
800	None	-	-	55	Primary Hip	Dr. Bomberg, B.	Home
750	None	-	-	59	Primary Knee	Dr. Bomberg, B.	Home
1000	Unknown	-	-	59	Primary Hip	Dr. Bomberg, B.	Home
750	None	-	-	69	Primary Knee	Dr. Bomberg, B.	Home
1000	None	95	2	57	Primary Knee	Dr. Bomberg, B.	Home
750	None	-	-	64	Revision Hip	Dr. Bomberg, B.	Home
800	None	110	3	60	Primary Knee	Dr. Bomberg, B.	Home
900	None	-	-	68	Primary Knee	Dr. Verploeg, E.	Home

OR

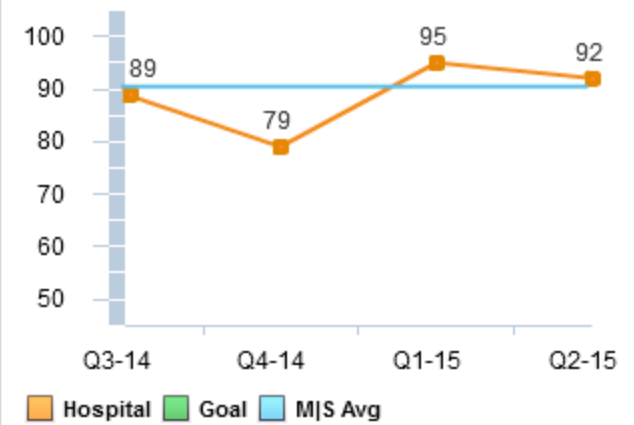
Duration Accuracy (minutes)



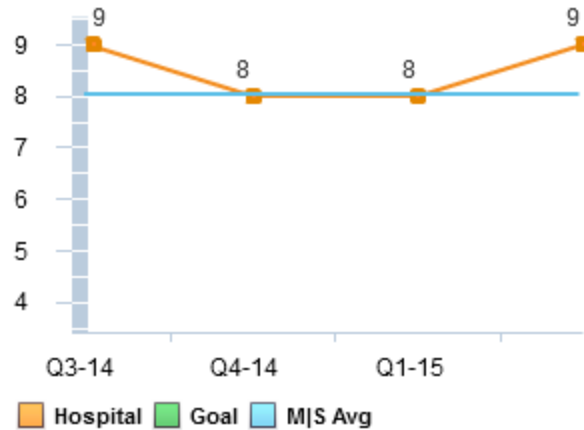
Prep Time (minutes)



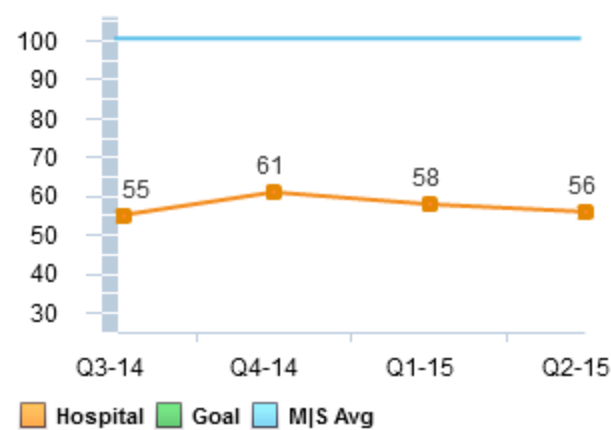
Surgery Time (minutes)



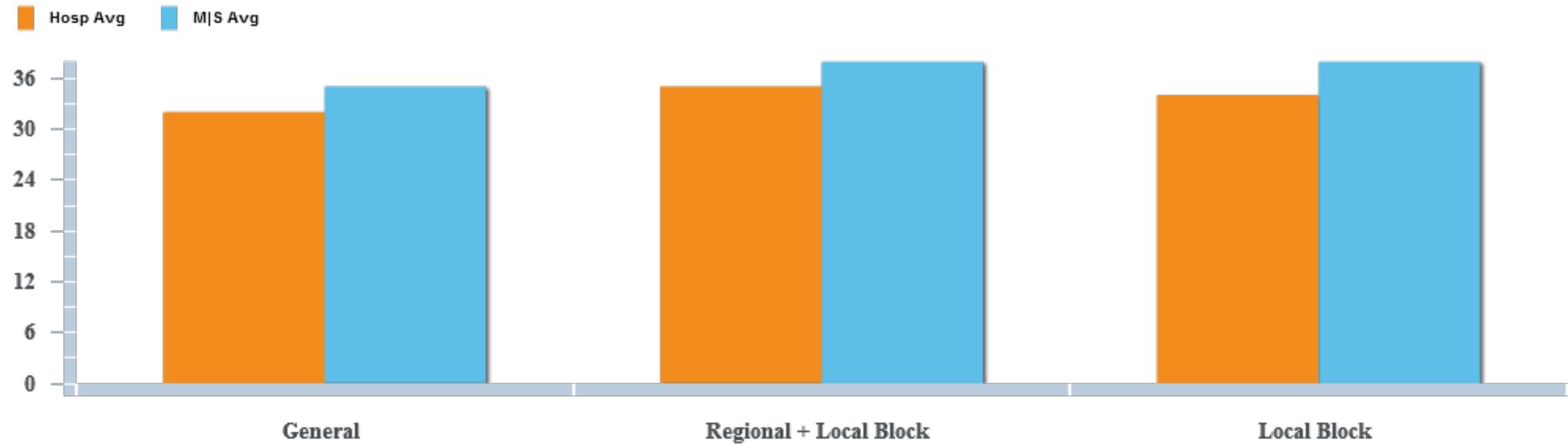
Exit Time (minutes)



PACU Time (minutes)

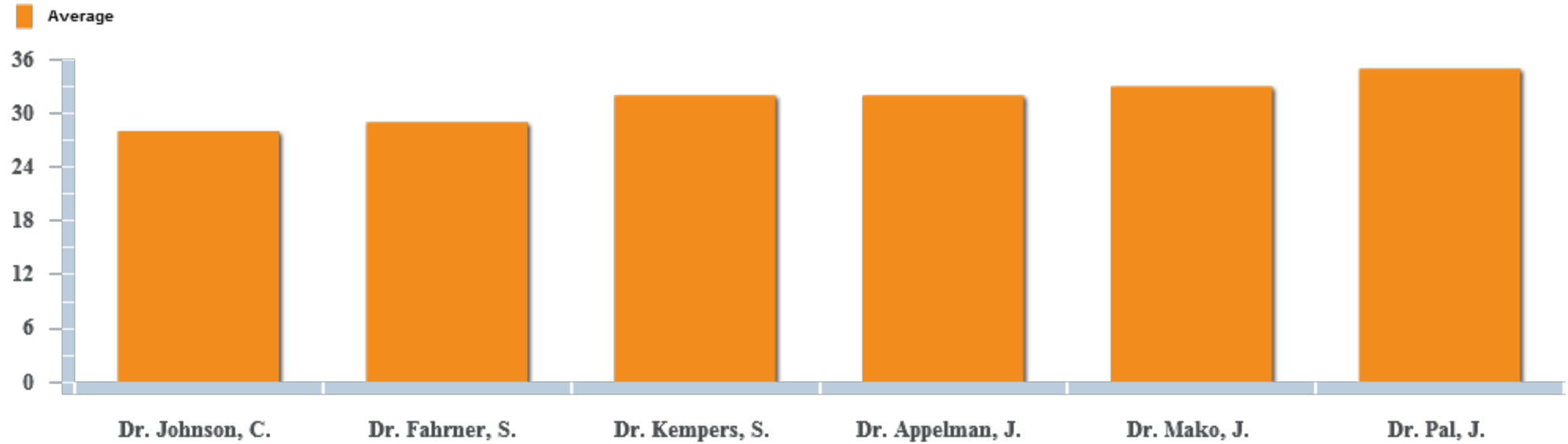


Prep Time by Anesthesia (in minutes)



Anesthesia	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M/S Avg
General	144	35	30	31	33	32	35
Regional + Local Block	6	-	-	-	35	35	38
Local Block	25	31	35	36	-	34	38
Average	175	34	32	32	33	32	35

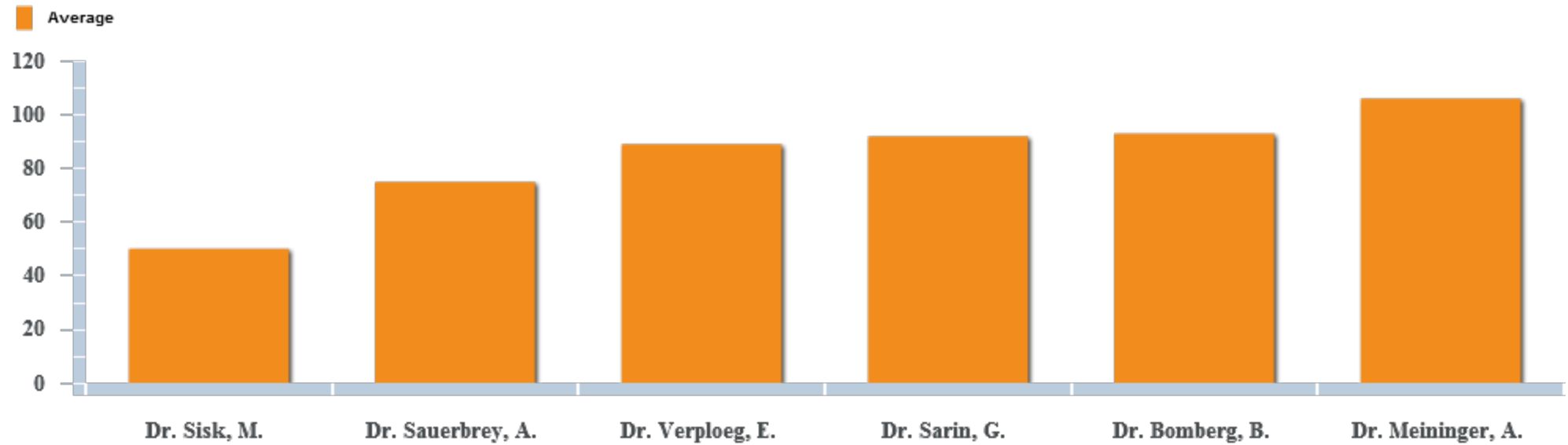
Prep Time by Anesthesiologist (in minutes)



\* Outlier cases >= 49 minutes removed

Anes Name	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Average
Dr. Johnson, C.	21	-	26	30	28	28
Dr. Fahrner, S.	31	25	32	29	31	29
Dr. Appelman, J.	24	32	31	32	32	32
Dr. Kempers, S.	41	34	28	32	36	32
Dr. Mako, J.	29	33	32	33	35	33
Dr. Pal, J.	24	37	34	37	36	35
Average	170	32	31	32	33	32

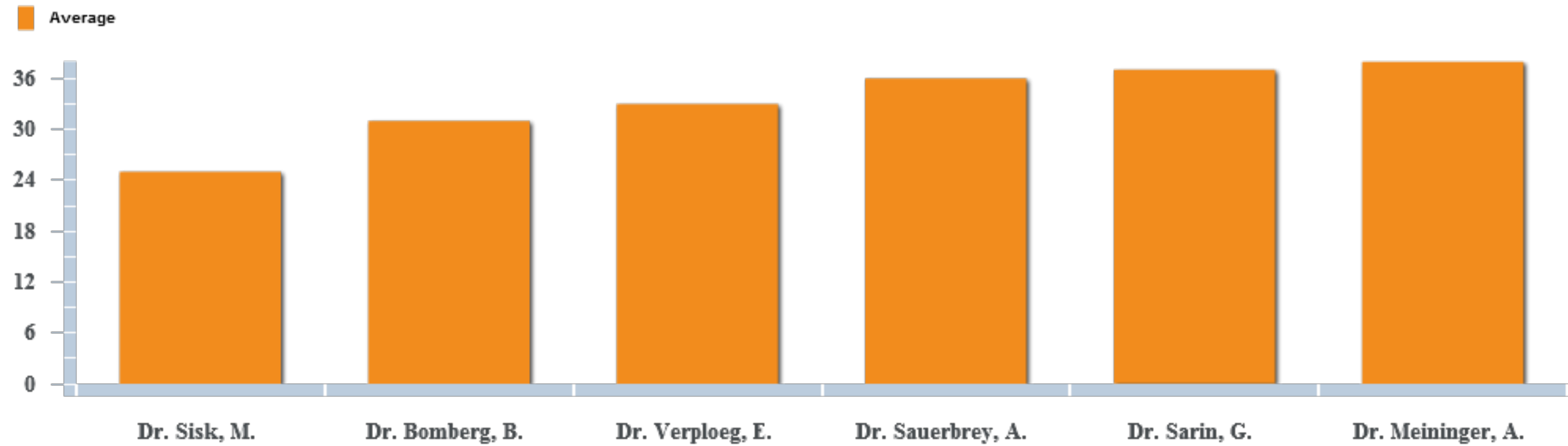
## Surgery Time by Surgeon



\* Outlier cases >= 158 minutes removed

Surgeon	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Average
Dr. Sisk, M.	34	58	43	56	70	50
Dr. Sauerbrey, A.	16	82	79	68	70	75
Dr. Verploeg, E.	47	88	93	87	88	89
Dr. Sarin, G.	15	112	83	91	88	92
Dr. Bomberg, B.	47	96	88	98	88	93
Dr. Meininger, A.	11	105	115	112	92	106
Average	170	89	76	91	85	84

Prep Time by Surgeon (min)



\* Outlier cases >= 49 minutes removed

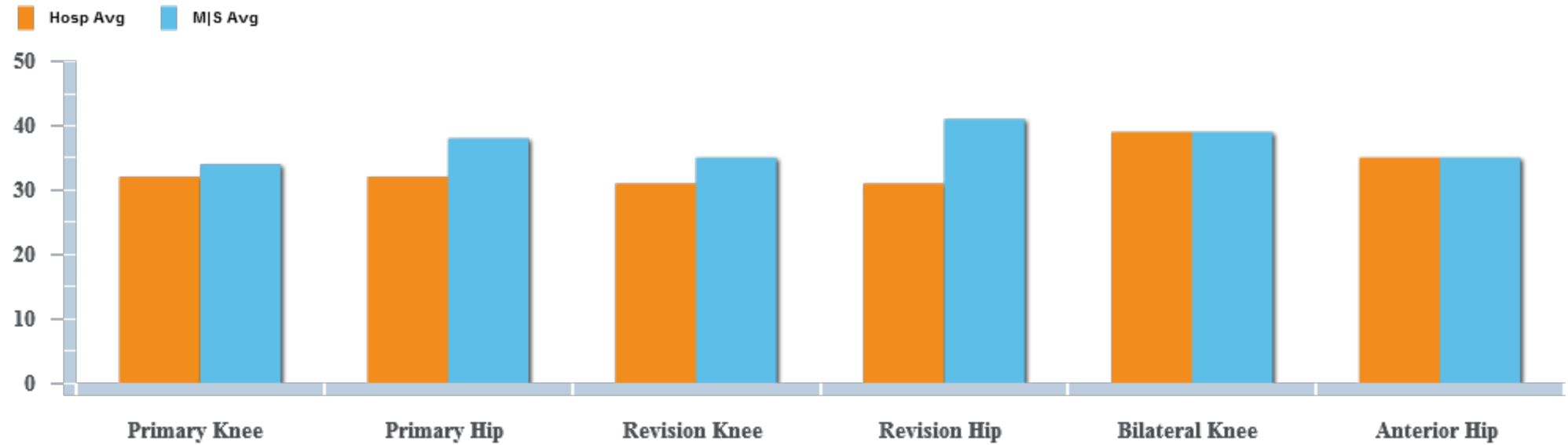
Surgeon	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Average
Dr. Sisk, M.	34	23	26	24	25	25
Dr. Bomberg, B.	48	31	30	31	30	31
Dr. Verploeg, E.	47	36	33	33	33	33
Dr. Sauerbrey, A.	16	42	36	39	32	36
Dr. Sarin, G.	14	31	37	39	42	37
Dr. Meininger, A.	11	42	41	36	36	38
Average	170	32	31	32	33	32

## Prep Time – Outliers

\* Outlier Value : 49 minutes

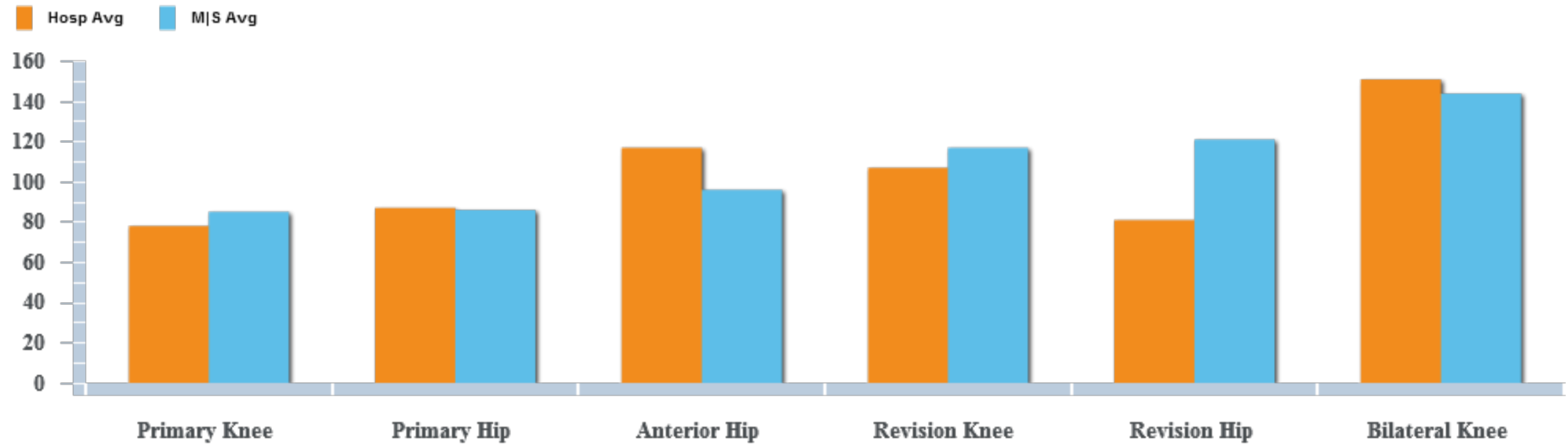
Prep Time	Comorbidity	Age	Procedure	Anesthesiologist	LOS	Discharge Disposition	Anesthesia
50	None	71	Primary Hip	Dr. Kempers, S.	2	Home	General
54	w/CC	73	Revision Knee	Dr. Appelman, J.	2	Home	General
55	None	68	Primary Knee	Dr. Mako, J.	2	Home	Local Block
78	None	71	Primary Knee	Dr. Appelman, J.	2	Home	General
51	None	66	Primary Knee	Dr. Kempers, S.	2	Home	General

### Prep Time by Procedure



Procedure	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M S Avg
Primary Knee	108	36	31	30	32	32	34
Primary Hip	31	36	32	32	32	32	38
Revision Knee	8	22	36	31	41	31	35
Revision Hip	3	-	29	32	-	31	41
Bilateral Knee	6	-	37	40	42	39	39
Anterior Hip	19	33	30	35	38	35	35
Average	175	34	32	32	33	32	35

Surgery Time by Procedure (in minutes)



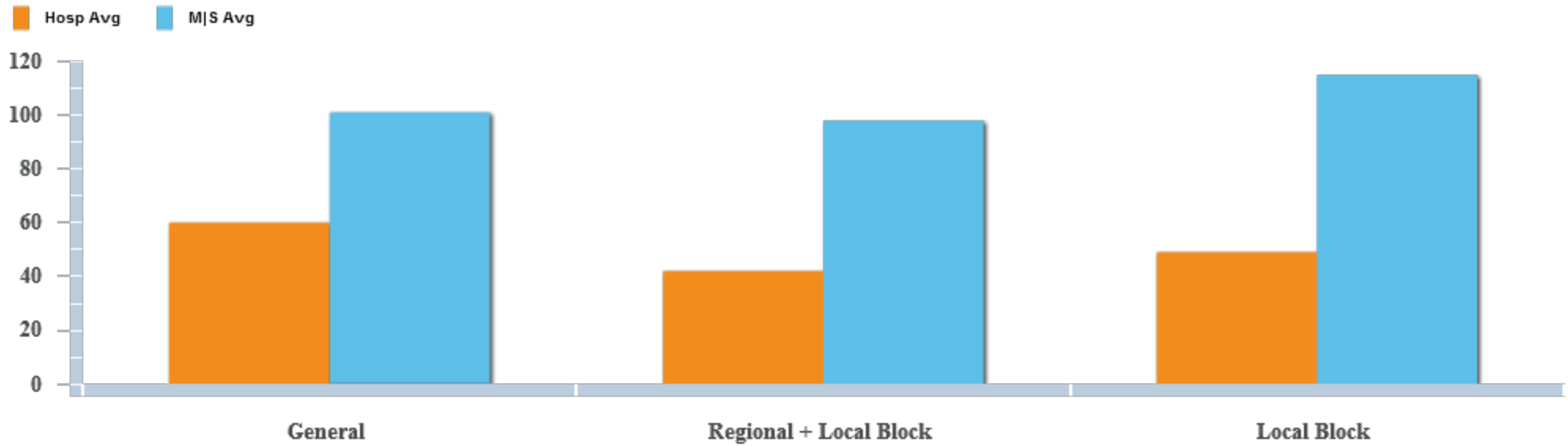
Procedure	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M/S Avg
Primary Knee	100	79	70	84	83	78	85
Primary Hip	29	99	79	91	86	87	86
Anterior Hip	19	107	110	106	146	117	96
Revision Knee	8	129	90	97	98	107	117
Revision Hip	3	-	42	100	-	81	121
Bilateral Knee	6	-	163	174	70	151	144
Average	165	89	79	95	92	88	90

## Surgery Time – Outliers

\* Outlier Value : 158 minutes

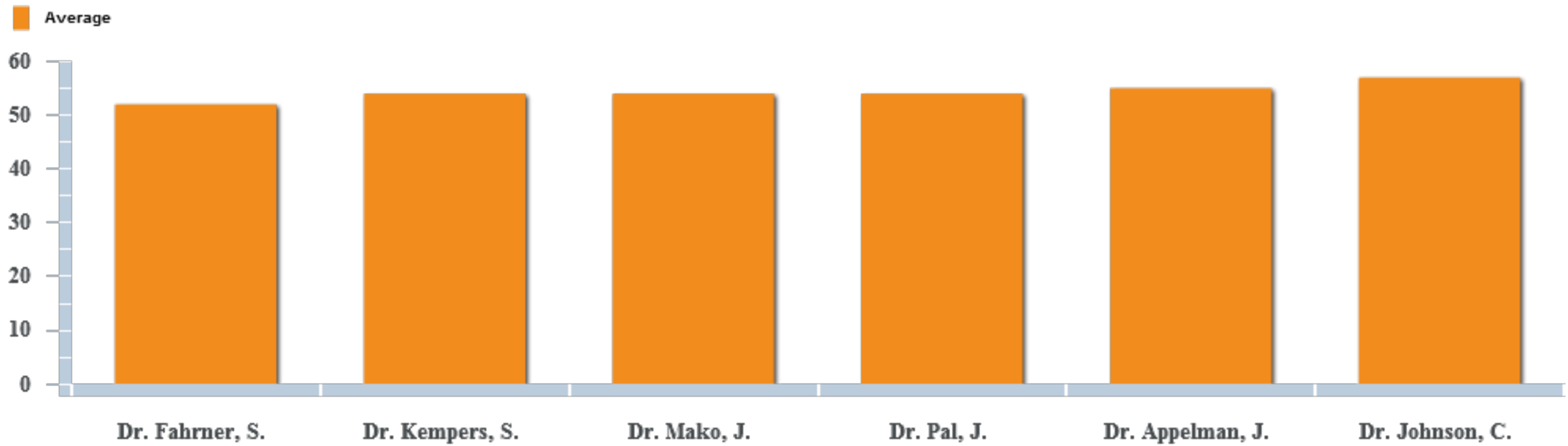
Surgery Time	Comorbidity	Age	Procedure	Surgeon	LOS	Discharge Disposition
340	None	29	Primary Hip	Dr. Meininger, A.	2	Home
182	None	55	Bilateral Knee	Dr. Bomberg, B.	4	Home
165	None	64	Bilateral Knee	Dr. Verploeg, E.	3	Home
177	None	67	Bilateral Knee	Dr. Bomberg, B.	3	Home
163	None	68	Bilateral Knee	Dr. Sauerbrey, A.	4	Home

PACU Time by Anesthesia (in minutes)



Anesthesia	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M/S Avg
General	144	56	64	60	58	60	101
Regional + Local Block	6	-	-	-	42	42	98
Local Block	25	50	50	48	-	49	115
Average	175	55	61	58	56	58	100

PACU Time by Anesthesiologist (in minutes)



\* Outlier cases >= 103 minutes removed

Anes Name	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Average
Dr. Fahrner, S.	29	49	50	57	54	52
Dr. Kempers, S.	42	57	62	51	47	54
Dr. Mako, J.	30	54	57	60	44	54
Dr. Pal, J.	21	64	47	57	49	54
Dr. Appelman, J.	24	46	58	52	58	55
Dr. Johnson, C.	21	-	67	56	43	57
Average	167	55	56	55	50	54

PACU Time – Outliers

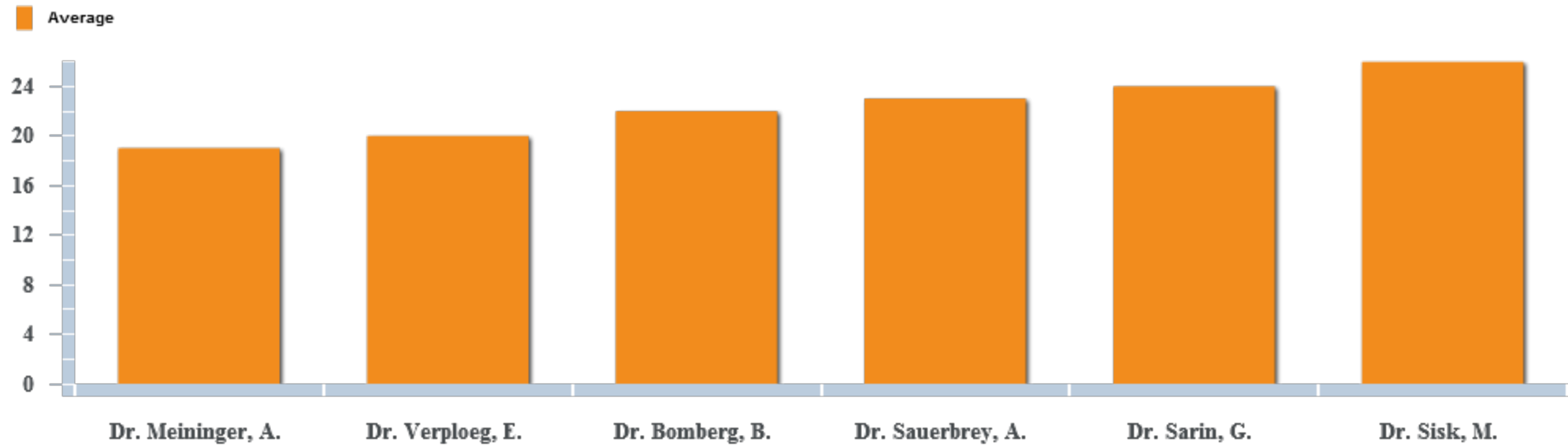
\* Outlier Value : 103 minutes

PACU Time	Comorbidity	Age	Procedure	Anesthesiologist	LOS	Discharge Disposition	Anesthesia
163	None	58	Primary Knee	Dr. Fahrner, S.	3	Home	General
111	None	53	Primary Knee	Dr. Fahrner, S.	2	Home	General
107	None	67	Bilateral Knee	Dr. Appelman, J.	4	SNF	General
119	None	60	Primary Hip	Dr. Kempers, S.	3	Home	General
128	None	71	Primary Hip	Dr. Pal, J.	3	Home	General
114	None	55	Primary Hip	Dr. Appelman, J.	2	Home	General
120	None	52	Primary Hip	Dr. Pal, J.	1	Home	General
160	None	58	Primary Knee	Dr. Pal, J.	2	Home	General

### Duration Accuracy by Procedure Over/Under

Procedure	No of Cases Over	Average Minutes (Over)	No of Cases Under	Average Minutes (Under)
Primary Knee	19	13	86	24
Primary Hip	9	9	21	30
Anterior Hip	2	100	16	26
Revision Knee	5	27	3	26
Revision Hip	1	8	2	46
Bilateral Knee	-	-	6	14
Average	36	19	134	25

Duration Accuracy by Surgeon (in minutes)



\* Outlier cases >= 62 minutes removed

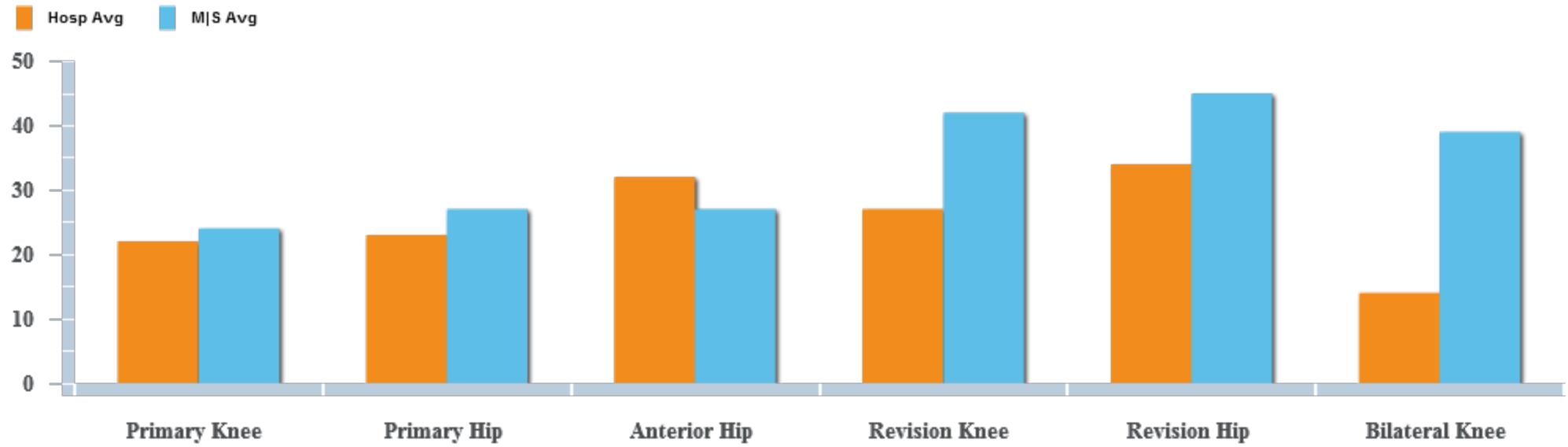
Surgeon	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Average
Dr. Meininger, A.	11	23	14	12	27	19
Dr. Verploeg, E.	48	19	28	18	16	20
Dr. Bomberg, B.	49	22	24	22	20	22
Dr. Sauerbrey, A.	17	8	28	18	25	23
Dr. Sarin, G.	15	33	22	12	28	24
Dr. Sisk, M.	34	26	28	25	13	26
Average	174	22	26	20	20	22

## Duration Accuracy by Surgeon

\* Outlier cases  $\geq 62$  minutes removed

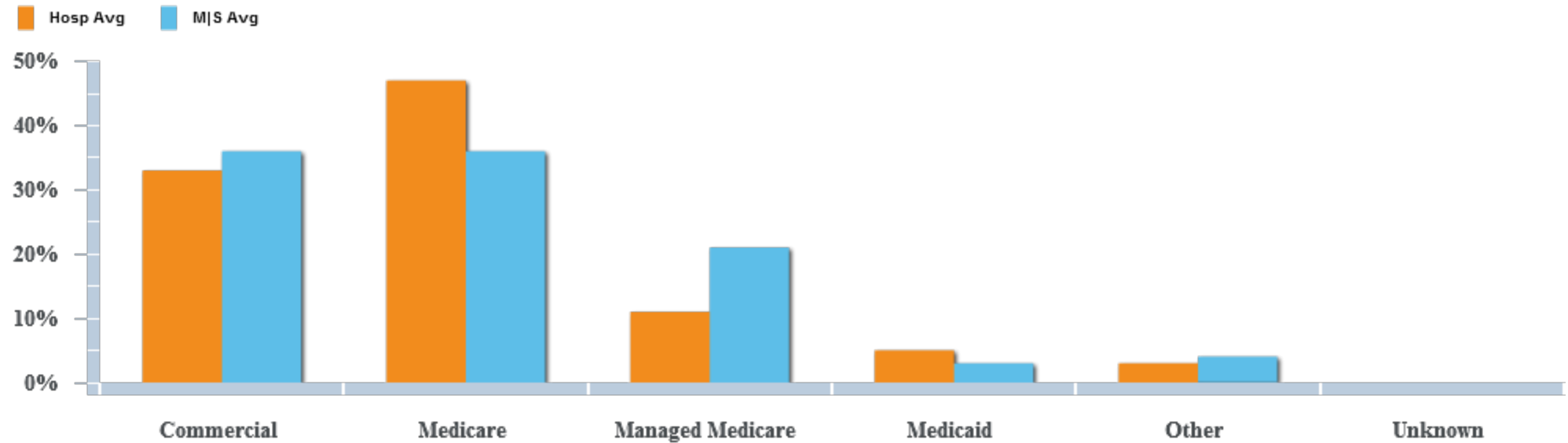
Surgeon	No of Cases Over	Average Minutes (Over)	No of Cases Under	Average Minutes (Under)
Dr. Bomberg, B.	6	9	40	26
Dr. Meininger, A.	4	8	6	30
Dr. Sarin, G.	5	14	10	28
Dr. Sauerbrey, A.	5	14	12	27
Dr. Sisk, M.	4	18	30	27
Dr. Verploeg, E.	11	17	36	21
Average	35	14	134	25

Duration Accuracy by Procedure (in minutes)



Procedure	Case Volume	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	MJS Avg
Primary Knee	108	21	27	19	17	22	24
Primary Hip	31	19	33	16	22	23	27
Anterior Hip	19	20	12	26	59	32	27
Revision Knee	8	37	19	2	43	27	42
Revision Hip	3	-	37	32	-	34	45
Bilateral Knee	6	-	13	20	7	14	39
Average	175	22	26	20	24	23	27

### Payor Mix (% of Total Cases)



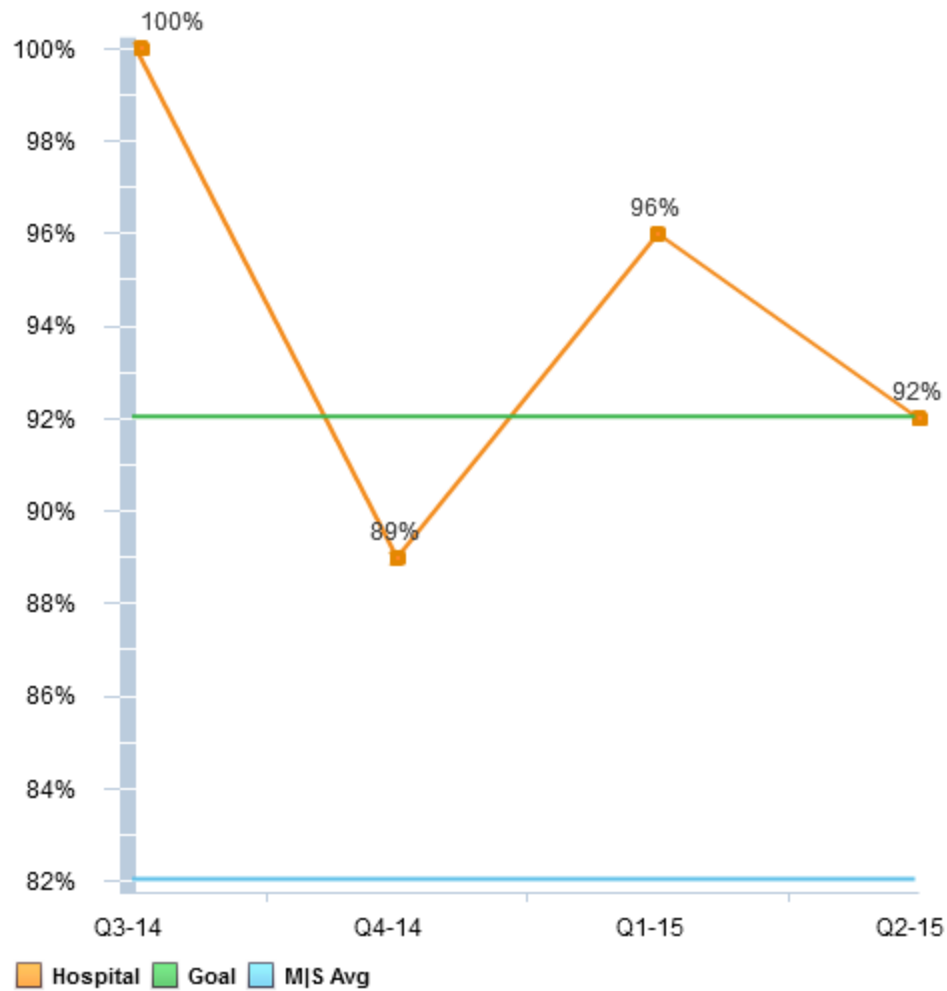
Payor	Q3-14	Q4-14	Q1-15	Q2-15	Hosp Avg	M S Avg
Commercial	31%	39%	29%	32%	33%	36%
Medicare	41%	44%	51%	50%	47%	36%
Managed Medicare	19%	11%	8%	10%	11%	21%
Medicaid	6%	4%	6%	5%	5%	3%
Other	3%	2%	6%	2%	3%	4%
Unknown	0%	0%	0%	0%	0%	0%

## Payor Mix by Surgeon

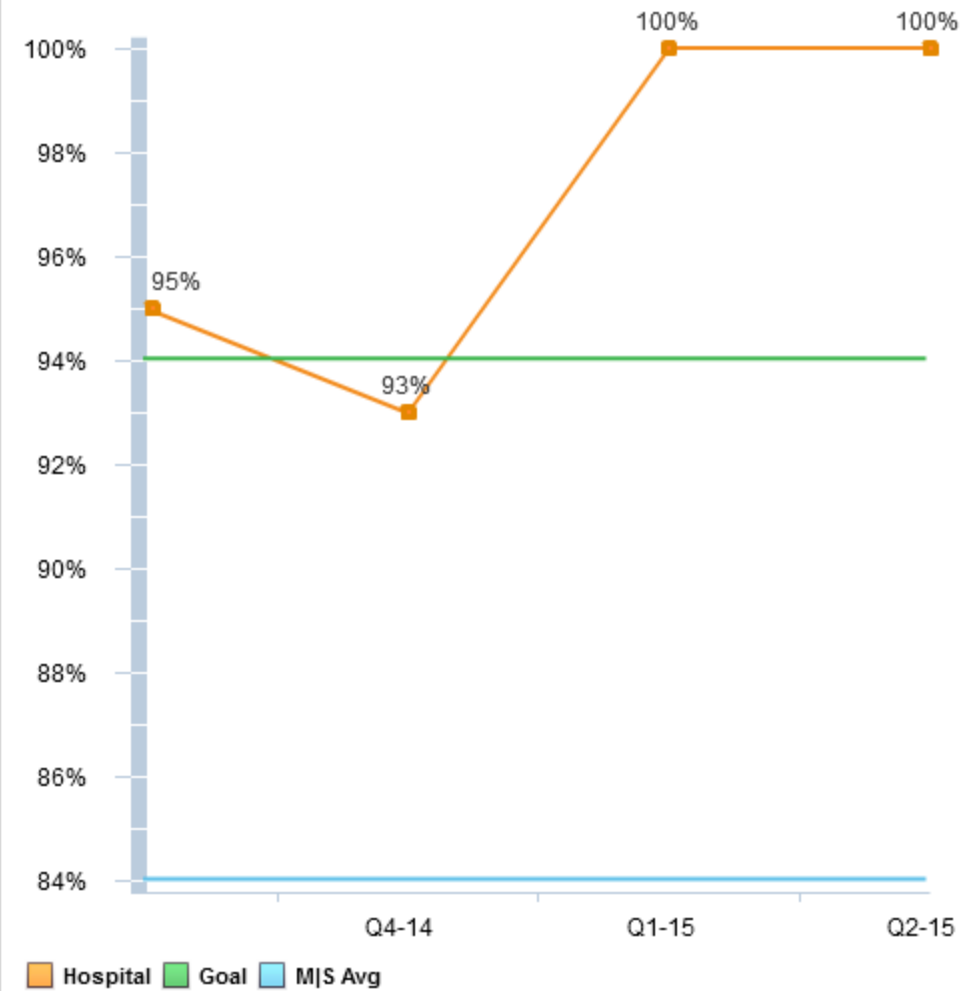
Surgeon	Case Volume	Commercial	Medicare	Managed Medicare	Medicaid	Other	Unknown
Dr. Bomberg, B.	49	29%	45%	10%	10%	6%	0%
Dr. Meininger, A.	12	58%	33%	8%	0%	0%	0%
Dr. Sarin, G.	15	33%	53%	7%	0%	7%	0%
Dr. Sauerbrey, A.	17	59%	29%	6%	0%	6%	0%
Dr. Sisk, M.	34	24%	53%	18%	6%	0%	0%
Dr. Verploeg, E.	48	29%	52%	12%	4%	2%	0%
Average	175	33%	47%	11%	5%	3%	0%

Satisfaction

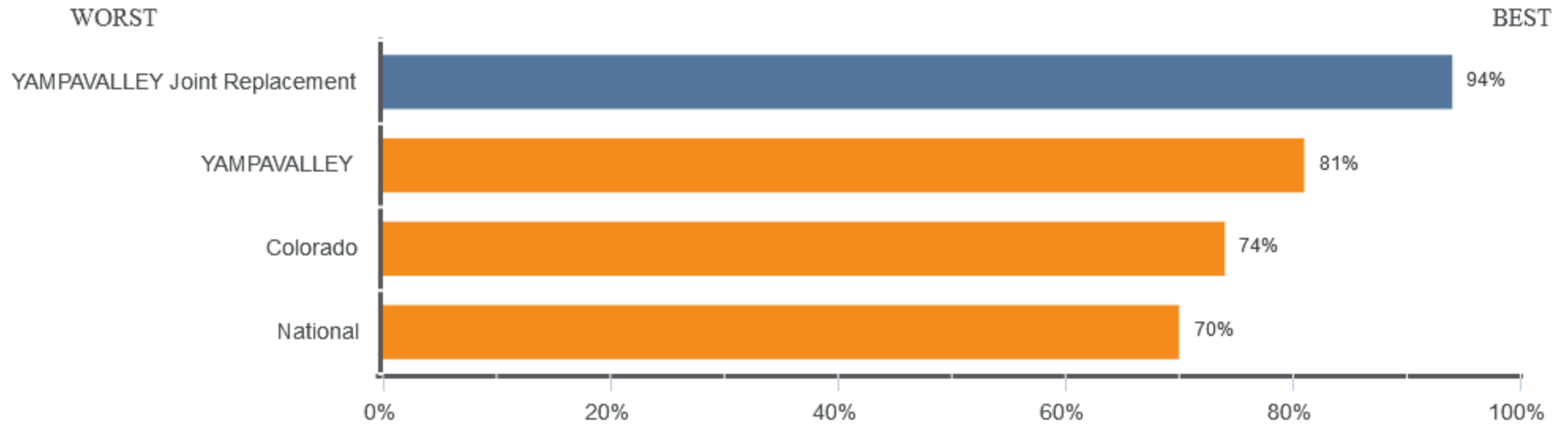
Overall Satisfaction (%)



Likelihood to Recommend (%)

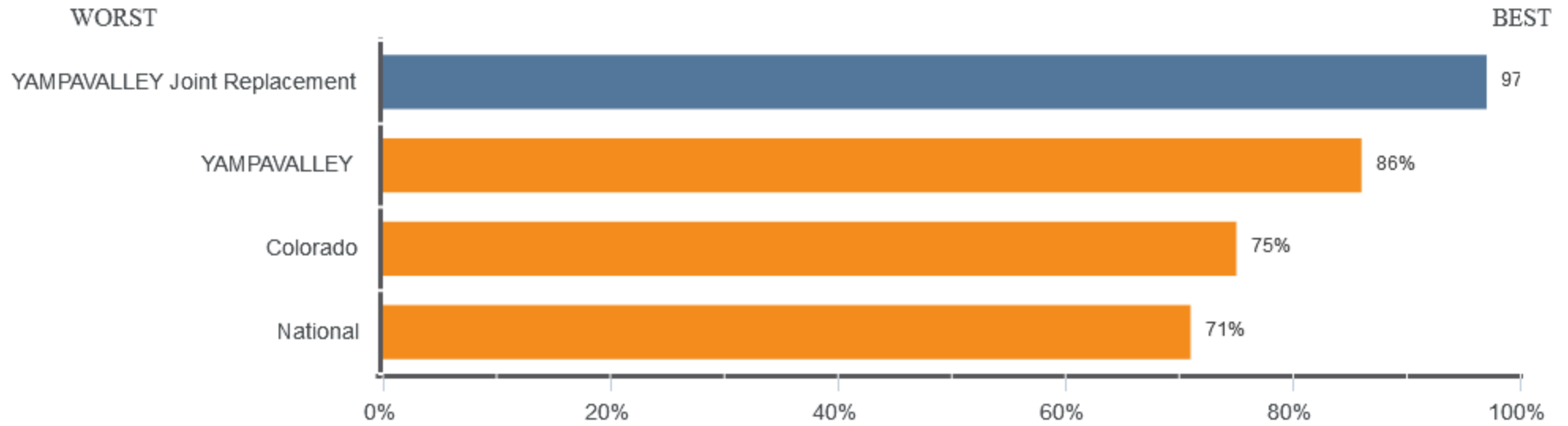


### Overall Satisfaction



<<outlierlabel>>

### Likelihood to Recommend



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