

BRITISH SPINE REGISTRY-Overview

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Conflict of Interest

Nothing to declare

- 
- * What is there in British Spine Registry?
 - * Who and how is it running?
 - * What data is uploaded and how?
 - * What data is available and how can it be utilised?
 - * How did it grow over the last decade?
 - * What can be improved?
 - * Discussion

Background

- * Established in 2012
- * Web based database
- * Set up & owned by British Association for Spine Surgeons (BASS)
- * AIM:
 - * To improve patient safety
 - * Monitor the outcome of spinal surgery in UK

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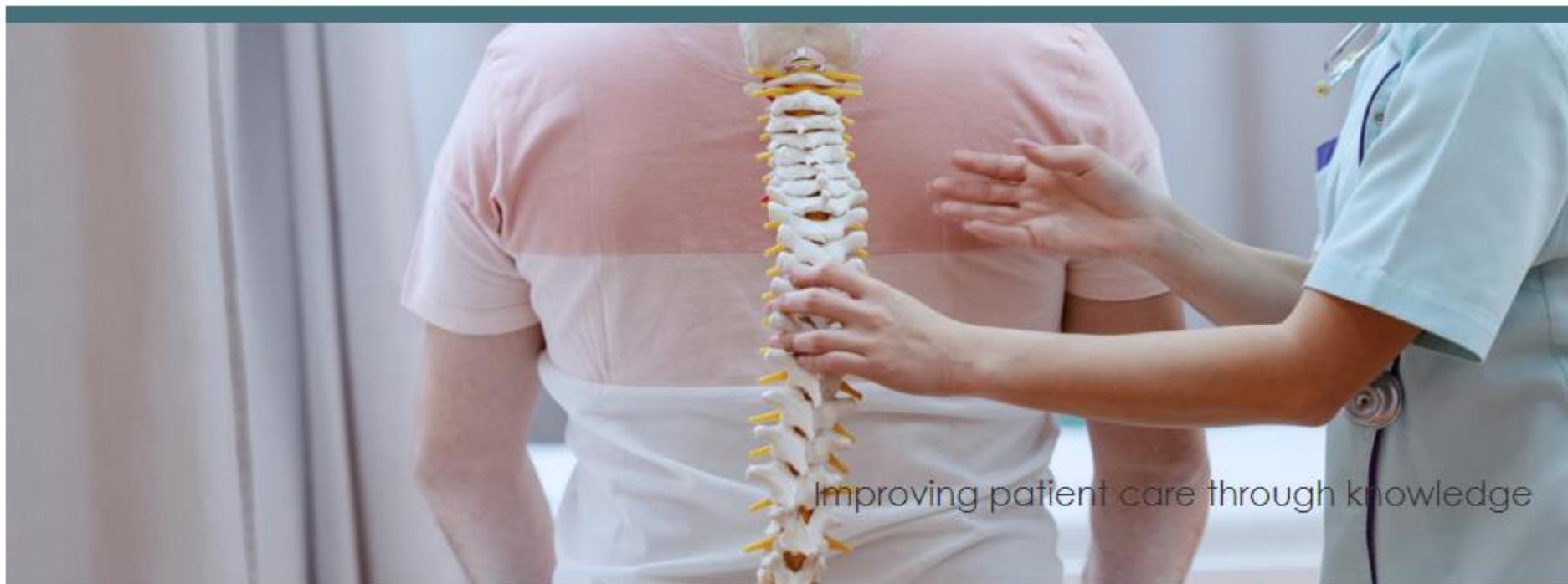
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Improving patient care through knowledge



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DOWNLOADS

Downloads



The BSR Caldicott Guardian Approval Pack

Documentation appropriate to get the British Spine Registry approved for use at your local NHS Trust. Please send this pack to your Caldicott Guardian.

[BSR IG Pack.zip](#)

Compressed archive in ZIP format [2.2 MB]



The BSR User Guide

Getting started tips and software guidance for new users.

[Registry User Guide – BSR – 14.02.17.pdf](#)

Adobe Acrobat document [1.4 MB]



The BSR Patient User Privacy Notice

All BSR users agree to abide by the registry Usage Policy.

[British Spine Registry Patient User Priv\[...\]](#)

Adobe Acrobat document [104.6 KB]



The BSR Surgeon User Privacy Notice

All BSR users agree to abide by the registry Usage Policy.

[British Spine Registry Surgeon User Priv\[...\]](#)

Adobe Acrobat document [100.5 KB]



The BSR Data Request Form

Need to request data for research? Complete this form.

[4. Data Request Form – BSR v2 2019.pdf](#)

Adobe Acrobat document [1.5 MB]

› Tutorials

Contact us

You can reach us on:

customer.support@amplitude-clinical.com

You can also use our contact form.

Usage data

The BSR now has:

3415 users

2202 delegates

323451 pathways

301911 patients

Surgeon Dashboard

British Spine Registry

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My Dashboard



 WORKLIST
2 ITEMS FOR 10 MAR 2023 - 10 MAR 2023

 TASKS
342 CLINICIAN 253 PATIENT

 ADD PATIENT

 FIND PATIENT

WORKLIST ◀ 10 Mar 2023 - 10 Mar 2023 ▶

ADMISSIONS LIST (2)

MY RECENTLY VIEWED (10)

Patient	Pathway	C	P	
 BSR0187608, Anonymous	Spinal (Cervicothoracic Degenerative) Pathway (BSR)	4	2	<input checked="" type="checkbox"/>
 MCAULEY, Janet	<i>Pathway sealed, click to break seal</i>  KHATRI, Manoj			<input checked="" type="checkbox"/>

Report

British Spine Registry

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Reports Dashboard



 REPORT WRITER

 INSTANT REPORTS

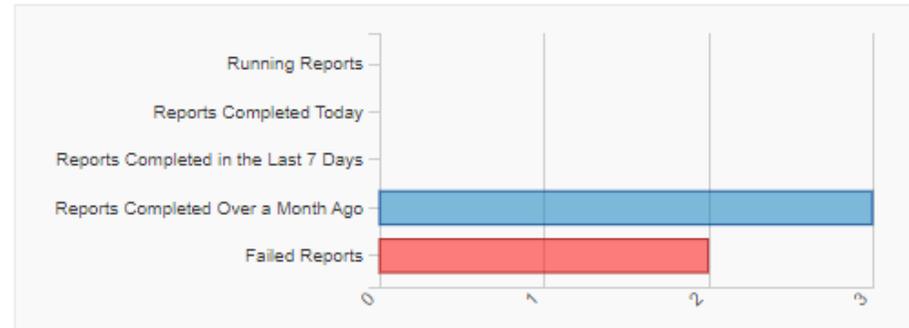
 FRIENDS AND FAMILY

Available Add-Ons

 FUNNEL PLOT

 SCORE COMPARATOR

 FUNNEL PLOT BY UNIT



 Create a New Report

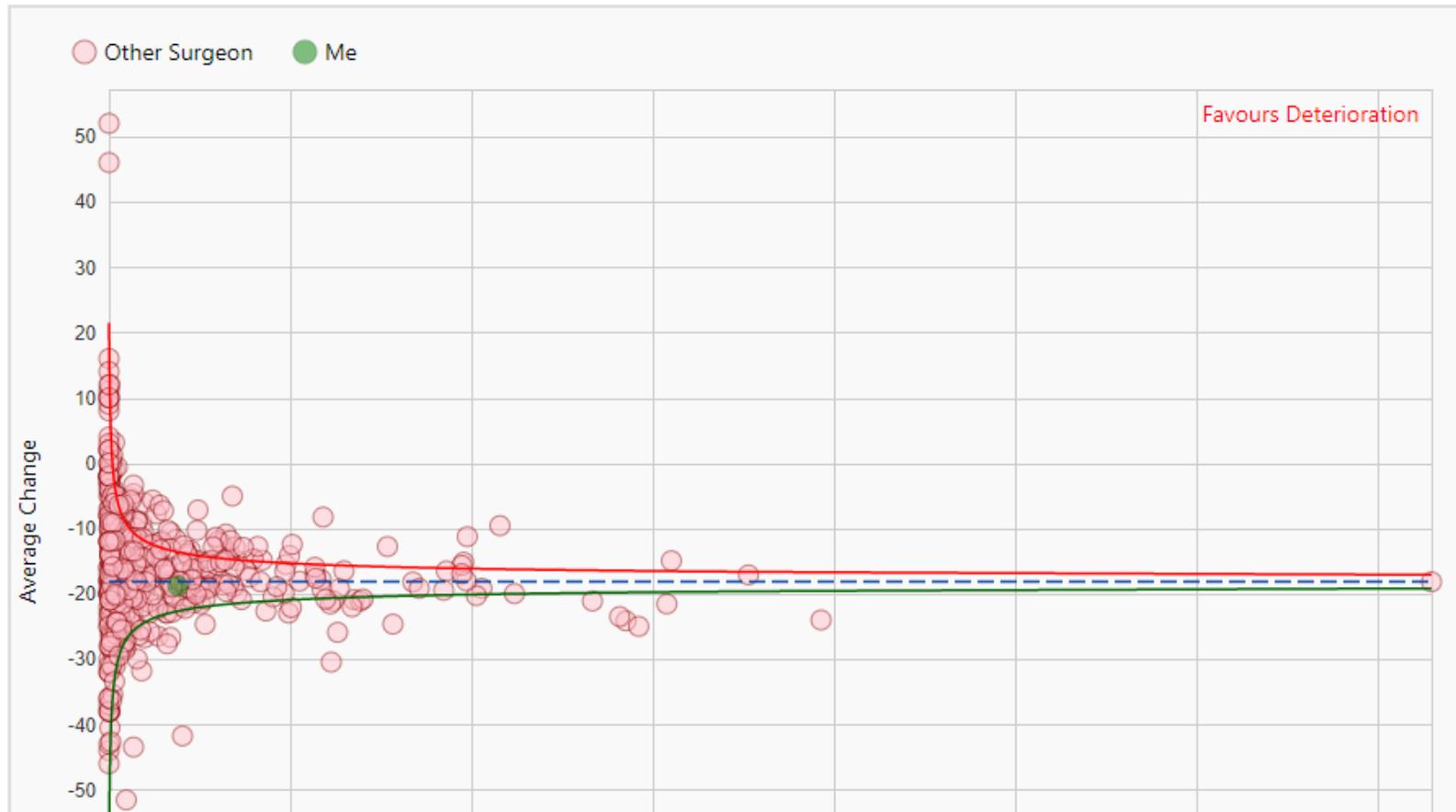
AVAILABLE REPORTS | MY RUNNING REPORTS (0) | SCHEDULED REPORTS (0) | COMPLETED REPORTS (5)

MY REPORT TEMPLATES (1) | PUBLIC REPORT TEMPLATES (32) | IN-BUILT REPORTS (1) | AD-HOC REPORTS (3)



Funnel PLOT

This is a comparison of the baseline ODI against the same score at 6 weeks for any pathway which contains a primary posterior discectomy / decompression / laminectomy procedure.



Spinal Pathways in BSR

British Spine Registry

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My Dashboard



 **WORKLIST**
2 ITEMS FOR 10 MAR 2023 - 10 MAR 2023

 **TASKS**
342 CLINICIAN 253 PATIENT

 **ADD PATIENT**

 **FIND PATIENT**

- Include All
- Spinal (Cervicothoracic Degenerative) Pathway (BSR)
- Spinal (Deformity) Pathway (BSR)
- Spinal (Infection) Pathway (BSR)
- Spinal (Intradural) Pathway (BSR)
- Spinal (Lumbar Degenerative) Pathway (BSR)
- Spinal (Trauma) Pathway (BSR)
- Spinal (Tumour) Pathway (BSR)

Include All ▾

Serial Number

Pathway Owner

My Patients Only ▾

Search

Patient Dashboard

British Spine Registry

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CONSENT STATUS: Consent Given

 CLINICAL RECORD

22 ITEMS (11 OUTSTANDING)

 CLINICAL SCORES

OUTSTANDING SCORES DUE



PATIENT DETAIL



PATHWAY DETAIL



LIST HISTORY



SEND MESSAGE

 PATIENT PORTAL

 ATTACHMENTS

 GENERATE DOCUMENT

SPINAL (LUMBAR DEGENERATIVE) PATHWAY (BSR) ▾

Clinical Assessment

Operative Procedure ▾

Post-Op Complications

Outcome Scores ▾

Other ▾

Ad Hoc Task

Lock All

Unlock All

Patient's Initial Tasks (Generated Automatically on Creating Pathway) (5 items)

Patient's Post-Op Tasks (Generated on Completing Procedure) (4 items)

☰ 06 Aug 2022 **Procedure**
Primary Posterior Stabilisation



☰ 06 Aug 2022 **Procedure**
Primary Discectomy / Decompression / Laminectomy, Posterior Interbody Fusion



☰ 06 Aug 2022 **Procedure Description**

☰ 08 Mar 2023 **Patient Discharge from Treatment**

PATIENT HISTORY (1 items)

Patient Reported Outcome Measure (PROM)

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CONSENT STATUS: Consent Given

 **CLINICAL RECORD**
22 ITEMS (11 OUTSTANDING)

 **CLINICAL SCORES**
OUTSTANDING SCORES DUE

 **PATIENT DETAIL**

 **PATHWAY DETAIL**

 **LIST HISTORY**

 **SEND MESSAGE**

 PATIENT PORTAL

 ATTACHMENTS

 GENERATE DOCUMENT

SPINAL (LUMBAR DEGENERATIVE) PATHWAY (BSR) ▾

Clinical Assessment

Operative Procedure ▾

Post-Op Complications

Outcome Scores ▾

Other ▾

Ad Hoc Task

Lock All

Unlock All

Patient's Initial Tasks (Generated Auto)

Patient's Post-Op Tasks (Generated Auto)

06 Aug 2022 **Procedure**
Primary Posterior Stabilisation

06 Aug 2022 **Procedure**
Primary Discectomy / Decompression

06 Aug 2022 **Procedure Description**

08 Mar 2023 **Patient Discharge**

PATIENT HISTORY (1 items)

- EQ-5D
- VAS (Back & Leg)
- ODI
- Back Pain Bothersome Score
- BPI (Short Form)
- COMI
- GSES
- Baseline PSAS
- PSAS
- DASS-21
- FABQ
- GAD-7
- JOA Cervical Myelopathy Evaluation Questionnaire
- mJOA
- MDI

Implant information

None

Sublaminar Wires

Pedicle Screws

Dynamic System

Other

Pedicle Screw Insertion Guidance

Free Hand

Image Intensifier Screening

Navigation

Robot

Other

Posterior Implant Details

Cage or PLIF

Stryker - OIC Cages



2nd Manufacturer

Add Implant

Pedicle Screw (MIS) Systems

Stryker - XIA



2nd Manufacturer

Add Implant

Data Input in registry

- *
 - * Creating a patient pathway– demographics
 - * Clinical Assessment, Operative Procedure, Complications
 - * Outcome Scores (PROM data)-Pre op/6weeks/6m/12months
 - * Paper form/Electronic form
 - * E-mail/Text reminder

Patient consent



British Spine Registry Consent Form

Helping to improve patient care through knowledge

Please tick to confirm that you have been given / read the 'BSR patient information leaflet'

Surname: _____

First Name: _____

Date of Birth: ___/___/_____

Postcode: _____

Email address:

Mobile number: _____

I CONSENT to:

- Personal details being recorded in the British Spine Registry.
- I understand information in the Registry will be used to look at the outcomes of treatment and may be used for research purposes and results will be published.

Process of Consenting

- * Paper consent form
- * Electronic consent form (Patient portal)
- * No Consent (Not recorded yet/refused)
 - * No activity in pathway— pathway gets deleted
 - * Any form completed by surgeon/patient– Pathway anonymised

MANAGEMENT

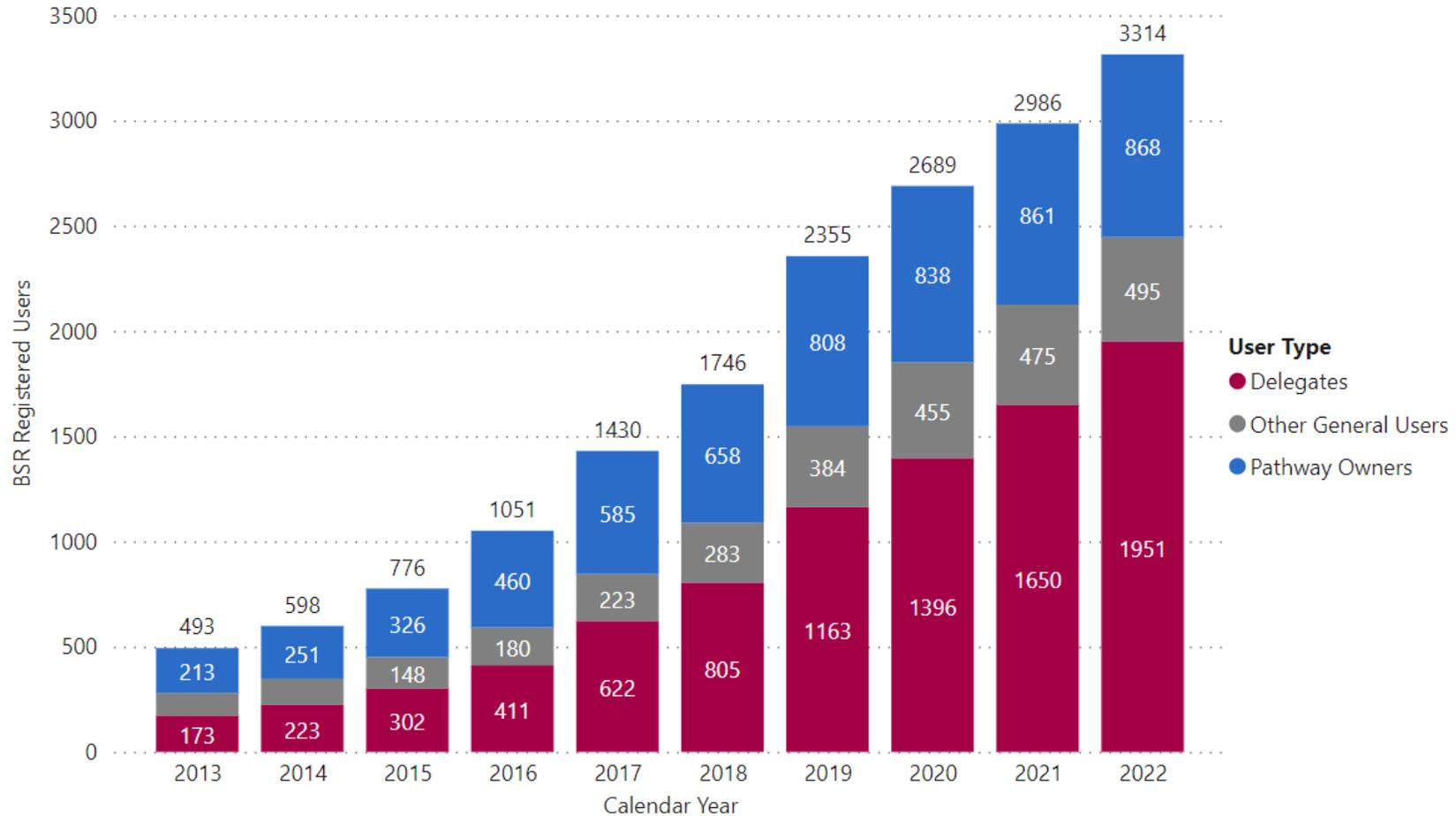
- * BSR is own and run by BASS (British Association for Spine Surgeons)
- * National Lead for BSR (BASS EC member)
 - * Neurosurgeon
 - * Orthopaedic Spinal surgeon
- * Technical support—Amplitude (Service level agreement)
- * Collaboration with NEC (Discussion stage)

British Spine Registry



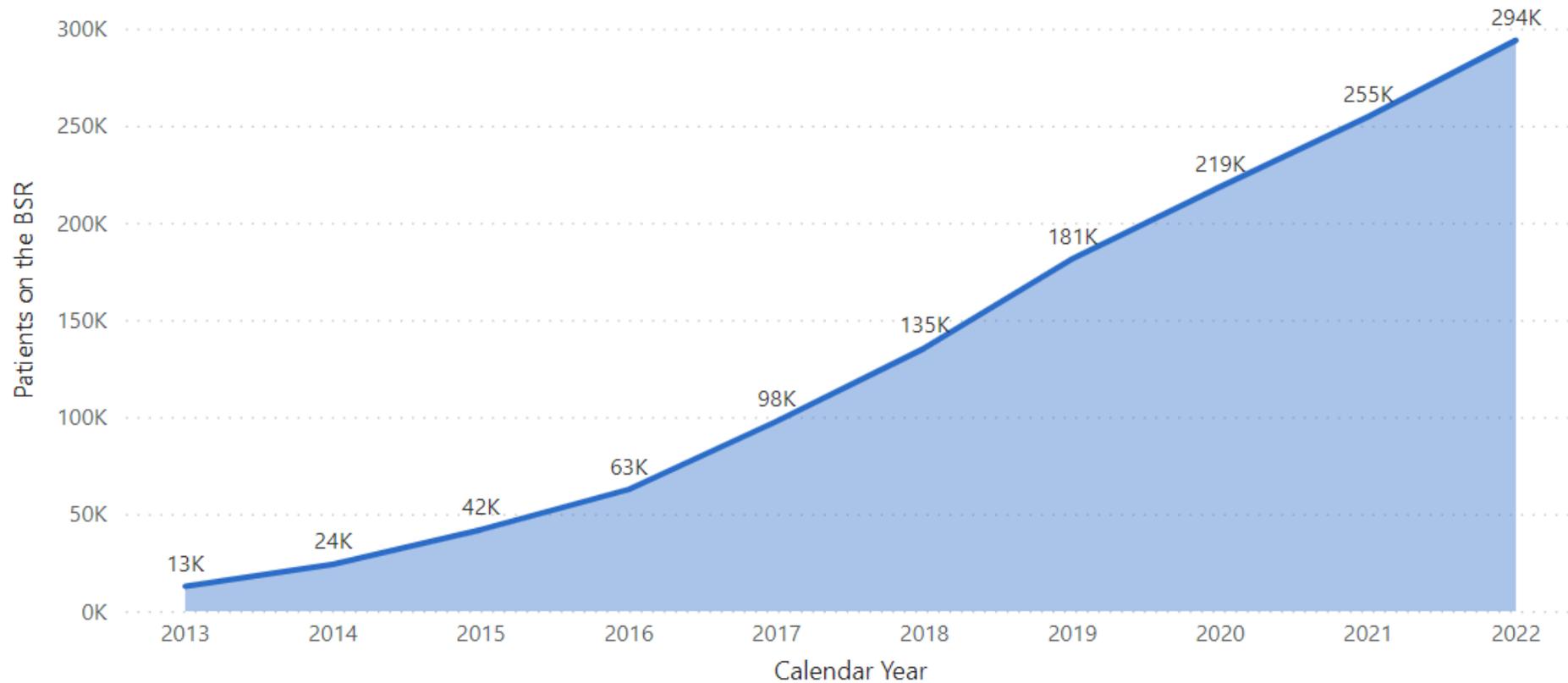
British Spine Registry-User

BSR User Uptake



British Spine Registry-- Patients

Patient Count Year-on-Year



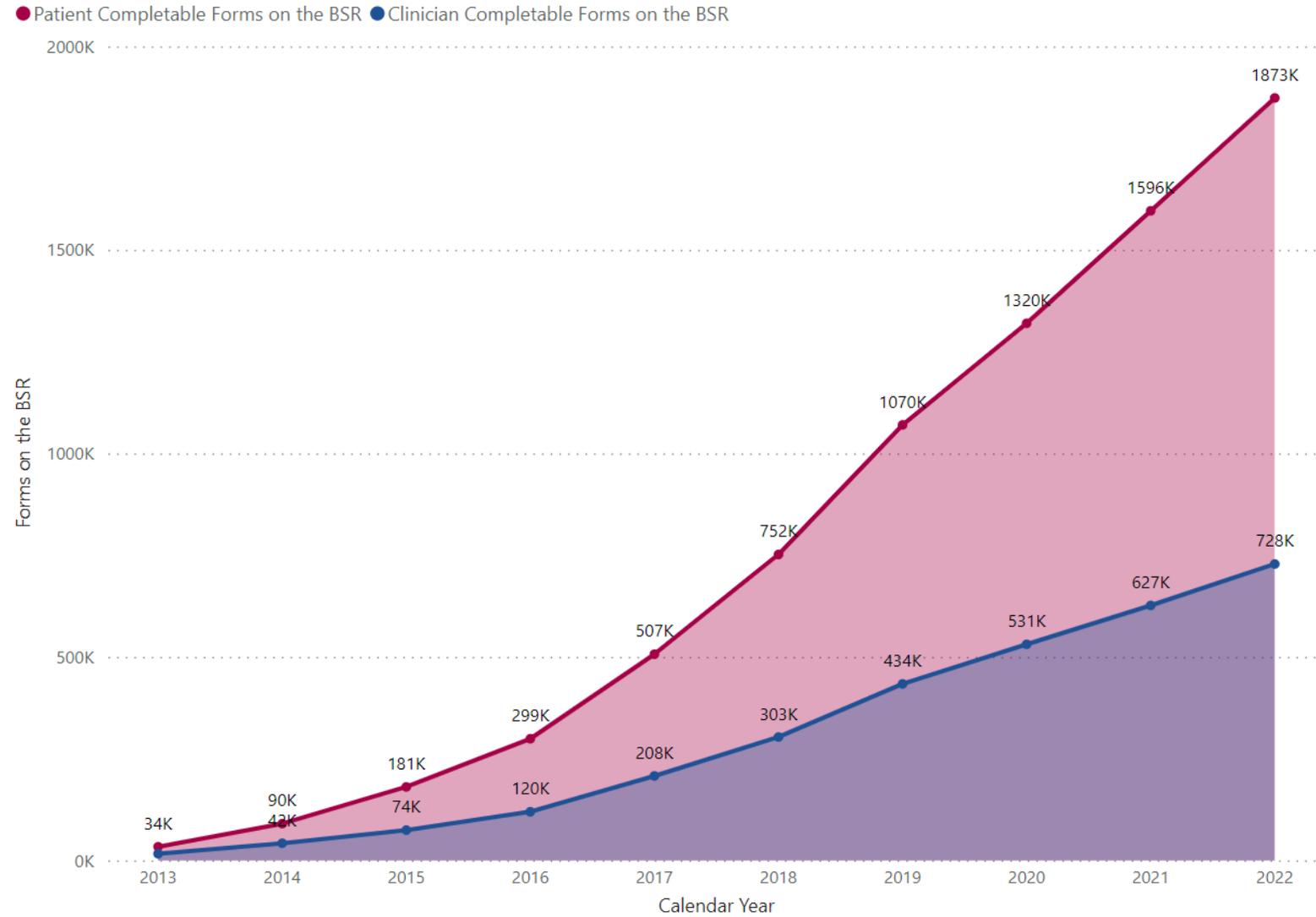
Patient Completable Forms on the BSR

Form Category	Total Completed
Assessment	88302
Assessment With Score	104504
Complication Record	5
Diagnosis Recorded	53108
Outcome Score	1531623
y. Friends and Family	95855
Total	1873397

Clinician Completable Forms on the BSR

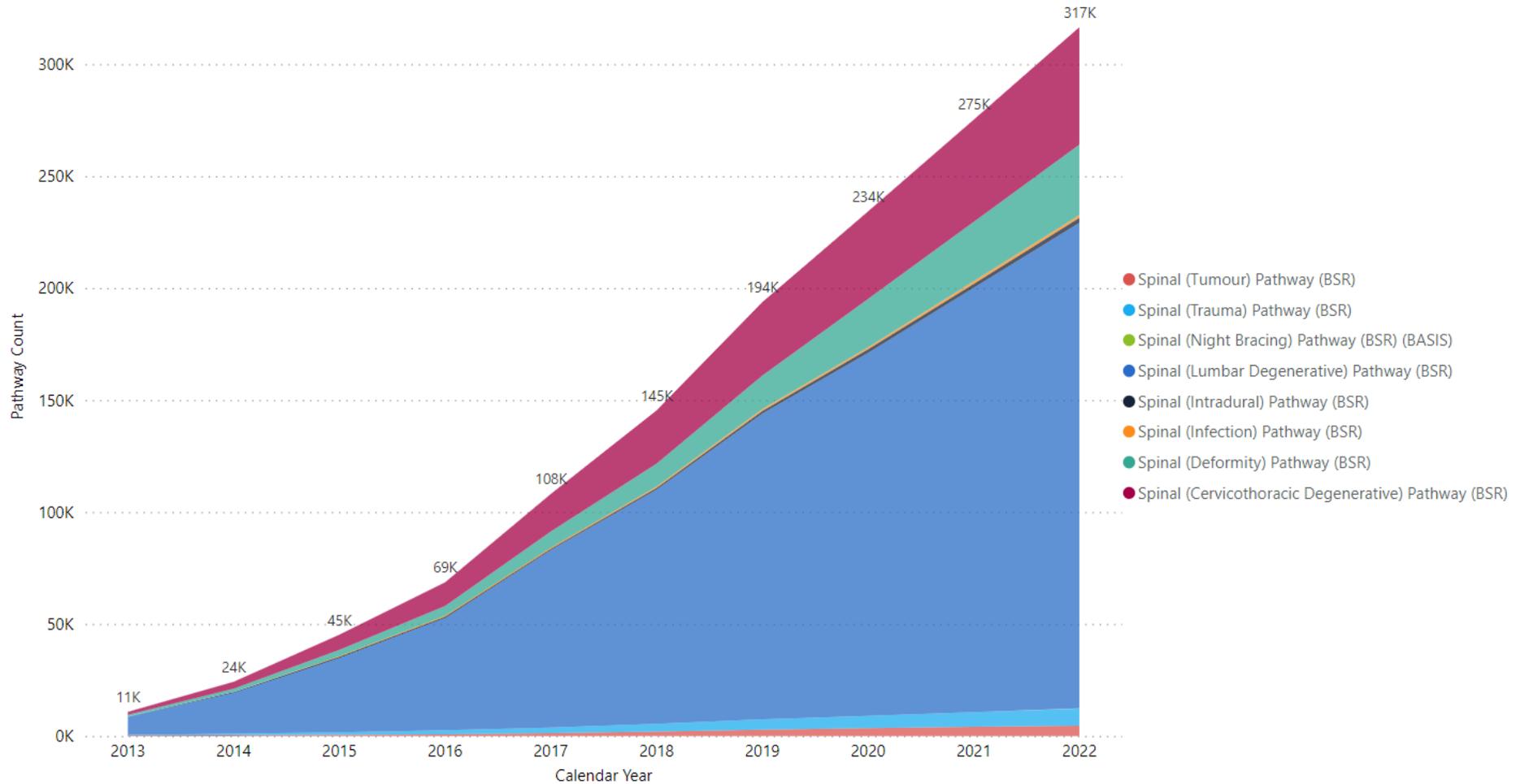
Form Category	Total Completed
Assessment	43452
Assessment With Score	167560
Classification	2
Complication Record	214232
Diagnosis Recorded	8337
End Point	2136
Non-operative Intervention	170
Notes	29408
Other	558
Procedure	210231
Review	52223
Treatment	8
Total	728317

Completed Forms on the BSR



Pathway Count

Pathway Count Year-on-Year by Type



BSR data usage

- * Individual Surgeon level
 - * Audit of outcome (individual & comparison)
 - * Appraisal & revalidation
- * National level
 - * Outcome of a procedure
 - * Commissioning of service
 - * GIRFT
- * Research
 - * National & International studies
- * Industry
 - * ODEP & BC
 - * Regulatory bodies

Scope to Improve

- * Compliance of PROM data
- * Quality and adequacy of clinical information
- * More detailed implant information
- * Utilisation of data for more audit and research
- * Start international collaboration

ODEP (Orthopaedic Device Evaluation Panel)

- * Well established for joint implants
- * Started in Spine– Cervical disc implant rating
- * Industry needs good quality data for implant outcomes
- * Spine registry can be a source

Implant data input

- * MDR– European regulation
- * MDOR– British regulation
 - * NEC – data input for each medical implant/device
- * Bar code scanning
 - * Can have granular level data



Thank you



Questions & Discussion