Consultant Level Report for:

Sean Thomas O'Leary
GMC Number: 3328004
NJR Number: 1248

For the Period to 31 March 2020

Contents

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 subject to data protection legislation and local governance permissions. Please note that some tables contain record level data and the identities of third party surgeons and so care should be taken when sharing or publishing.

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.

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 2019 – 31 Mar 2020

Organisation Type	Unit	Hip	Knee	Ankle	Elbow	Shoulder	Total	% of activity
Independent Sector	Circle Reading	0	41	0	0	0	41	41%
NHS	Royal Berkshire Hospital	1	57	0	0	0	58	59%
Total		**1**	**98**	**0**	**0**	**0**	**99**	

36 month activity: for the period 1 Apr 2017 – 31 Mar 2020

Organisation Type	Unit	Hip	Knee	Ankle	Elbow	Shoulder	Total	% of activity
Independent Sector	Circle Reading	0	117	0	0	0	117	44%
NHS	Royal Berkshire Hospital	1	150	0	0	0	151	56%
Total		**1**	**267**	**0**	**0**	**0**	**268**	

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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 2019 – 31 Mar 2020.
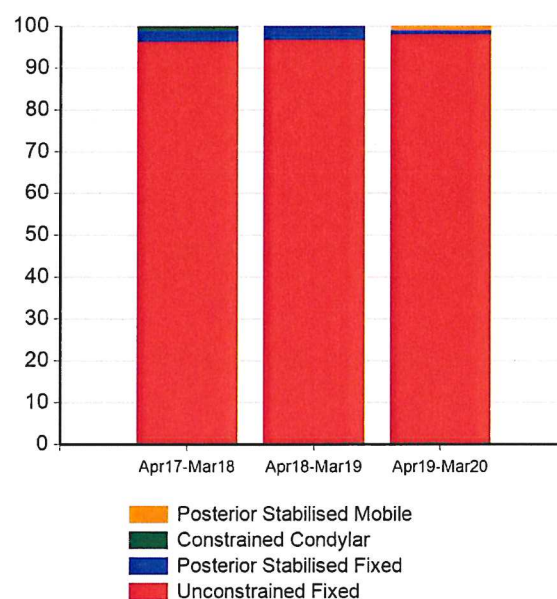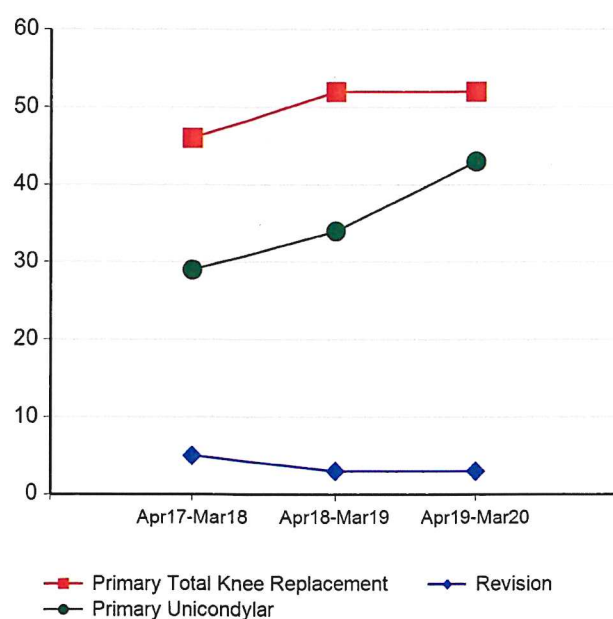
NJR Consent:

Measure	NJR Consent
National Average Rate	94.37%
This surgeon's rate	84.85%

Unit level measures where this surgeon has activity:

Organisation Type	Unit	NJR Consent
Independent Sector	Circle Reading	92.68%
NHS	Royal Berkshire Hospital	79.31%

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Knees – Recorded Activity

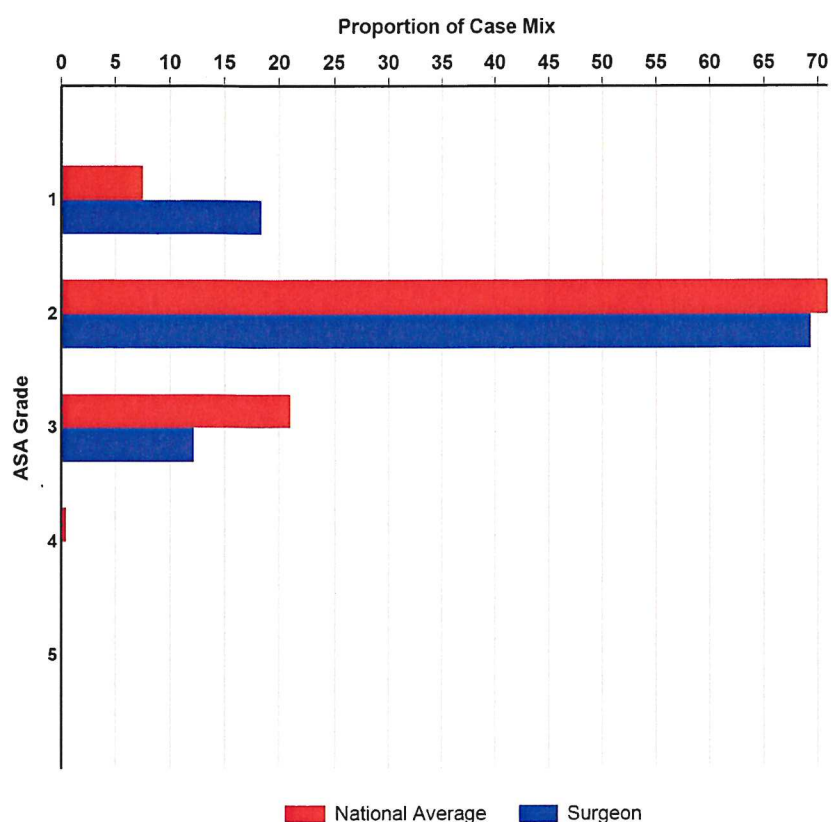In this Section : Volume, procedure type undertaken by the surgeon over a 36 month period, showing year on year trend.

Procedure Type	Apr17-Mar18	Apr18-Mar19	Apr19-Mar20
Primary Total Knee Replacement	46	52	52
Primary Unicondylar	29	34	43
Revision	5	3	3
Total	**80**	**89**	**98**

Knee Constraint	Apr17-Mar18	Apr18-Mar19	Apr19-Mar20
Constrained Condylar	1	0	0
Posterior Stabilised Fixed	2	3	1
Posterior Stabilised Mobile	0	0	1
Unconstrained Fixed	76	86	96
Total	**79**	**89**	**98**

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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 2019 – 31 Mar 2020.
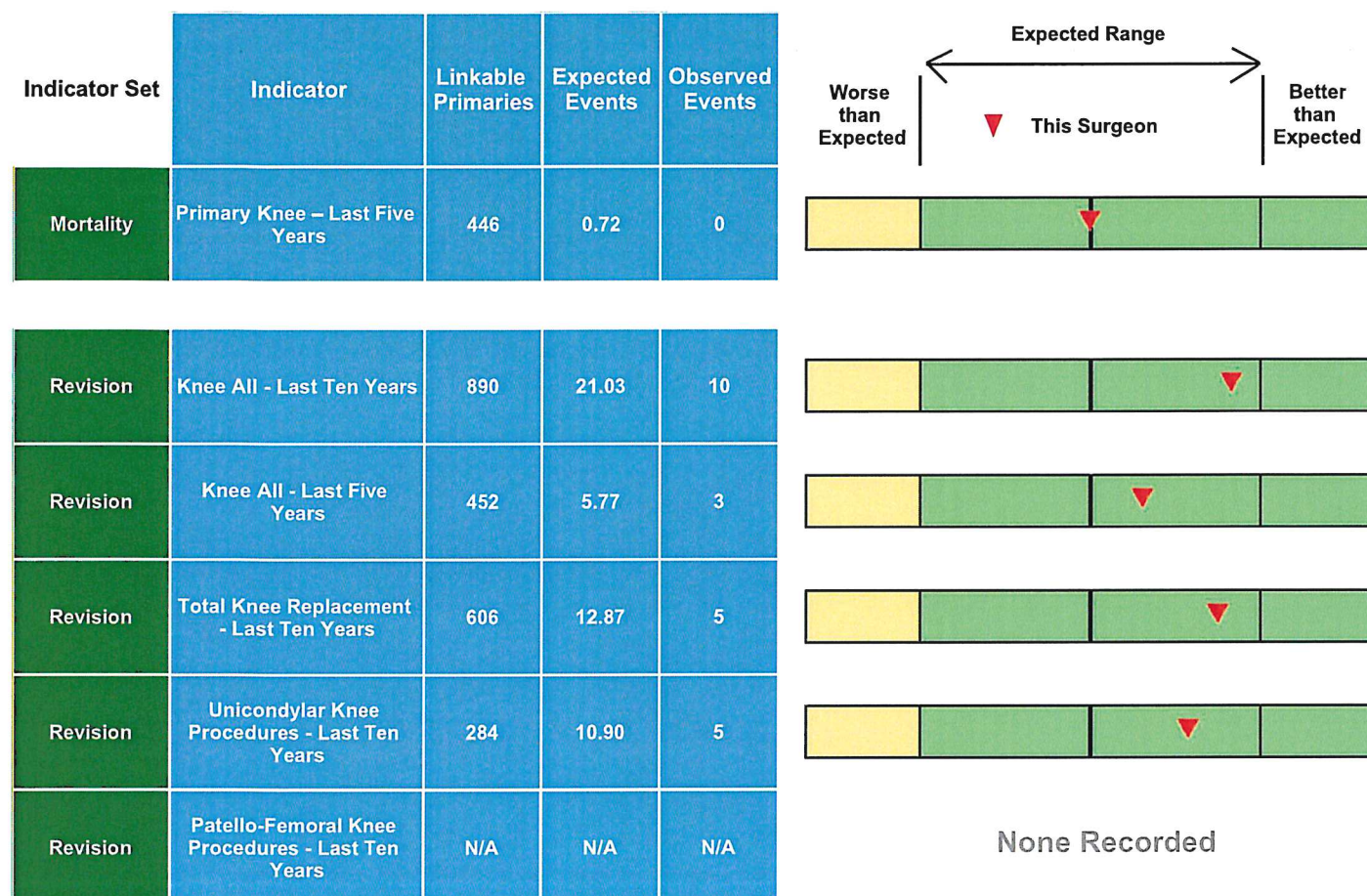
ASA Grade

Proportion of Case Mix

National Average	Surgeon

BMI

	Patient Median BMI
National	30.00
Surgeon	28.50

AGE

	Patient Mean Age
National	69.05
Surgeon	68.96

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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.

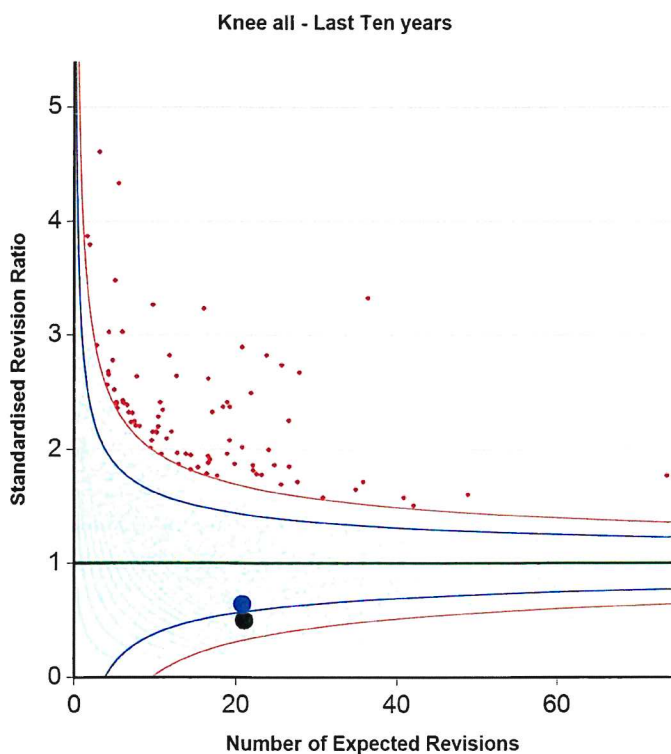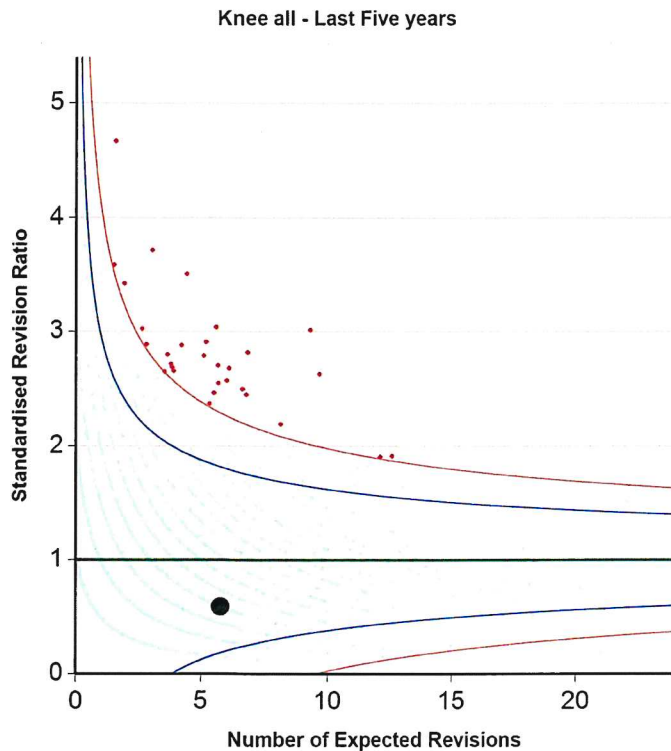| Indicator Set	Indicator	Linkable Primaries	Expected Events	Observed Events	Chart
Mortality	Primary Knee – Last Five Years	446	0.72	0	This Surgeon within Expected Range
Revision	Knee All - Last Ten Years	890	21.03	10	This Surgeon within Expected Range
Revision	Knee All - Last Five Years	452	5.77	3	This Surgeon within Expected Range
Revision	Total Knee Replacement - Last Ten Years	606	12.87	5	This Surgeon within Expected Range
Revision	Unicondylar Knee Procedures - Last Ten Years	284	10.90	5	This Surgeon within Expected Range
Revision	Patello-Femoral Knee Procedures - Last Ten Years	N/A	N/A	N/A	None Recorded

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.

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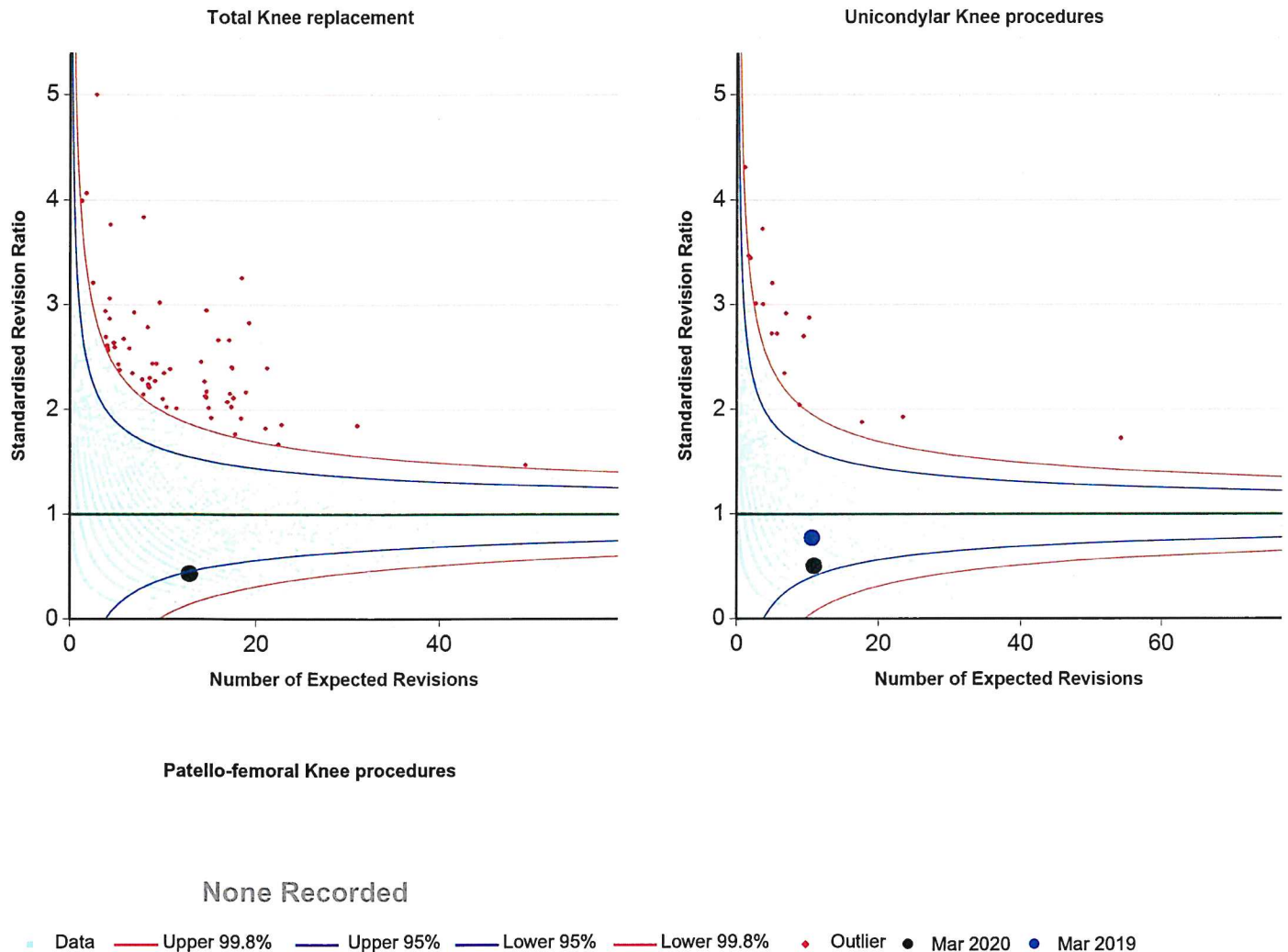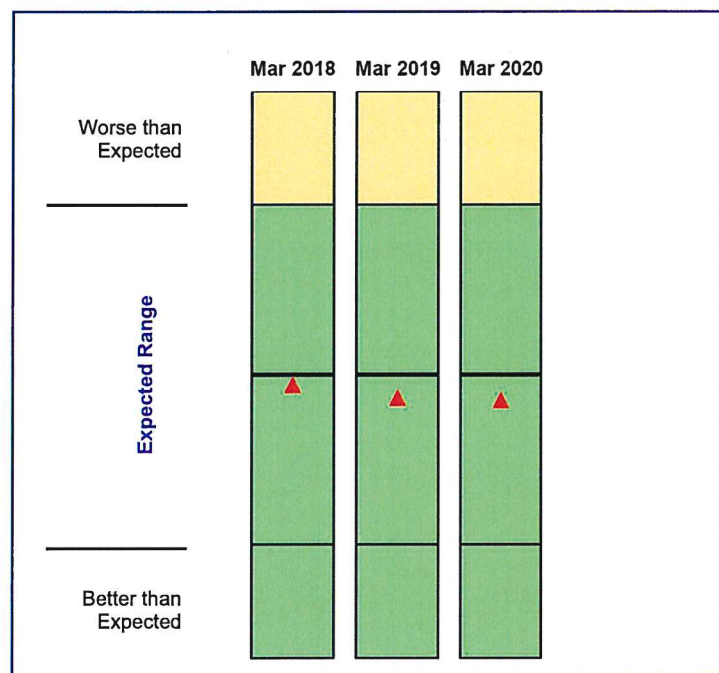## Appendix 1 : SRR Funnel Plots (as Consultant in Charge) - Knees

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

	Mar 2018	Mar 2019	Mar 2020
Worse than Expected			
Expected Range	▲	▲	▲
Better than Expected			

| Data | —— Upper 99.8% | —— Upper 95% | —— Lower 95% | —— Lower 99.8% | ◆ Outlier | ● Mar 2020 | ● Mar 2019 |

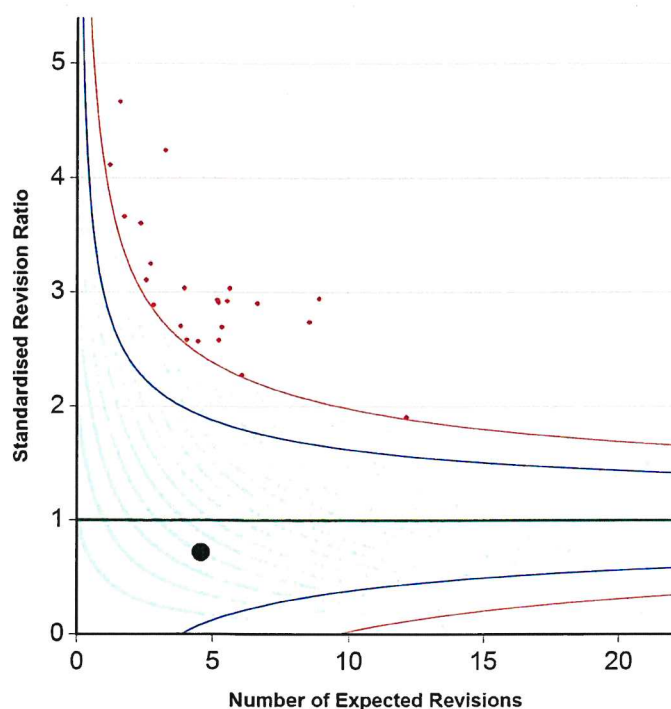## Appendix 1 : SRR Funnel Plots (as Consultant in Charge) - Knees

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Total Knee replacement

Unicondylar Knee procedures

Patello-femoral Knee procedures

None Recorded

Data — Upper 99.8% — Upper 95% — Lower 95% — Lower 99.8% ◆ Outlier ● Mar 2020 ● Mar 2019

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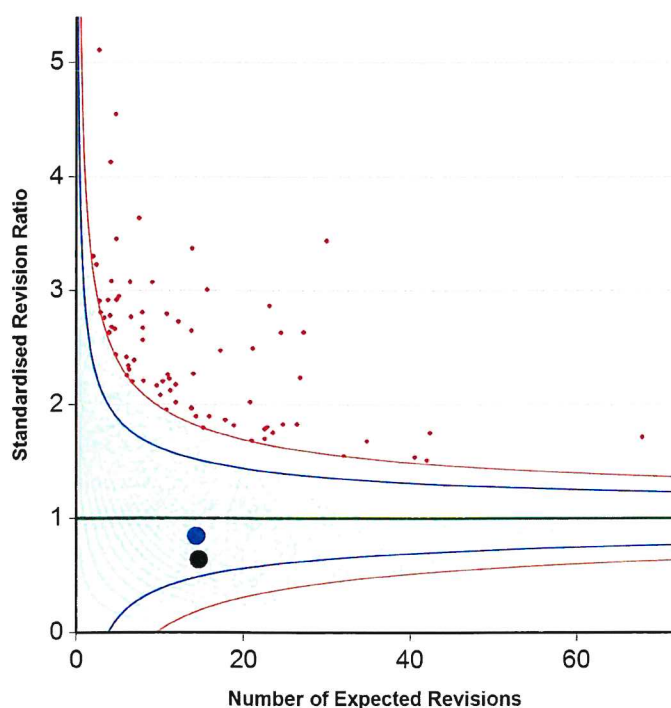**Confidential**
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Appendix 2 : SRR Funnel Plots (as Lead Surgeon) - Knees

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.

Knee all - Last Five years (from 354 linkable primary procedures)

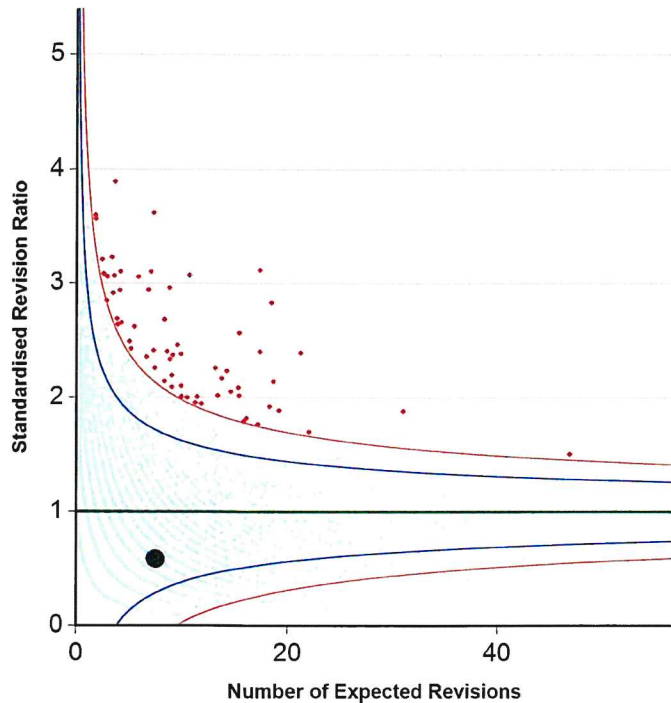**Knee all - Last Ten years (from 637 linkable primary procedures)**

| Data | —— Upper 99.8% | —— Upper 95% | —— Lower 95% | —— Lower 99.8% | ◆ Outlier | ● Mar 2020 | ● Mar 2019 |

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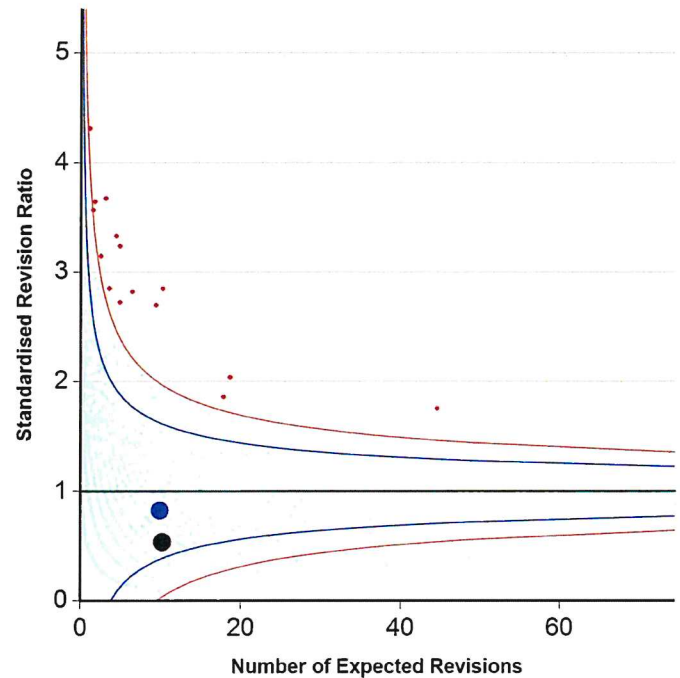©2020 Northgate Public Services Limited

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 383 linkable primary procedures)

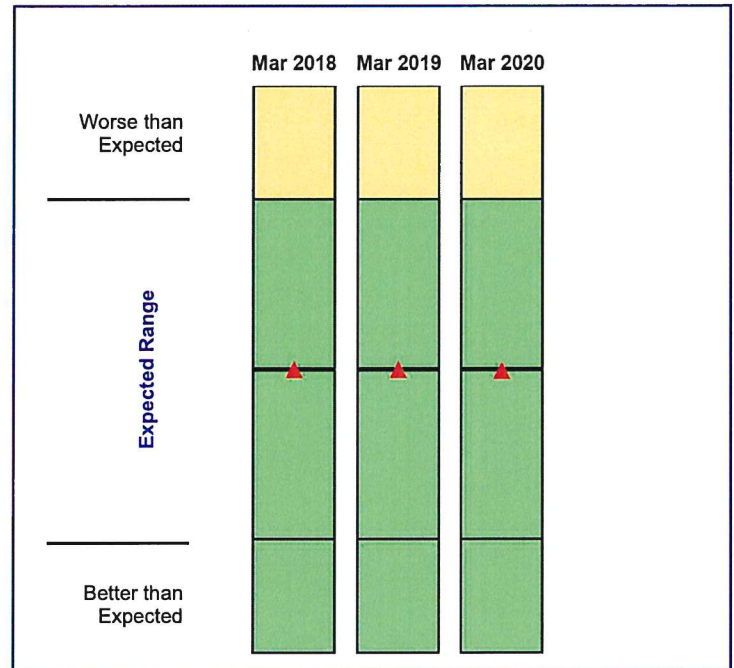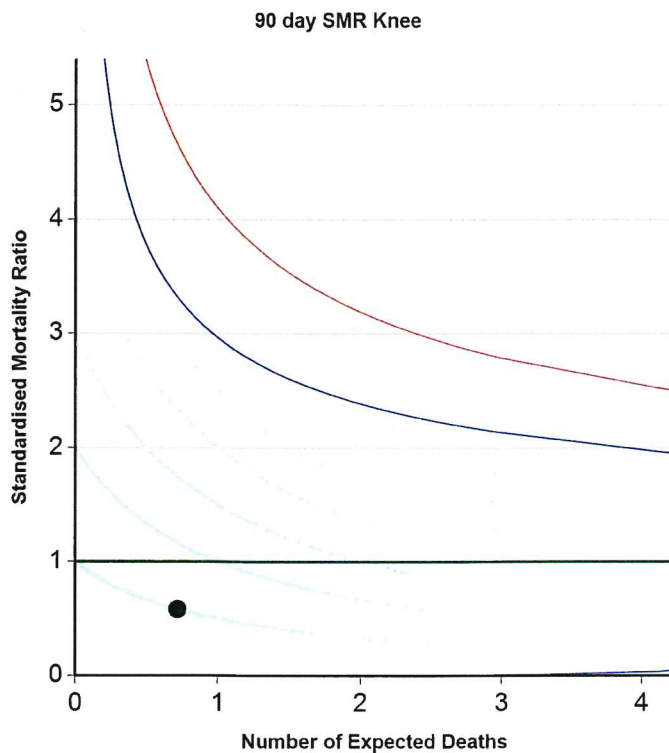**Unicondylar Knee procedures (from 254 linkable primary procedures)**

Patello-femoral Knee procedures

None Recorded

Data ——— Upper 99.8% ——— Upper 95% ——— Lower 95% ——— Lower 99.8% • Outlier ● Mar 2020 ● Mar 2019

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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.

90 day SMR Knee

Data —— Upper 99.8% —— Upper 95% —— Lower 95% —— Lower 99.8% ◆ Outlier ● Mar 2020

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