

Consultant Level Report for:

Neil Bradbury
GMC Number: 3056750
NJR Number: 755

For the Period to 31 March 2019

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This report has been produced by the National Joint Registry for England, Wales, Northern Ireland and the Isle of Man. It represents all activity recorded in the NJR, in the name of the selected surgeon (as Consultant in Charge), up to the specified period.

This report is made available to the named surgeon for personal review, to share with colleagues, and to be used in consultant re-validation. The named surgeon in this report is free to share this report as they choose.

Constraints

This report reflects data reported in the NJR. Missing data and issues with the quality of data recorded within the NJR may impact the results shown. You should consider the following in assessing the data quality of the report:

- Consent – an assessment of the proportion of patients at your trust who provide consent for their details to be recorded within the NJR. Without consent, it is not possible to link primary and revision procedures in the calculation of revision rates.
- NJR Compliance – The percentage of all total joint procedures for your trust that have been entered into the NJR within any given period compared with the number of procedures submitted to HES and/or PEDW.

Changes to previous reports

In previous reports, the analyses and reports have been based on all the data held by the NJR, i.e. 'life of registry' data. For both this, and future reports, the analysis will use only the latest ten years' data held by the NJR. This may result in noticeable movement in individual surgeon plots from those displayed on previous funnel plots. For a full explanation of why it has been decided to move from an analysis based on 'life of registry' data to that based on the latest ten years' of data, please visit the NJR website, the details of which are included below.

Further Information

Further analysis of this data is possible through the NJR Clinician Feedback System, www.njrclinicianfeedback.org.uk

For further information please visit the NJR website at www.njrcentre.org.uk or contact the NJR Service Desk on 0845 345 9991 or health_servicedesk@northgateps.com.

Organisation Summary

In this Section : Total primary and revision activity recorded for the surgeon (as Consultant in Charge) on the NJR over a 12 and 36 month period, the joint type, and the hospital in which the operation was performed.

12 month activity: for the period 1 Apr 2018 – 31 Mar 2019

Organisation Type	Unit	Hip	Knee	Ankle	Elbow	Shoulder	Total	% of activity
Independent Sector	BMI Bath Clinic	0	9	0	0	0	9	3%
Independent Sector	Circle Bath Hospital	0	219	0	0	0	219	82%
Independent Sector	Emersons Green NHS Treatment Centre	0	4	0	0	0	4	2%
Independent Sector	The Princess Grace Hospital	0	10	0	0	0	10	4%
Independent Sector	The Wellington Hospital	0	1	0	0	0	1	0%
NHS	Royal United Hospital	1	22	0	0	0	23	9%
Total		1	265	0	0	0	266	

36 month activity: for the period 1 Apr 2016 – 31 Mar 2019

Organisation Type	Unit	Hip	Knee	Ankle	Elbow	Shoulder	Total	% of activity
Independent Sector	BMI Bath Clinic	0	23	0	0	0	23	3%
Independent Sector	Circle Bath Hospital	0	599	0	0	0	599	82%
Independent Sector	Emersons Green NHS Treatment Centre	0	4	0	0	0	4	1%
Independent Sector	The Princess Grace Hospital	0	10	0	0	0	10	1%
Independent Sector	The Wellington Hospital	0	8	0	0	0	8	1%
NHS	Royal United Hospital	5	79	0	0	0	84	12%
Total		5	723	0	0	0	728	

Data Quality

In this Section : Measure of consent is the proportion of all patients who agree to have their data stored in the NJR. Where consent is less than average, this may mean that not all data for the surgeon is loaded on the NJR, or that missing data for the surgeon reduces the reliability of indicators and outcome measures. Counts are for the period 1 Apr 2018 – 31 Mar 2019.

NJR Consent:

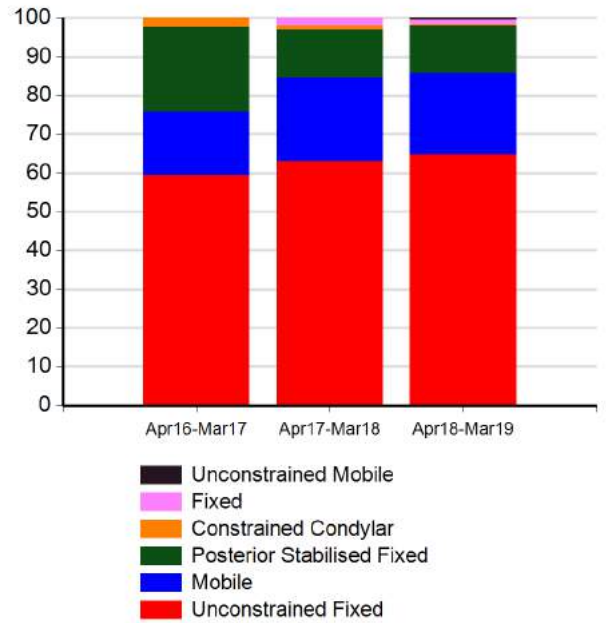
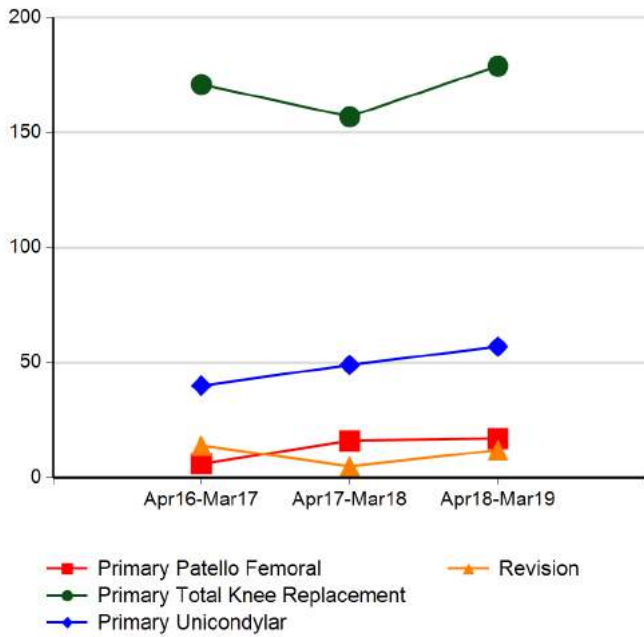
Measure	NJR Consent
National Average Rate	94.17%
This surgeon's rate	86.09%

Unit level measures where this surgeon has activity:

Organisation Type	Unit	NJR Consent
Independent Sector	BMI Bath Clinic	100.00%
Independent Sector	Circle Bath Hospital	84.47%
Independent Sector	Emersons Green NHS Treatment Centre	100.00%
Independent Sector	The Princess Grace Hospital	90.00%
Independent Sector	The Wellington Hospital	100.00%
NHS	Royal United Hospital	91.30%

Knees – Recorded Activity

In this Section : Volume, procedure type undertaken by the surgeon over a 36 month period, showing year on year trend.



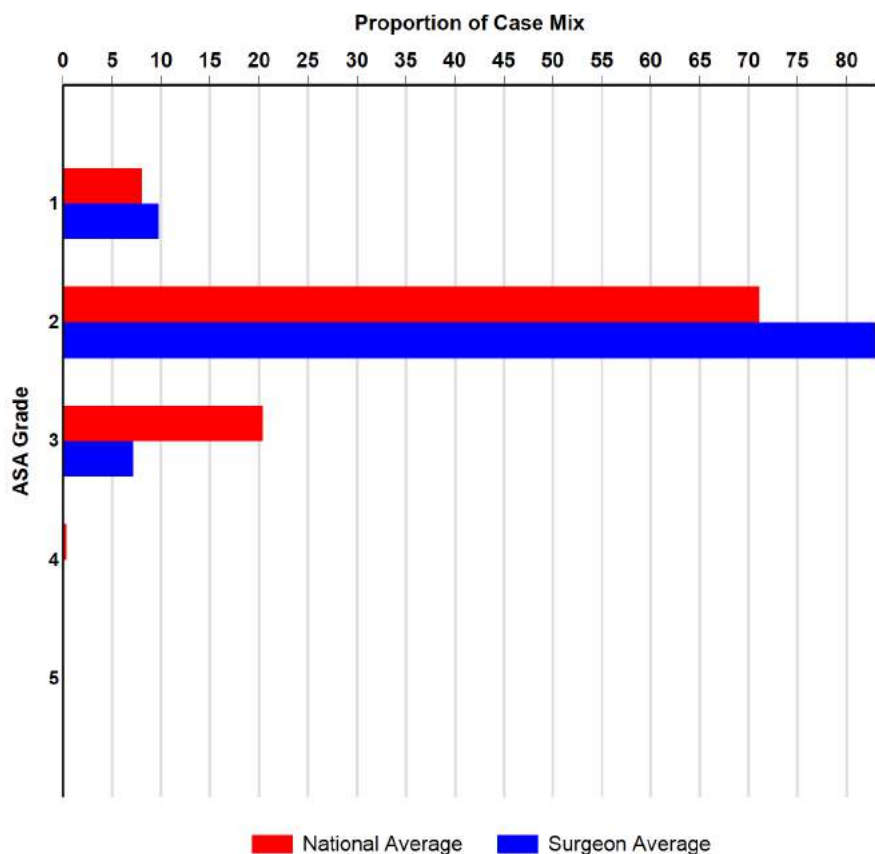
Procedure Type	Apr16-Mar17	Apr17-Mar18	Apr18-Mar19
Primary Patello Femoral	6	16	17
Primary Total Knee Replacement	171	157	179
Primary Unicondylar	40	49	57
Revision	14	5	12
Total	231	227	265

Knee Constraint	Apr16-Mar17	Apr17-Mar18	Apr18-Mar19
Constrained Condylar	5	2	1
Fixed	0	4	3
Mobile	37	45	52
Posterior Stabilised Fixed	49	26	30
Unconstrained Fixed	133	132	160
Unconstrained Mobile	0	0	1
Total	224	209	247

Knees – Patient Profile

In this Section : The profile of knee patients operated on in the name of the surgeon (as Consultant in Charge) over the 12 month period 1 Apr 2018 – 31 Mar 2019.

ASA Grade



BMI

	Patient Median BMI
National	30.00
Surgeon	27.00

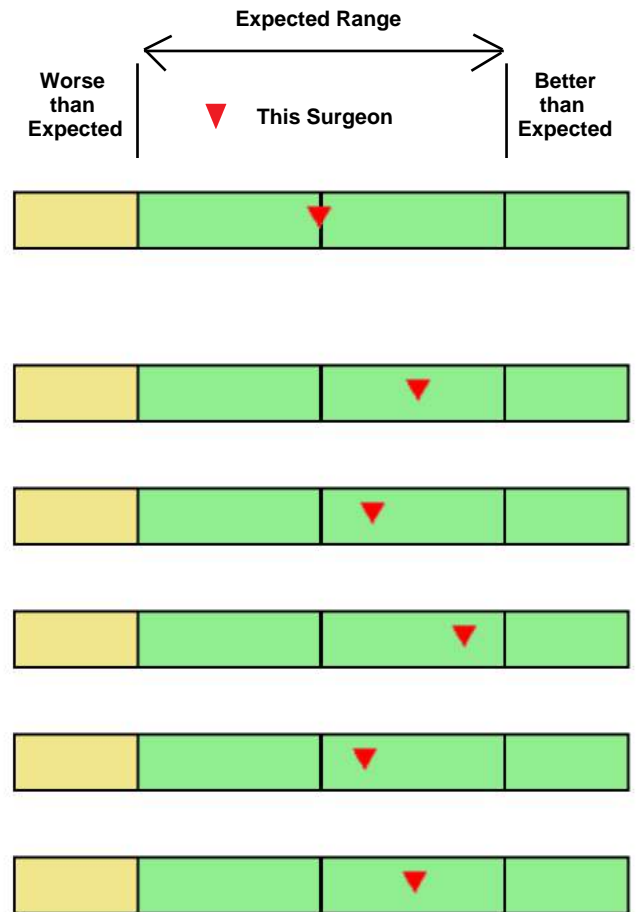
AGE

	Patient Mean Age
National	69.06
Surgeon	68.53

Outcomes following Primary Knee Surgery

In this Section : Quality and outcome measures for patients receiving primary knee replacement surgery by this surgeon based on an analysis of the most recent ten years' of data. This is a change to previous reports where the analysis has been based on all data held by the NJR, i.e. 'life of registry'. The SRR and SMR data are also available as funnel plots: see Appendices 1, 2 and 3.

Indicator Set	Indicator	Linkable Primaries	Expected Events	Observed Events
Mortality	Primary Knee – Last Five Years	1100	1.82	2
Revision	Knee All - Last Ten Years	1619	32.39	23
Revision	Knee All - Last Five Years	1109	13.76	10
Revision	Total Knee Replacement - Last Ten Years	1136	17.59	8
Revision	Unicondylar Knee Procedures - Last Ten Years	378	14.40	11
Revision	Patello-Femoral Knee Procedures - Last Ten Years	105	8.83	4



Definitions

Mortality : Patient death (for whatever reason) within 90 days of the procedure having taken place.

The expected number of events in the table above are based on the number of primary procedures performed, and have been calculated from national average figures. The expected number has been adjusted to take into account selected patient variables such as age, gender, and ASA grade. The charts to the right depict the statistical significance of any difference between the observed number of events and corresponding expected number. There is a less than 0.1% chance that any individual surgeon will fall in the “better than expected” zone by chance alone, and similarly less than 0.1% chance of falling in the “worse than expected” zone. Note that depiction as an outlier does not constitute proof of over or under performance; some variation could be attributable to patient related (or other) risk factors that are not included in the adjustment model.

When calculating the 90 Day SMR, some primary procedures are excluded. For hips, this is procedures with indications of trauma or metastatic cancer/malignancy. For knees, it is procedures with trauma as an indication for implantation.

Knee – Revision

In this Section: Based on the most recent ten years' of data, the list includes all revised operations recorded in the NJR where the primary knee procedure was recorded in the name of the surgeon. Other information includes the date of, and reason for, the revision, the patient age and ASA at the time of the primary procedure, the time elapsed between the primary and revision procedure, and whether the revision was undertaken by the surgeon themselves. 1, 3 and 5 year revision rates (non case-mix adjusted) for the surgeon are also shown. The table below may contain cases excluded from outcome analysis presented in the charts e.g. trauma cases.

Linked / Attributable Knee Revisions from 1619 linkable primary procedures

New cases are shown in bold text

NJR Index No/ Local Patient Id	Date of Primary / Revision	Primary Hospital	Time From Primary	Primary Type	Reasons for Revision	Patient Age / ASA at Time of Primary	Revised by Selected Surgeon	Revising Consultant in Charge	Revising Hospital
899615 347391	02/03/09 03/10/09	BMI Bath Clinic	0 Year 7 Month	Unicondylar	aseptic loosening femur; Instability	50 1	Yes		Royal United Hospital
945360 237604	04/06/09 05/12/12	BMI Bath Clinic	3 Year 6 Month	Unicondylar	pain	72 1	Yes		Royal United Hospital
1022676 251985	03/11/09 12/02/16	BMI Bath Clinic	6 Year 3 Month	Unicondylar	aseptic loosening femur; ProgressiveArthritis	77 1	No	Stephen John Pope	Royal United Hospital
1034313 1342328	12/11/09 22/12/10	Royal United Hospital	1 Year 1 Month	Primary Cemented	infection	75 2	Yes		
1093321 10263	22/03/10 18/07/17	Circle Bath Hospital	7 Year 4 Month	Primary Cemented	Instability; Malalignment; WearOfPolyethylene Component	52 2	No	Iacopo Ciampolini	Shepton Mallet Treatment Centre
1107091 10896	26/04/10 27/03/12	Circle Bath Hospital	1 Year 11 Month	Primary Cemented	Instability	71 2	No	Philip James Chapman-Sheath	Southampton General Hospital
1234267 14482	29/10/10 25/08/15	Circle Bath Hospital	4 Year 10 Month	Unicondylar	ComponentDissociation; dislocation subluxation	49 2	No	Barry David Ferris	Chase Farm Hospital
1440129 1507273	04/01/12 26/10/17	Royal United Hospital	5 Year 9 Month	Patello-femoral	aseptic loosening femur	58 3	No	Adrian Elliott Weale (Deceased)	Southmead Hospital
1440794 27300	23/01/12 26/06/17	Circle Bath Hospital	5 Year 5 Month	Unicondylar	ProgressiveArthritis	53 2	No	David Hywel Davies	Southmead Hospital
1551991 0604886	04/07/12 24/01/13	Royal United Hospital	0 Year 6 Month	Unicondylar	dislocation subluxation	52 2	No	Allister Trezies	
1659698 0639748	16/01/13 14/08/15	Royal United Hospital	2 Year 7 Month	Primary Cemented	Instability	43 2	No	Fares Sami Haddad	University College Hospital
1848667 45247	11/11/13 19/11/15	Circle Bath Hospital	2 Year 0 Month	Patello-femoral	ProgressiveArthritis	56 2	No	Stephen John Pope	BMI Bath Clinic
1836436 39747	12/11/13 09/10/17	Circle Bath Hospital	3 Year 11 Month	Patello-femoral	pain	47 1	No	David Cox	Salisbury District Hospital
1935558 20157	02/06/14 16/05/15	Circle Bath Hospital	0 Year 11 Month	Primary Cemented	infection	64 2	No	Andrew Toms	Royal Devon and Exeter Hospital (Wonford)
1996161 54036	29/08/14 02/10/17	Circle Bath Hospital	3 Year 2 Month	Unicondylar	ComponentDissociation	74 2	No	Julian Foote	Royal United Hospital

NJR Index No/ Local Patient Id	Date of Primary / Revision	Primary Hospital	Time From Primary	Primary Type	Reasons for Revision	Patient Age / ASA at Time of Primary	Revised by Selected Surgeon	Revising Consultant in Charge	Revising Hospital
2103422 60940	18/02/15 05/07/16	Circle Bath Hospital	1 Year 5 Month	Unicondylar	pain	70 2	Yes		
2156684 59793	11/05/15 28/05/15	Circle Bath Hospital	0 Year 0 Month	Primary Cemented	infection	45 2	No	Shafic Said Al-Nammari	Ipswich Hospital
2245869 62362	28/09/15 08/11/16	Circle Bath Hospital	1 Year 2 Month	Unicondylar	dislocation subluxation	69 1	Yes		
2245853 66066	29/09/15 17/02/17	Circle Bath Hospital	1 Year 5 Month	Patello-femoral	infection	52 2	No	Jonathan Eldridge	Southmead Hospital
2925367 48749	10/06/16 04/07/17	Circle Bath Hospital	1 Year 1 Month	Primary Cemented	infection; LysisFemur; LysisTibia	65 2	No	Andrew Porteous	Southmead Hospital
2635532 26947	25/04/17 09/11/18	Circle Bath Hospital	1 Year 7 Month	Primary Cemented	dislocation subluxation; infection	67 1	No	Julian Foote	Royal United Hospital
2768239 75621	30/10/17 04/12/17	Circle Bath Hospital	0 Year 2 Month	Unicondylar	other indication for revision	70 2	Yes		
4009833 52765	05/06/18 29/10/18	Circle Bath Hospital	0 Year 4 Month	Primary Unicompartental	aseptic loosening tibia	72 1	Yes		

Count of Revised Primaries by Year

This table shows, by year, the number of primaries for which there is a linked revision for the most recent ten years.

Year	Number of primaries revised
2008/09	1
2009/10	4
2010/11	2
2011/12	2
2012/13	2
2013/14	2
2014/15	3
2015/16	3
2016/17	1
2017/18	2
2018/19	1

Unadjusted Revision Rate (all NJR)

Revision Period / Revision in	No of Recorded Primaries	No of Attributable Revisions	Unadjusted Revision Rate	National Average
1 Year	1920	6	0.31%	0.48%
3 Years	1497	15	1.00%	1.80%
5 Years	997	15	1.50%	2.63%

Linked / Attributable Knee Revision of Revisions from 78 linkable revision procedures

Nationally, the NJR has recorded 63,600 revisions in the most recent ten years of which 6,159 have been re-revised (9.68% unadjusted).

NJR Index No/ Local Patient Id	Date of Revision / RoR	Revision Hospital	Time From First Revision	Revision Type	Reasons for RoR	Patient Age / ASA at Time of Revision	RoR by Selected Surgeon	RoR Consultant in Charge	RoR Hospital
2210074 65349	03/08/15 19/10/15	Circle Bath Hospital	0 Year 2 Month	Revision Cemented	aseptic loosening femur; aseptic loosening tibia; infection; LysisFemur; LysisTibia	78 2	Yes		
2328275 15745	30/01/16 15/02/16	Circle Bath Hospital	0 Year 1 Month	Revision Cemented	infection	74 2	No	Allister Trezies	Royal United Hospital
2389845 0752343	03/05/16 31/01/17	Royal United Hospital	0 Year 8 Month	Revision Cementless	infection; LysisFemur; LysisTibia	71 2	No	Ganesan Senthil Kumar	

Knees – Mortality

In this Section : Lists all deaths within 90 days of knee surgery, for the most recent five years of data undertaken by the surgeon. The date of the procedure, details of the surgery and the patient are shown. The table may contain cases excluded from outcome analysis presented in the charts e.g. procedures with an indication of trauma (Hips and Knees) or metastatic cancer/malignancy (Hips only).

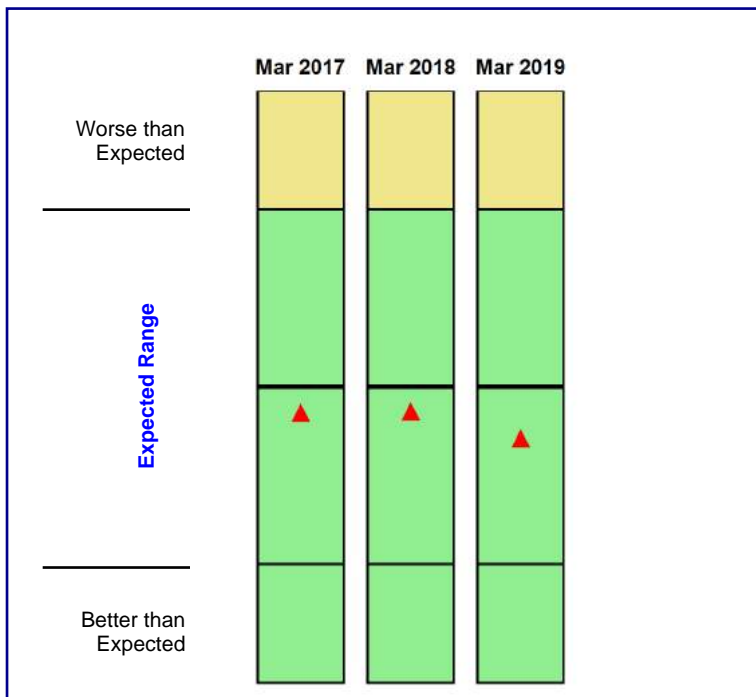
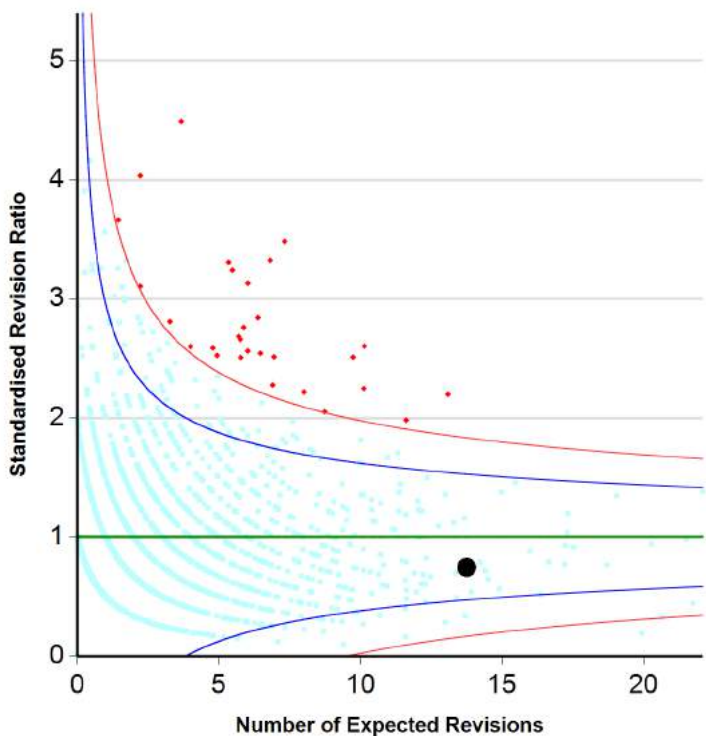
90 Day Mortality Events

NJRIndexNo	Local Patient Id	Date of Primary	Primary Type	Indications for Surgery	Patient Age	Patient ASA Grade
2251649	0337997	09/09/15	Primary Cemented	Osteoarthritis	79	2
2289103	49035	28/11/15	Primary Cemented	Osteoarthritis	87	2

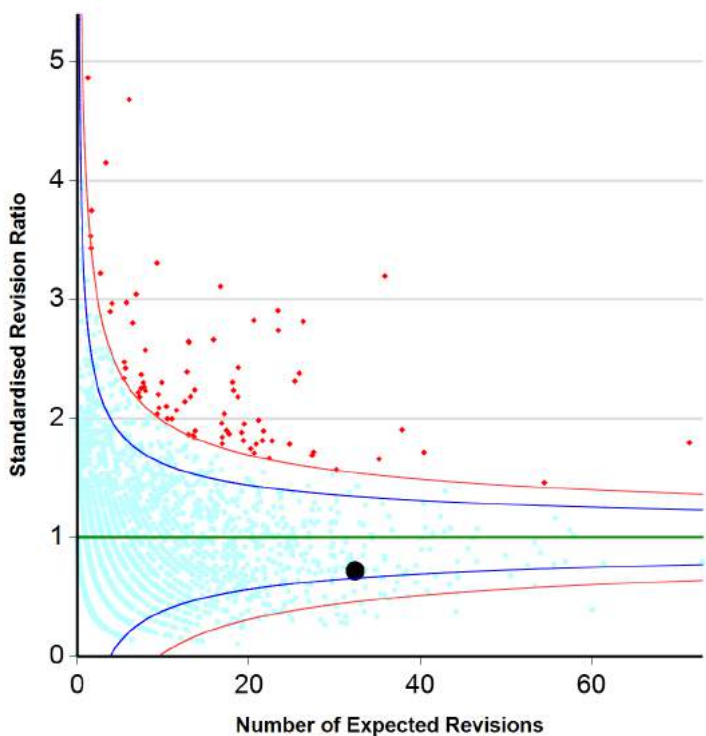
Appendix 1 : SRR Funnel Plots (as Consultant in Charge) - Knees

Standardised Revision Ratio Funnel Plot Representation: This section illustrates your Standardised Revision Ratio in the form of a funnel plot, based on the most recent ten years' of data. This is an alternative method of displaying the values shown within the main report for this indicator, and includes plots for all other surgeons.

Knee all - Last Five years



Knee all - Last Ten years

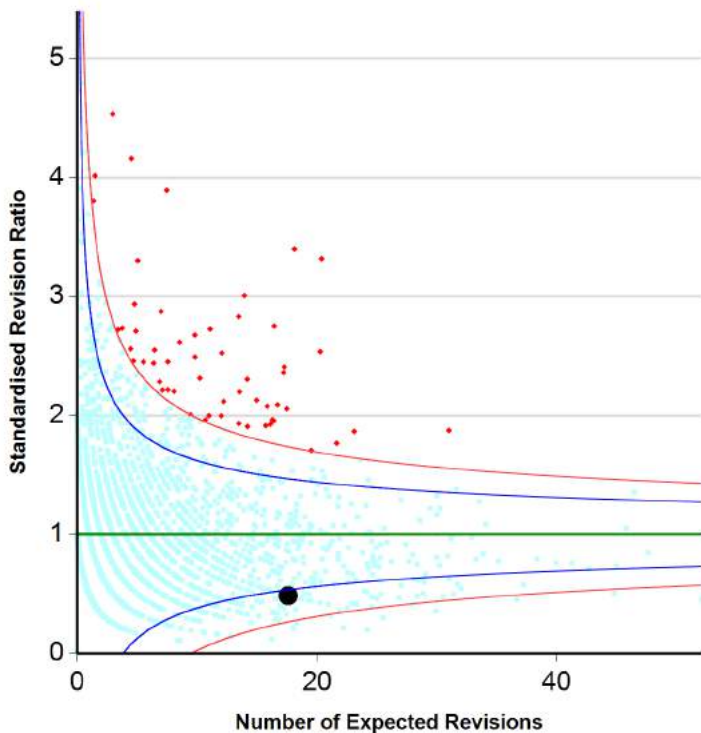


■ Data — Upper 99.8% — Upper 95% — Lower 95% — Lower 99.8% ◆ Outlier ● Mar 2019

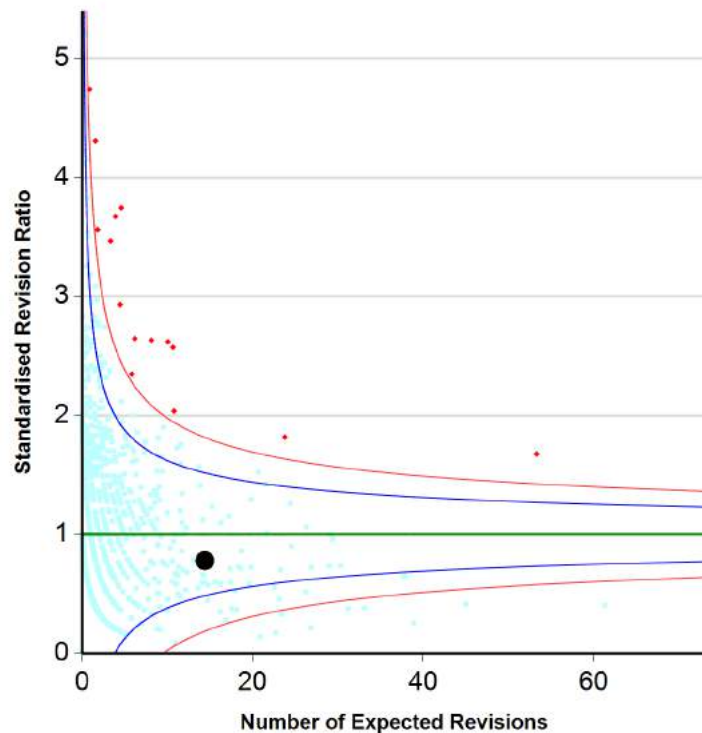
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Standardised Revision Ratio Funnel Plot Representation: This section illustrates your Standardised Revision Ratio in the form of a funnel plot, based on the most recent ten years' of data. This is an alternative method of displaying the values shown within the main report for this indicator, and includes plots for all other surgeons.

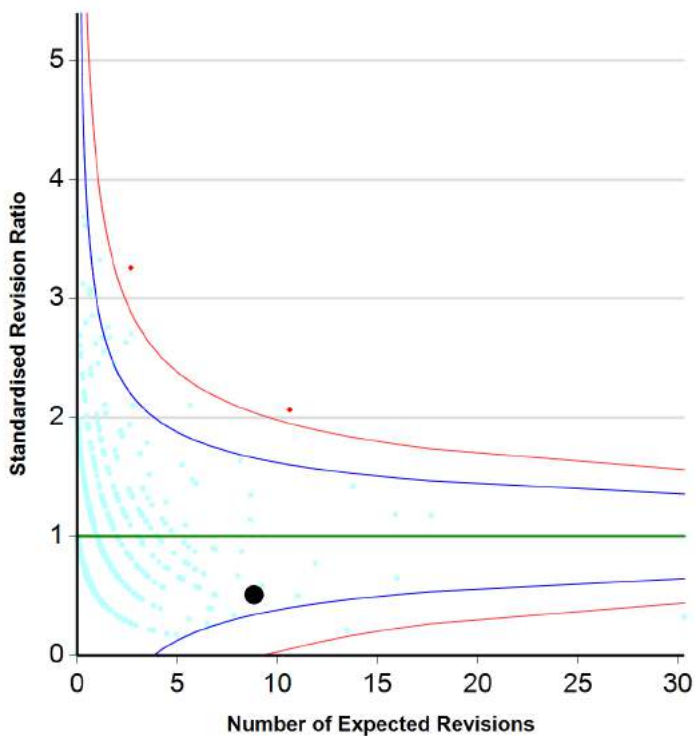
Total Knee replacement



Unicondylar Knee procedures



Patello-femoral Knee procedures

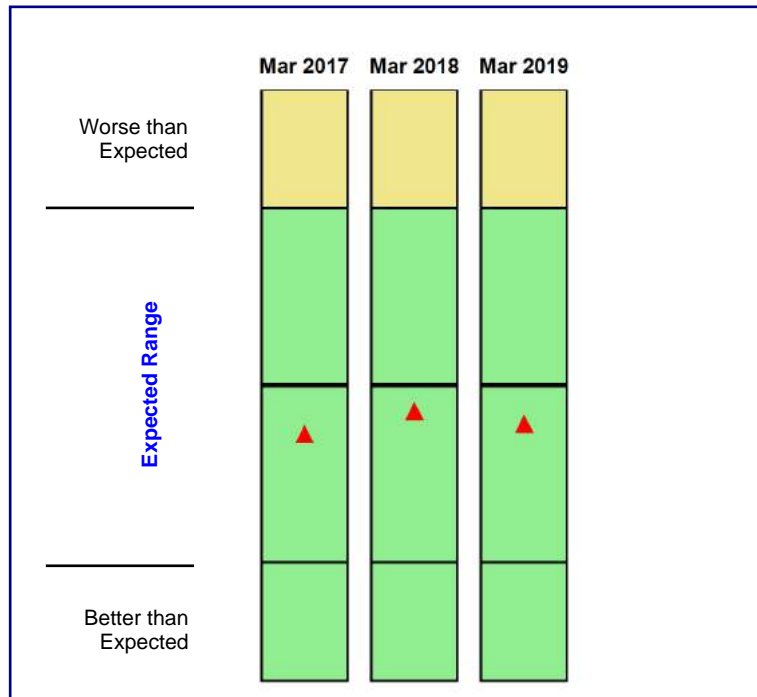
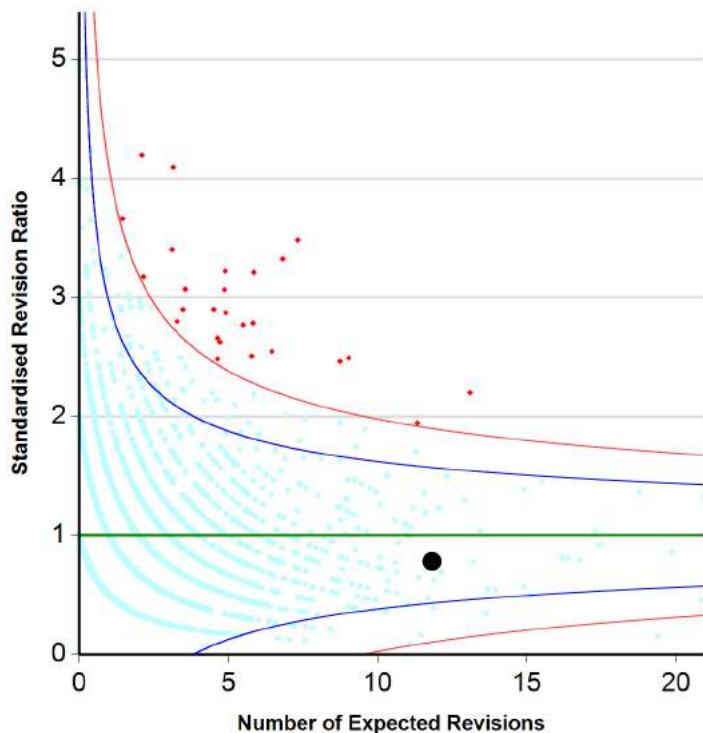


■ Data — Upper 99.8% — Upper 95% — Lower 95% — Lower 99.8% ◆ Outlier ● Mar 2019

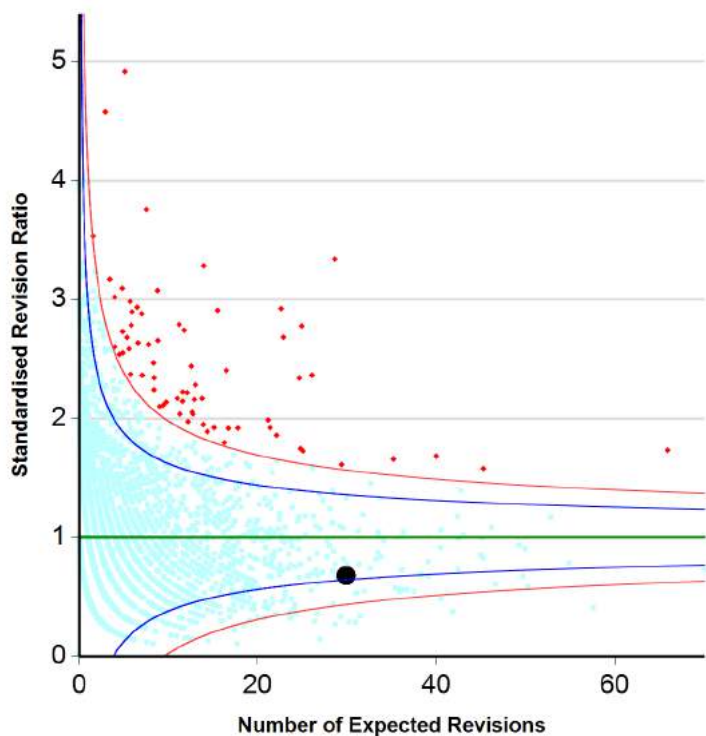
Appendix 2 : SRR Funnel Plots (as Lead Surgeon) - Knees

Standardised Revision Ratio Funnel Plot Representation: This section illustrates your Standardised Revision Ratio in the form of a funnel plot, based on the most recent ten years' of data. This is an alternative method of displaying the values shown within the main report for this indicator, and includes plots for all other surgeons.

Knee all - Last Five years (from 987 linkable primary procedures)



Knee all - Last Ten years (from 1481 linkable primary procedures)

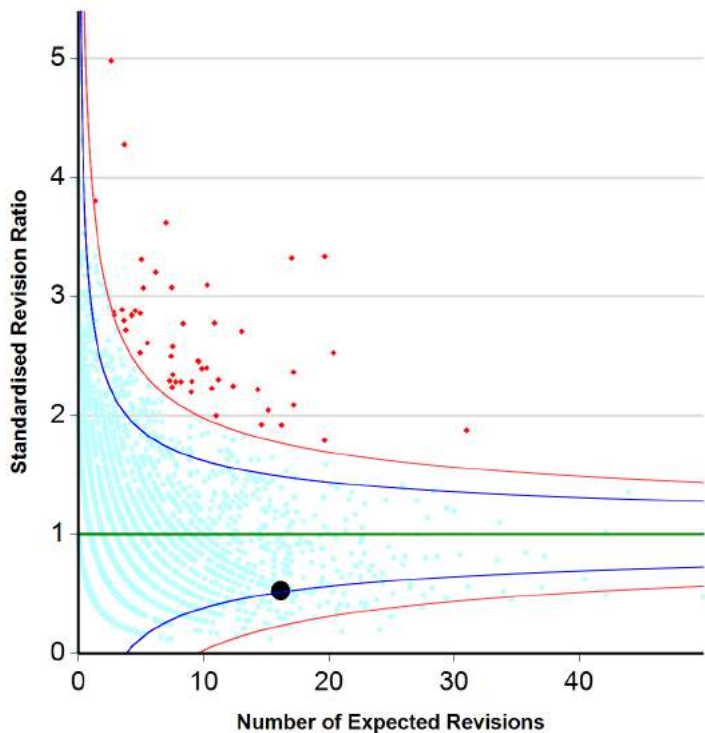


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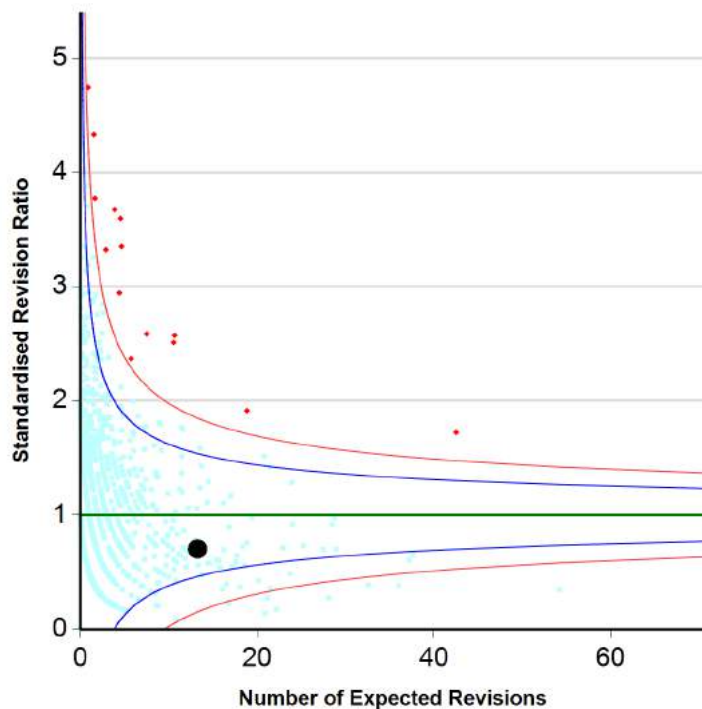
Appendix 2 : SRR Funnel Plots (as Lead Surgeon) - Knees

Standardised Revision Ratio Funnel Plot Representation: This section illustrates your Standardised Revision Ratio in the form of a funnel plot, based on the most recent ten years' of data. This is an alternative method of displaying the values shown within the main report for this indicator, and includes plots for all other surgeons.

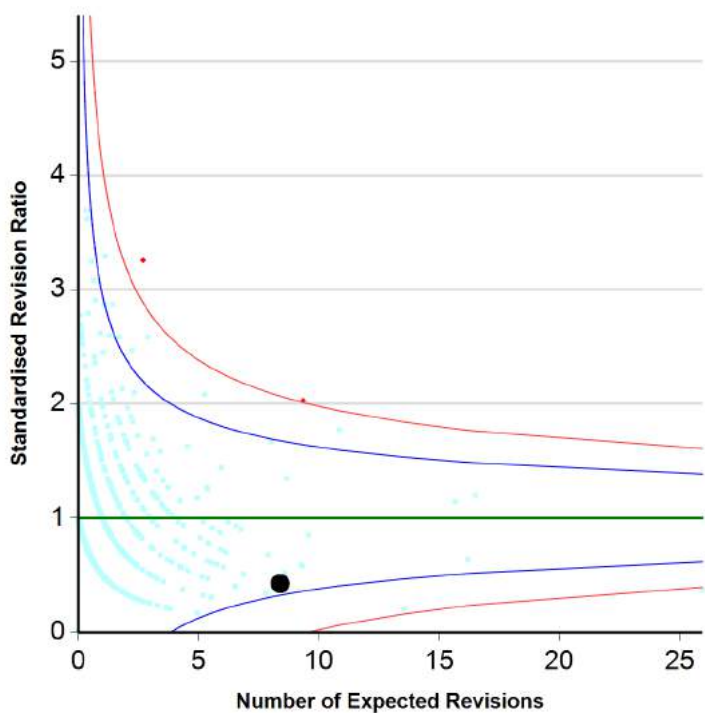
Total Knee replacements (from 1037 linkable primary procedures)



Unicondylar Knee procedures (from 343 linkable primary procedures)



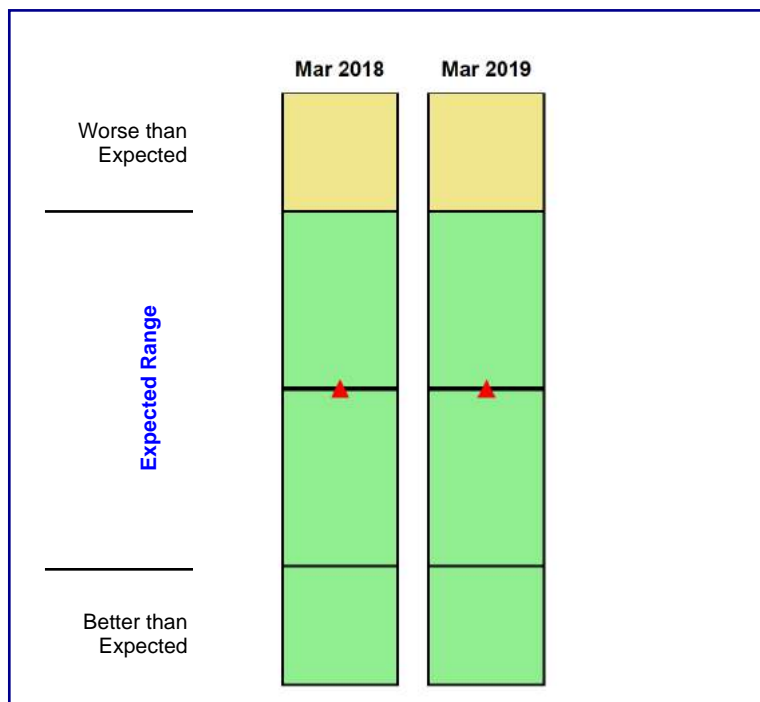
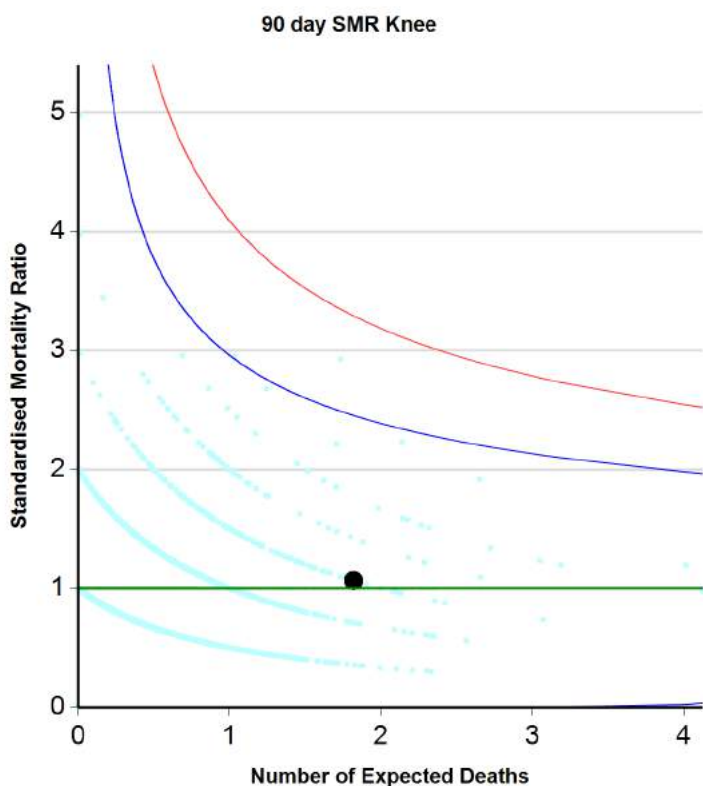
Patello-femoral Knee procedures (from 101 linkable primary procedures)



■ Data — Upper 99.8% — Upper 95% — Lower 95% — Lower 99.8% ◆ Outlier ● Mar 2019

Appendix 3 : 90 day SMR - Knees

Standardised Mortality Ratio Funnel Plot Representation: This section illustrates your Standardised Mortality Ratio (SMR) in the form of a funnel plot, based on the most recent five years' of data. It shows the SMR for mortality events occurring within 90 days of the primary procedure. This is an alternative method of displaying the values shown within the main report for this indicator and includes plots for all other surgeons.



■ Data ■ Upper 99.8% ■ Upper 95% ■ Lower 95% ■ Lower 99.8% ◆ Outlier ● Mar 2019