

Total Number of Users – 3878

2022 User % Increase – 7.3%

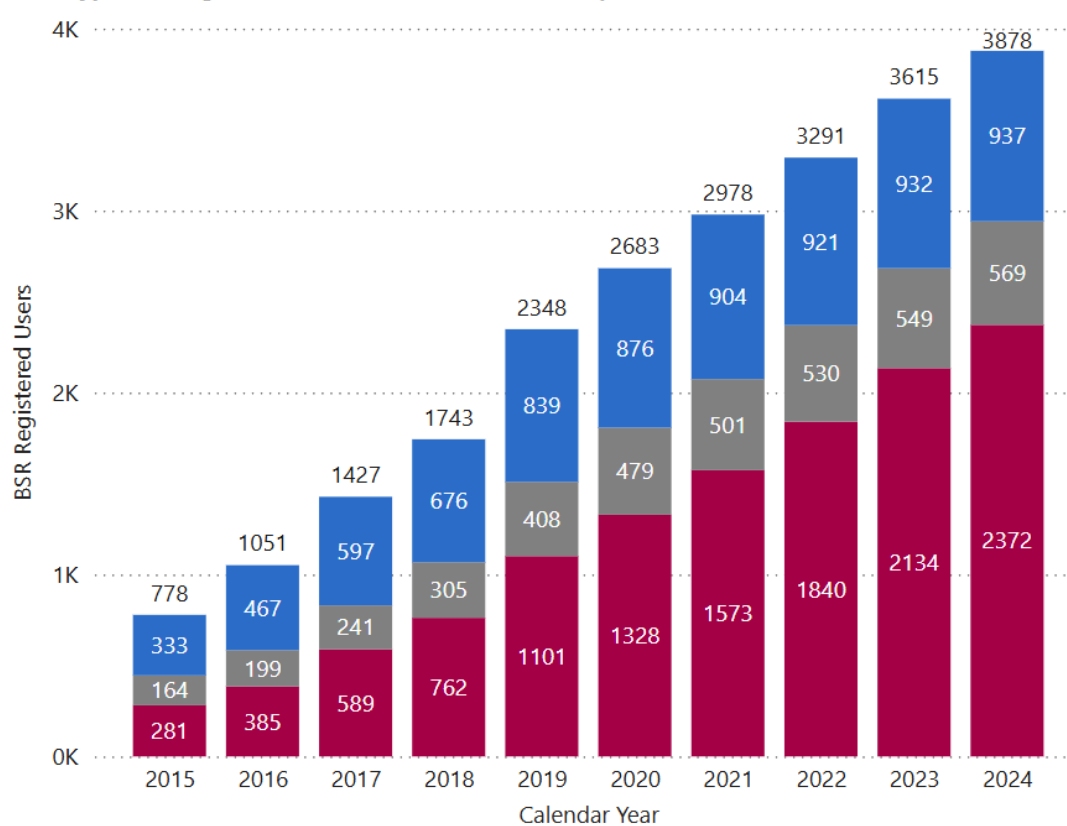
Active Pathway Owners – 548

Active Delegates – 971

*Active is defined as users that have logged into the BSR at least once in the past 2 years.*

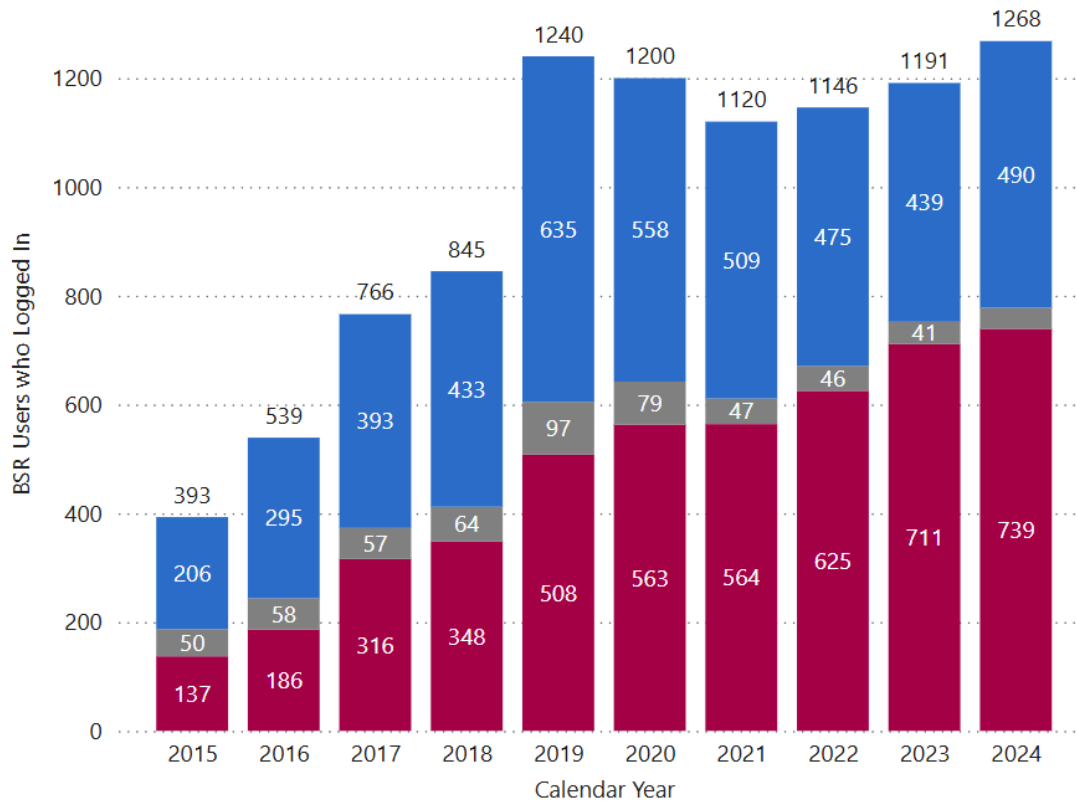
## Registered BSR Users

**User Type** ● Delegates ● Other General Users ● Pathway Owners



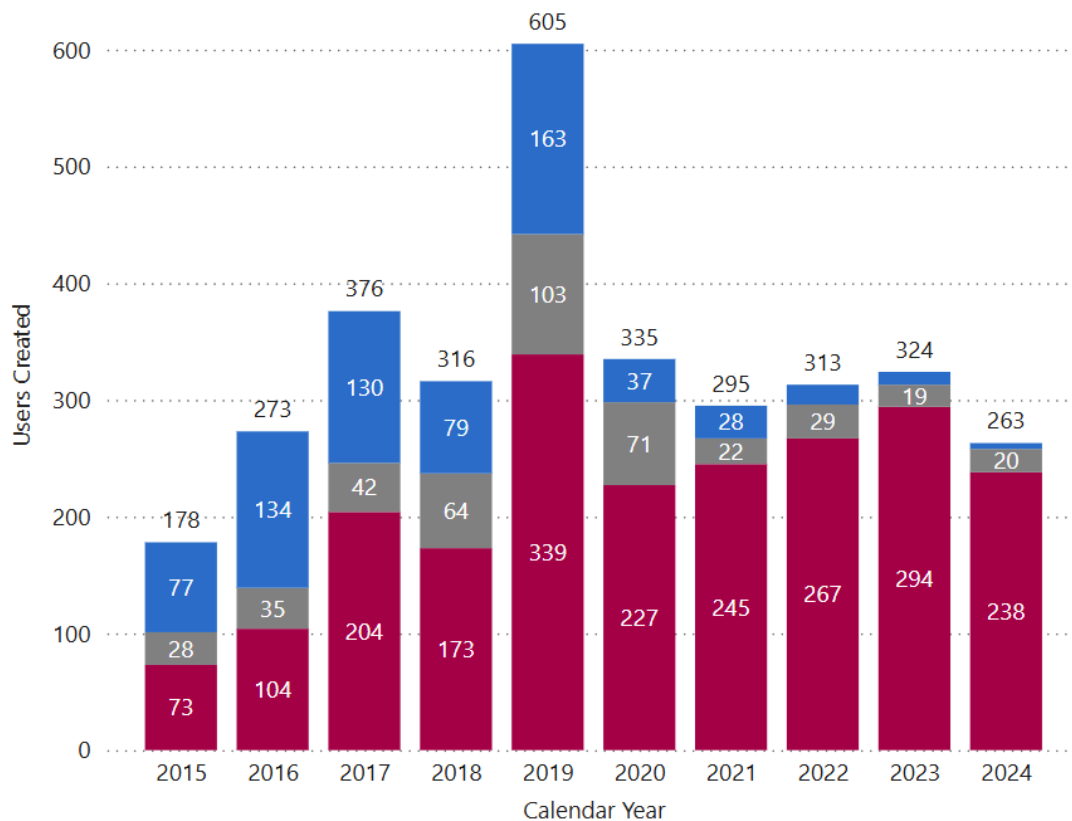
### Users Accessing the BSR per Year

**User Type** ● Delegates ● Other General Users ● Pathway Owners

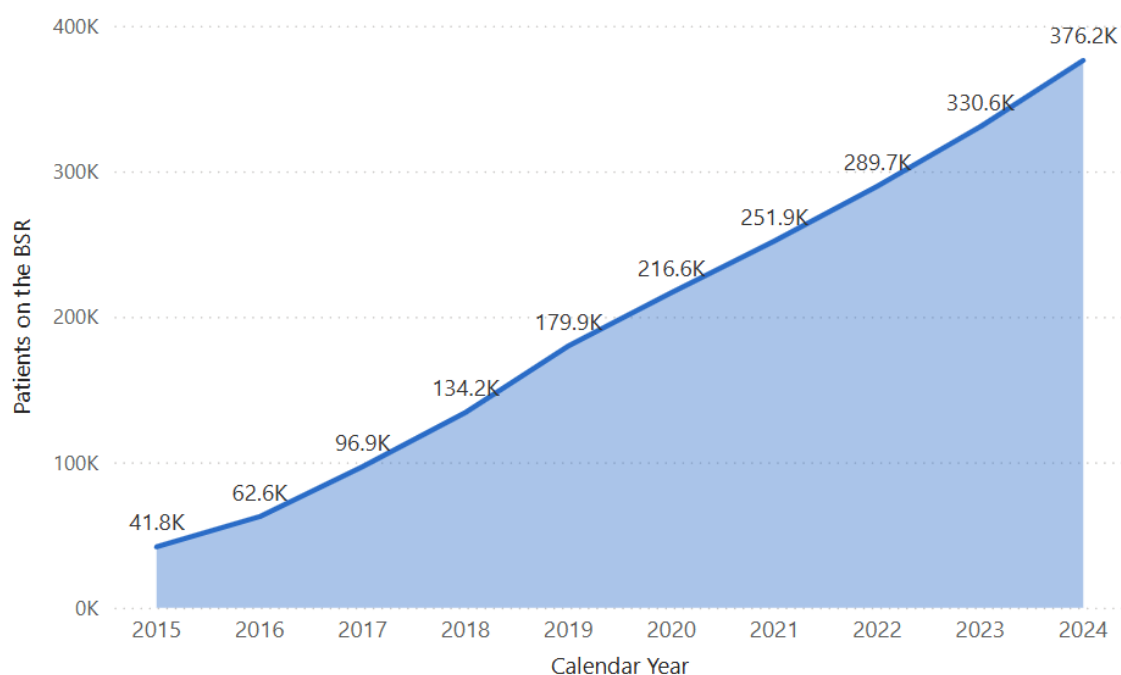


### Users Added per Year

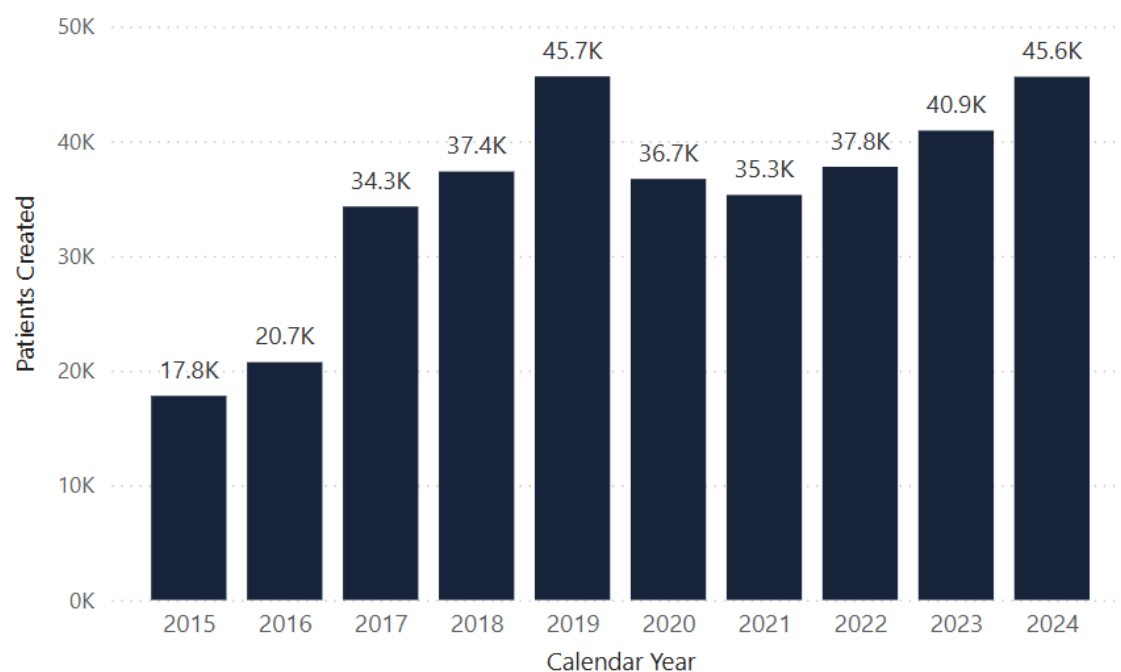
**User Type** ● Delegates ● Other General Users ● Pathway Owners



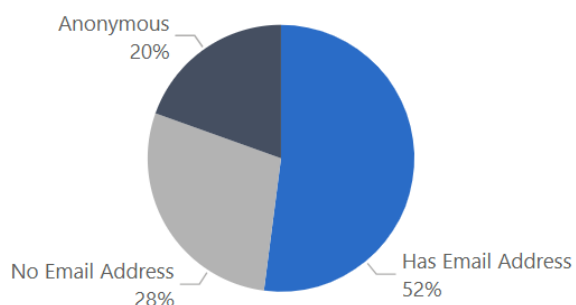
Patient Count Year-on-Year



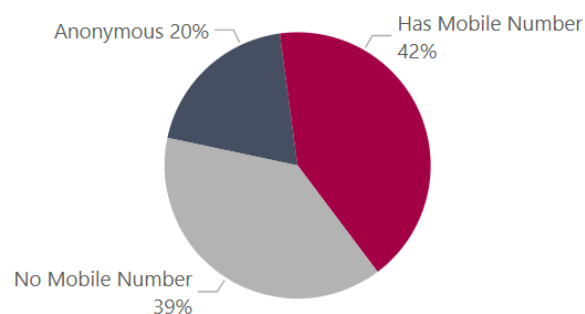
Patients Added to the BSR per Year



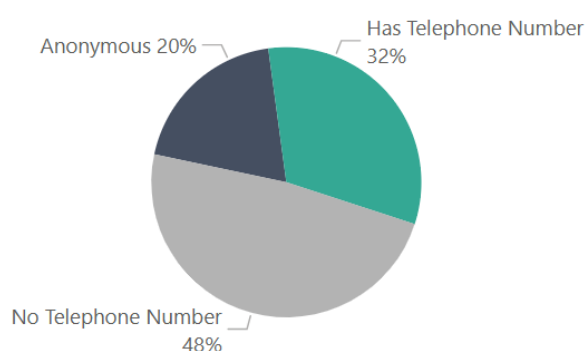
Email Address Present



Mobile Number Present

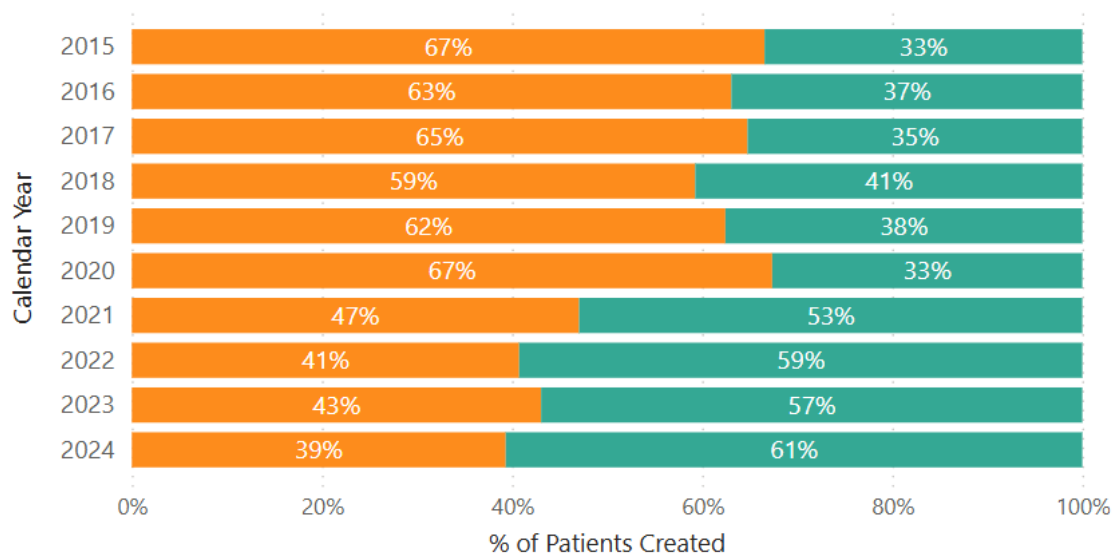


Telephone Number Present



Contact Status of Patients Added per Year

**Contactable** ● No ● Yes

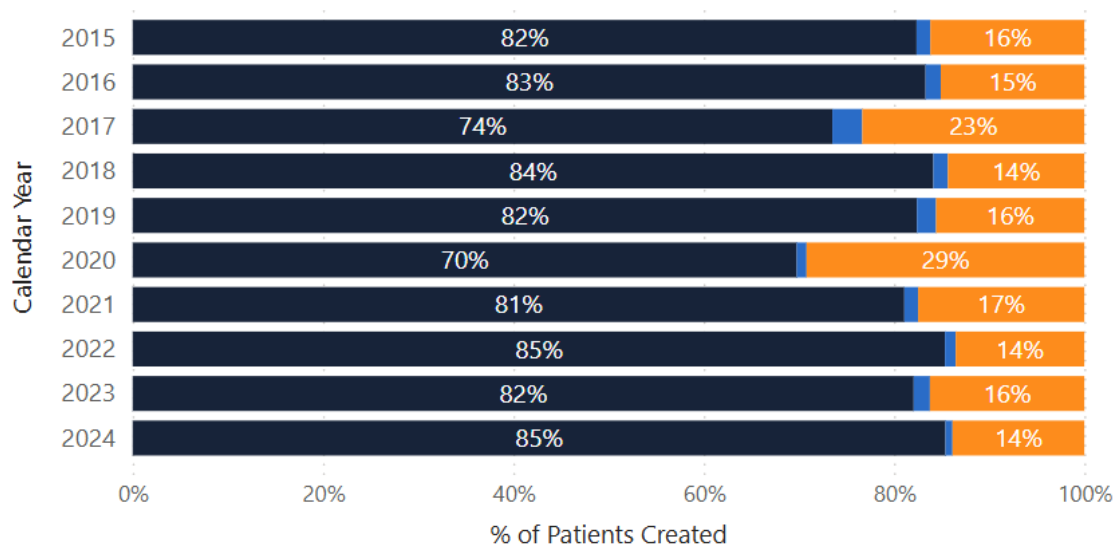


## Data Collection Consent Compliance per Pathway

Consent to Data Collection Status Pathway Type	Consent Given		Consent Not Given		Consent Not Yet Recorded	
	Patient Count	% of Whole Registry	Patient Count	% of Whole Registry	Patient Count	% of Whole Registry
Spinal (Lumbar Degenerative) Pathway (BSR)	216150	57.47%	4182	1.11%	45600	12.12%
Spinal (Cervicothoracic Degenerative) Pathway (BSR)	56430	15.00%	914	0.24%	9923	2.64%
Spinal (Deformity) Pathway (BSR)	24137	6.42%	313	0.08%	9058	2.41%
Spinal (Trauma) Pathway (BSR)	5934	1.58%	171	0.05%	3122	0.83%
Spinal (Tumour) Pathway (BSR)	4153	1.10%	91	0.02%	1520	0.40%
Spinal (Intradural) Pathway (BSR)	2259	0.60%	32	0.01%	540	0.14%
Spinal (Infection) Pathway (BSR)	1059	0.28%	53	0.01%	449	0.12%
BASIS Spinal Bracing Pathway (BSR)	464	0.12%	4	0.00%	15	0.00%
<b>Total</b>	<b>301182</b>	<b>80.07%</b>	<b>5665</b>	<b>1.51%</b>	<b>69281</b>	<b>18.42%</b>

## Data Collection Consent Status of Patients Added per Year

**Consent to Data Collection** ● Consent Given ● Consent Not Given ● Consent Not Yet Recorded

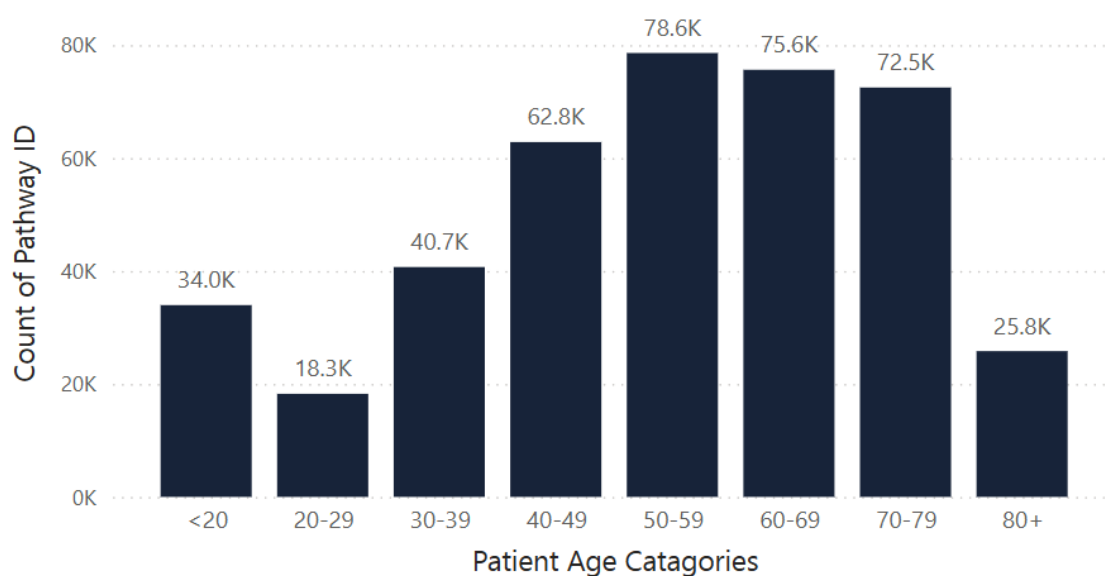


## Patient's Age at Time of Treatment

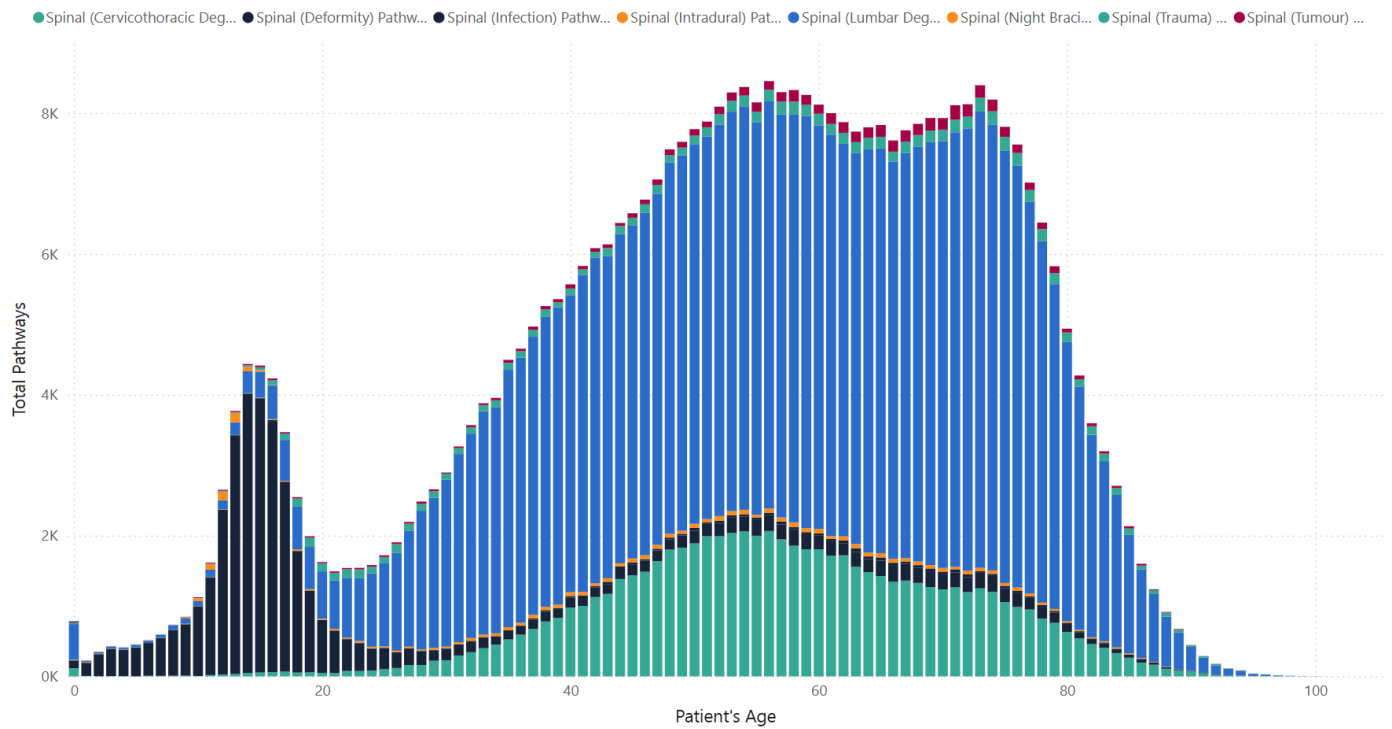
Patient's Age at Time of Treatment - Categorised and Shown as a Percentage of the Whole Registry

Pathway Type	<20	20-29	30-39	40-49	50-59	60-69	70-79	80+
Spinal (Cervicothoracic Degenerative) Pathway (BSR)	0.15%	0.27%	1.25%	3.34%	4.74%	3.65%	2.61%	0.83%
Spinal (Deformity) Pathway (BSR)	6.85%	0.88%	0.33%	0.36%	0.50%	0.50%	0.46%	0.14%
Spinal (Infection) Pathway (BSR)	0.02%	0.01%	0.03%	0.06%	0.08%	0.09%	0.08%	0.02%
Spinal (Intradural) Pathway (BSR)	0.03%	0.05%	0.10%	0.12%	0.14%	0.13%	0.10%	0.03%
Spinal (Lumbar Degenerative) Pathway (BSR)	1.03%	2.98%	8.05%	11.25%	13.30%	13.56%	13.88%	5.05%
Spinal (Night Bracing) Pathway (BSR) (BASIS)	0.12%			0.00%	0.00%		0.00%	0.00%
Spinal (Trauma) Pathway (BSR)	0.13%	0.26%	0.22%	0.25%	0.38%	0.39%	0.43%	0.23%
Spinal (Tumour) Pathway (BSR)	0.05%	0.06%	0.08%	0.15%	0.29%	0.38%	0.35%	0.08%
<b>Total</b>	<b>8.39%</b>	<b>4.51%</b>	<b>10.06%</b>	<b>15.53%</b>	<b>19.43%</b>	<b>18.69%</b>	<b>17.92%</b>	<b>6.38%</b>

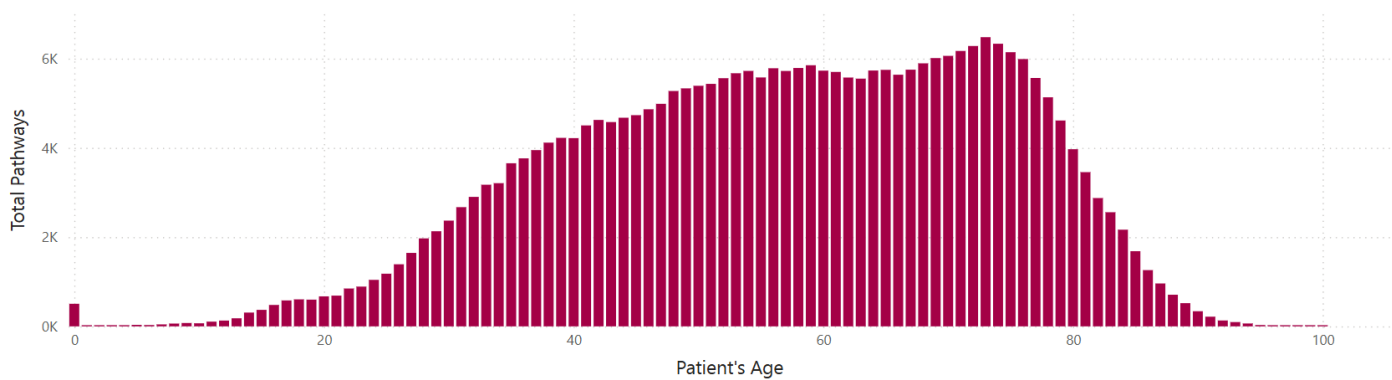
Patient's Age Category at Time of Treatment



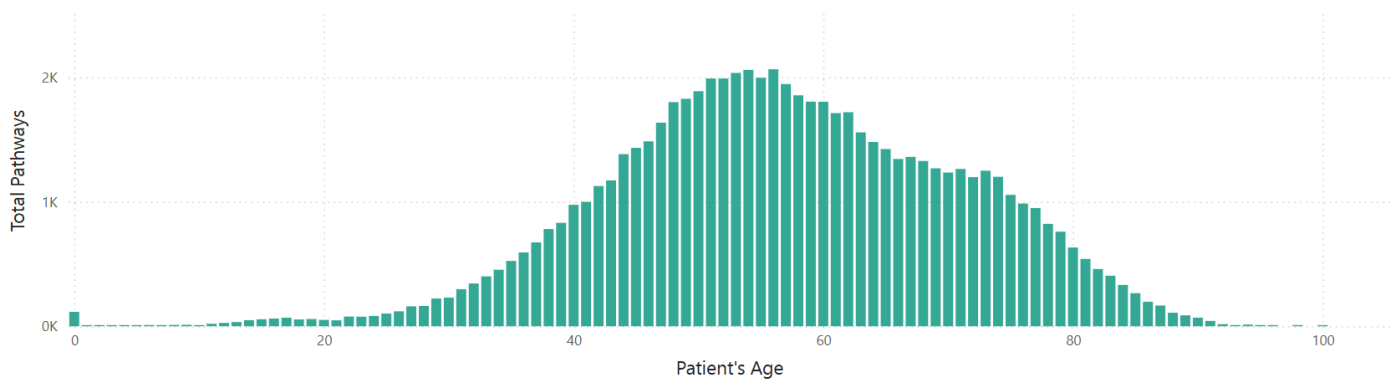
### Patient Age at Time of Treatment



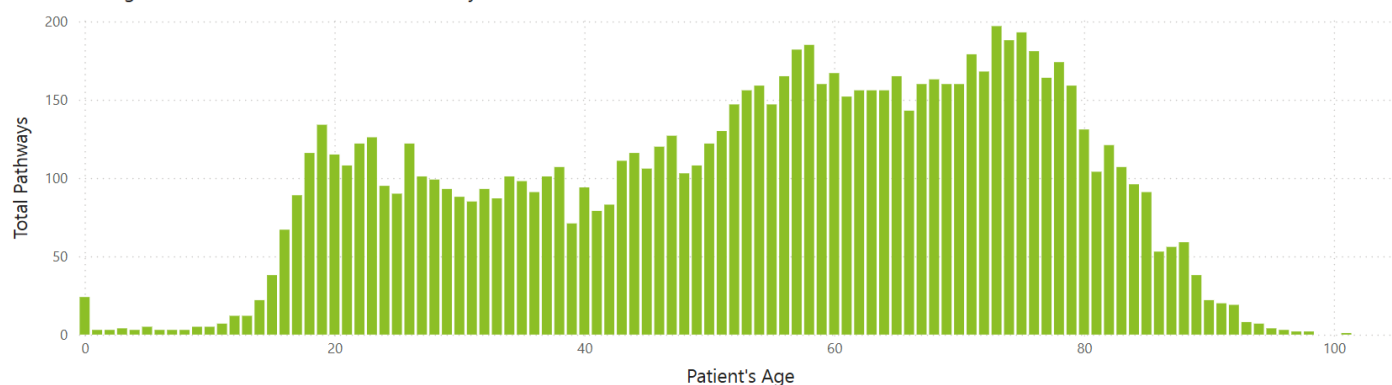
### BSR Patient Age at Time of Treatment - Lumbar Degenerative Pathway



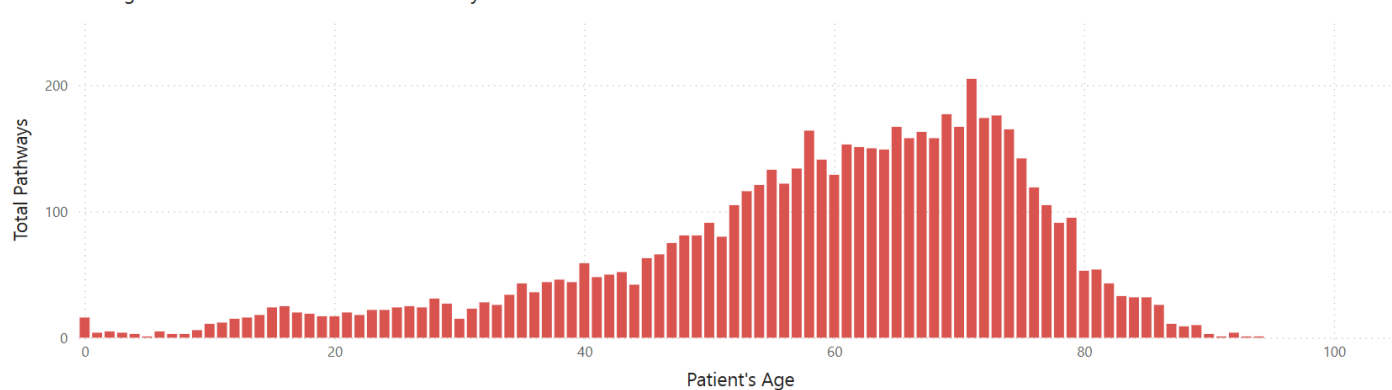
### BSR Patient Age at Time of Treatment - Cervicothoracic Degenerative Pathway



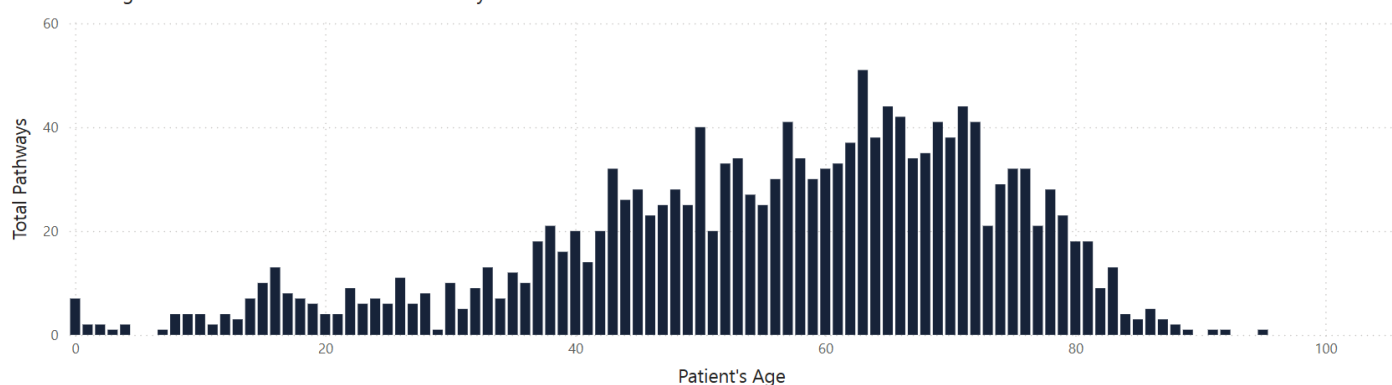
BSR Patient Age at Time of Treatment - Trauma Pathway



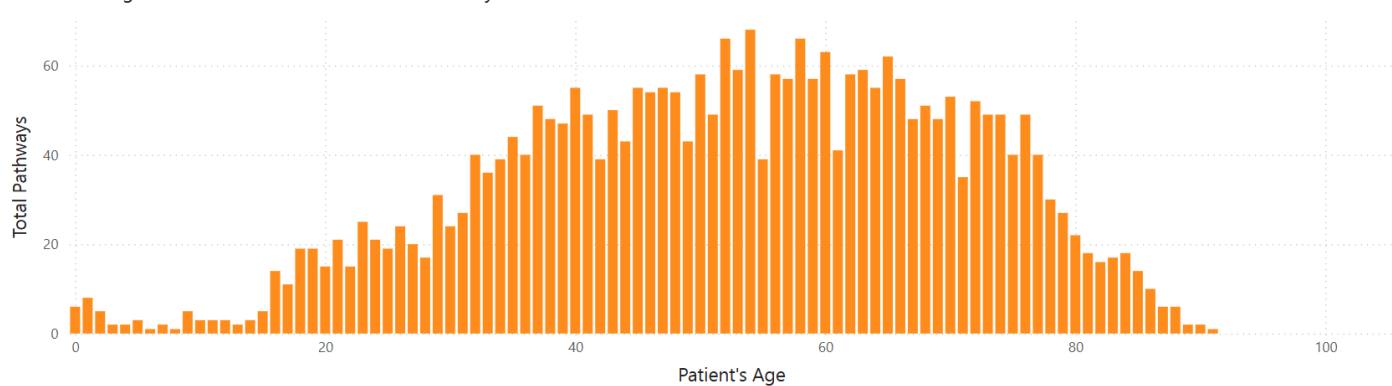
BSR Patient Age at Time of Treatment - Tumour Pathway



BSR Patient Age at Time of Treatment - Infection Pathway

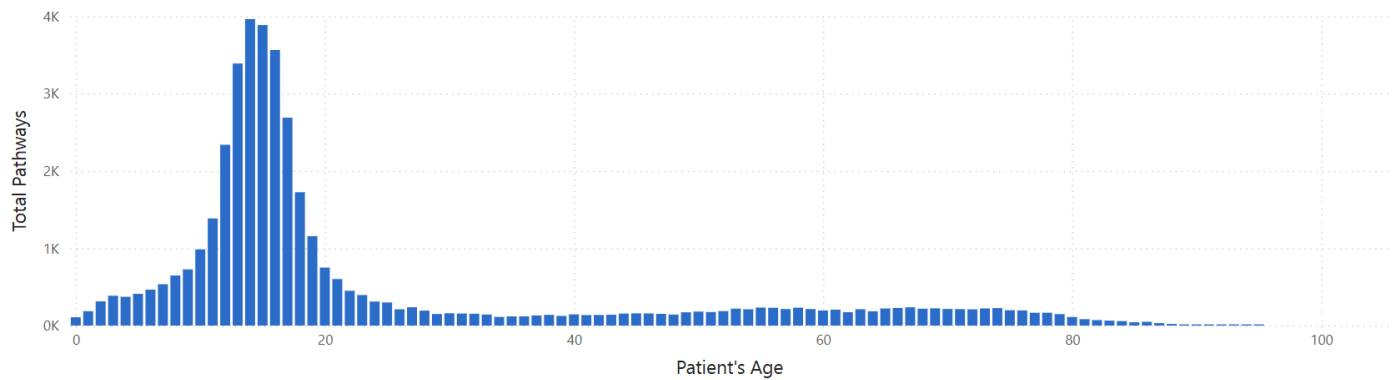


BSR Patient Age at Time of Treatment - Intradural Pathway

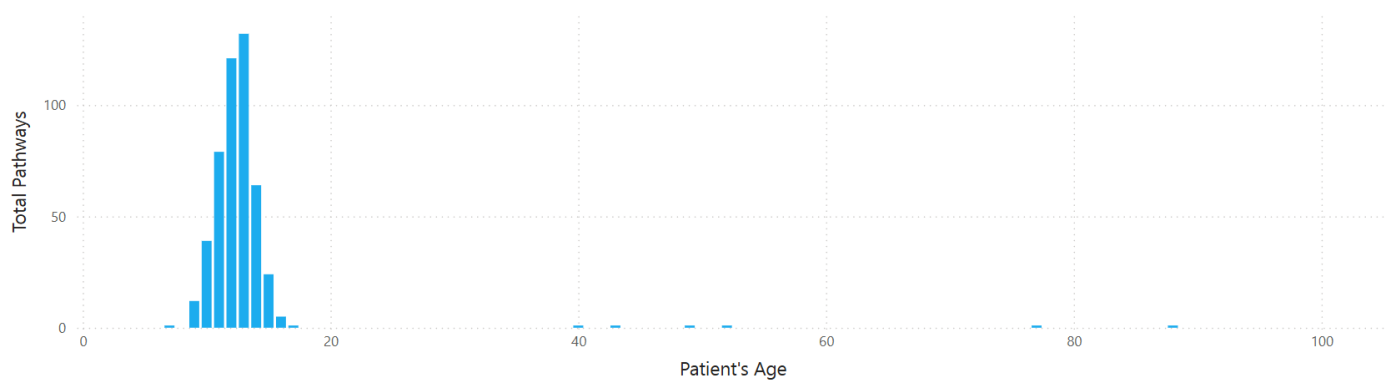




BSR Patient Age at Time of Treatment - Deformity Pathway

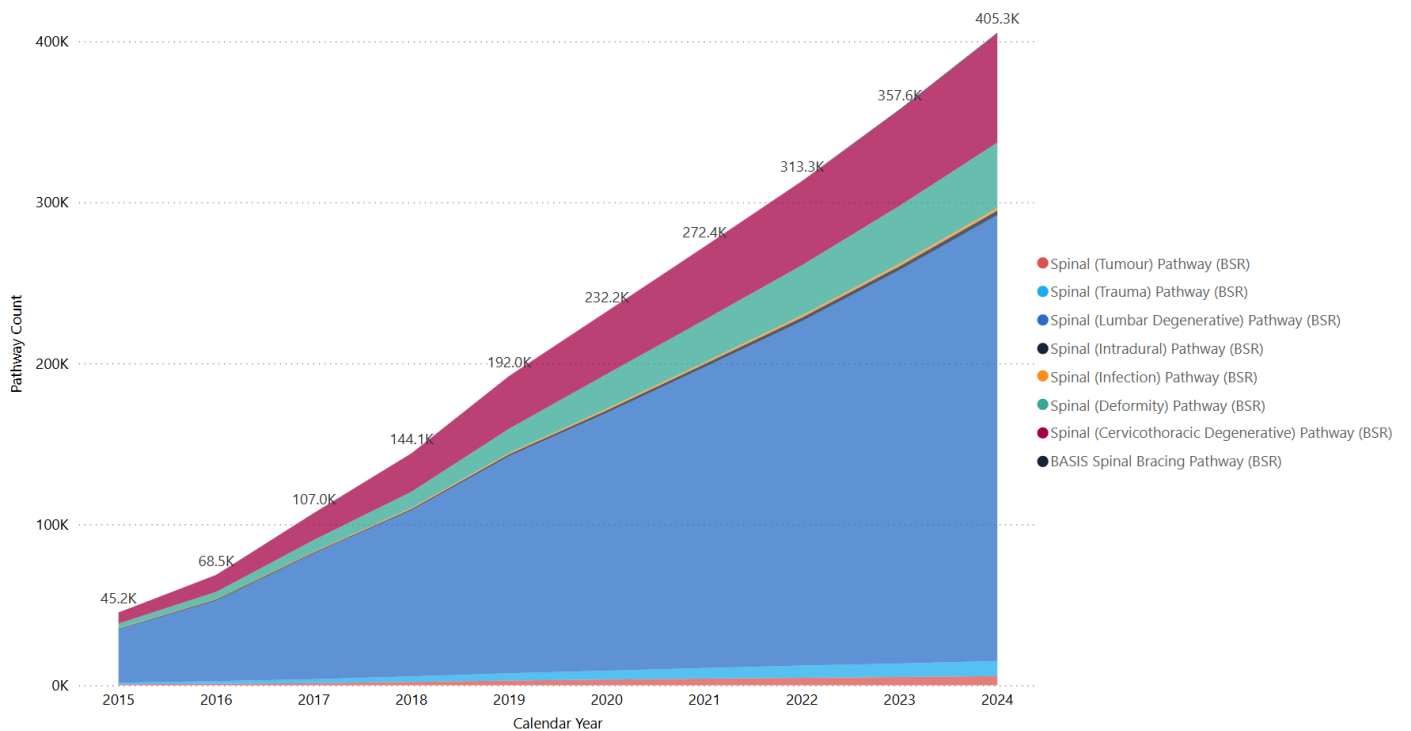


BSR Patient Age at Time of Treatment - Night Bracing (BASIS) Pathway

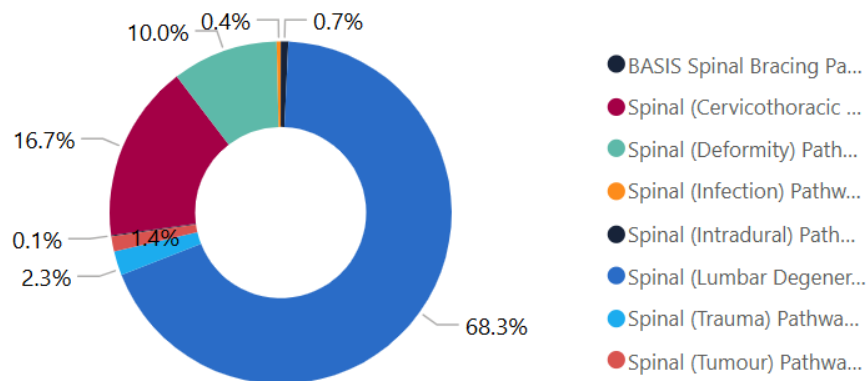


## BSR Pathway Numbers

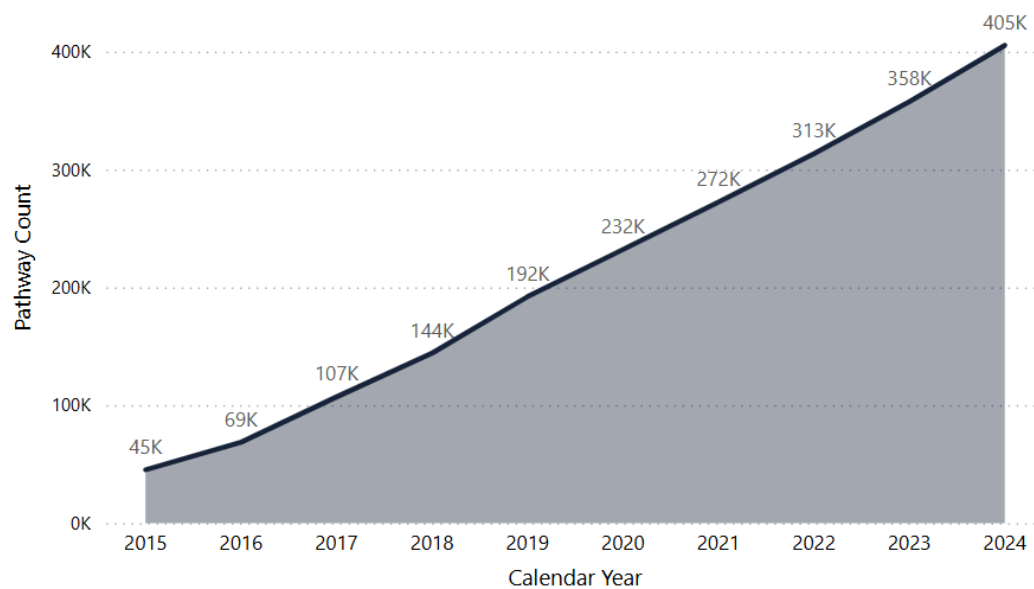
Pathway Count Year-on-Year by Type



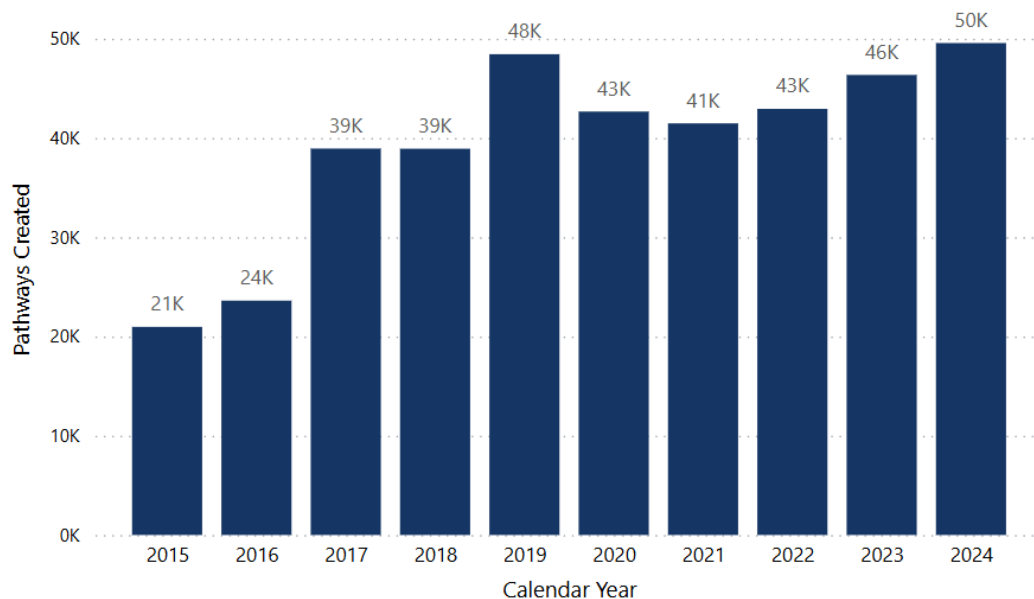
BSR Pathways by Type



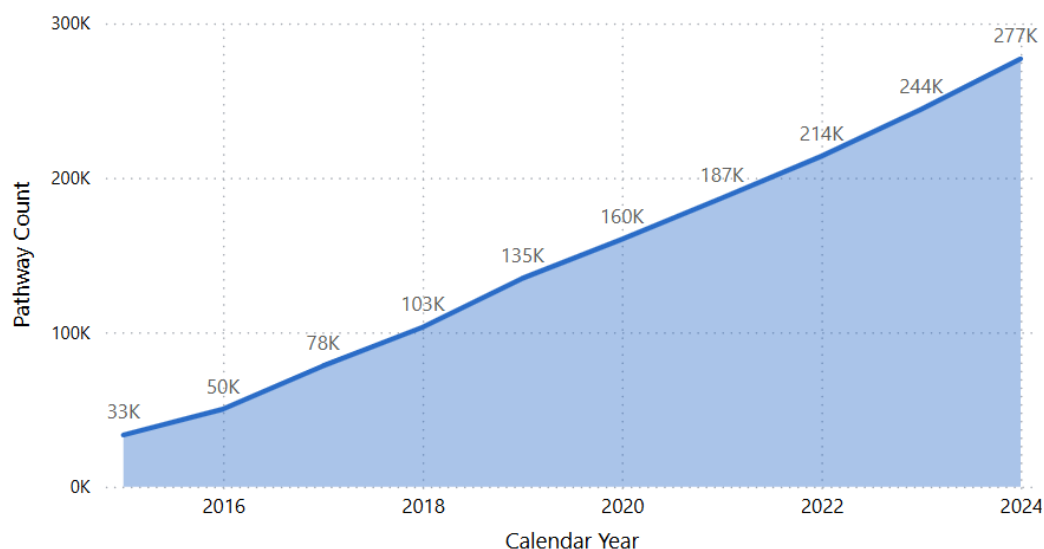
Pathway Count Year-on-Year - All BSR Pathway Types



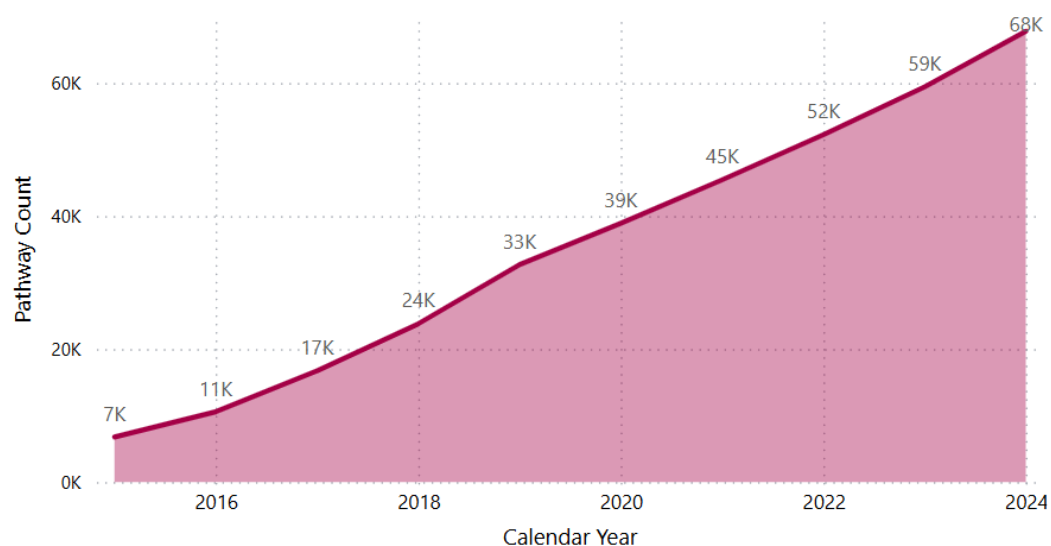
Pathways Created per Year - All BSR Pathway Types



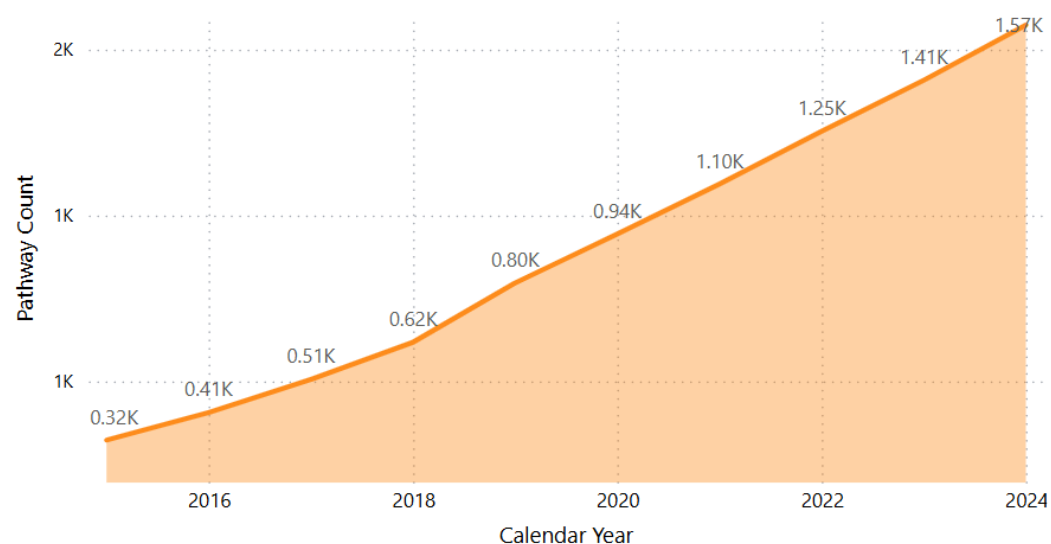
Pathway Count Year-on-Year - Spinal Lumbar Degenerative Pathway



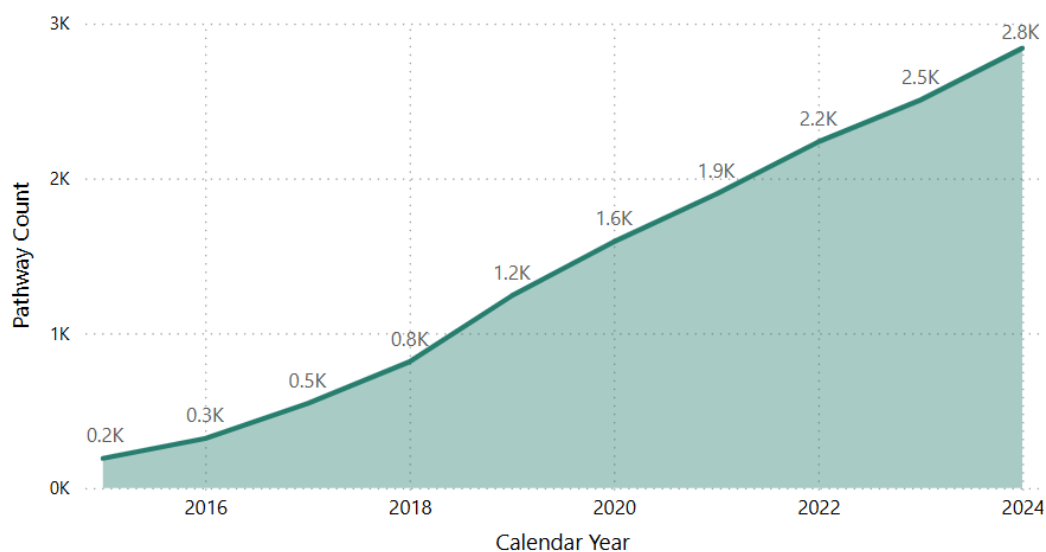
Pathway Count Year-on-Year - Spinal Cervicothoracic Degenerative Pathway



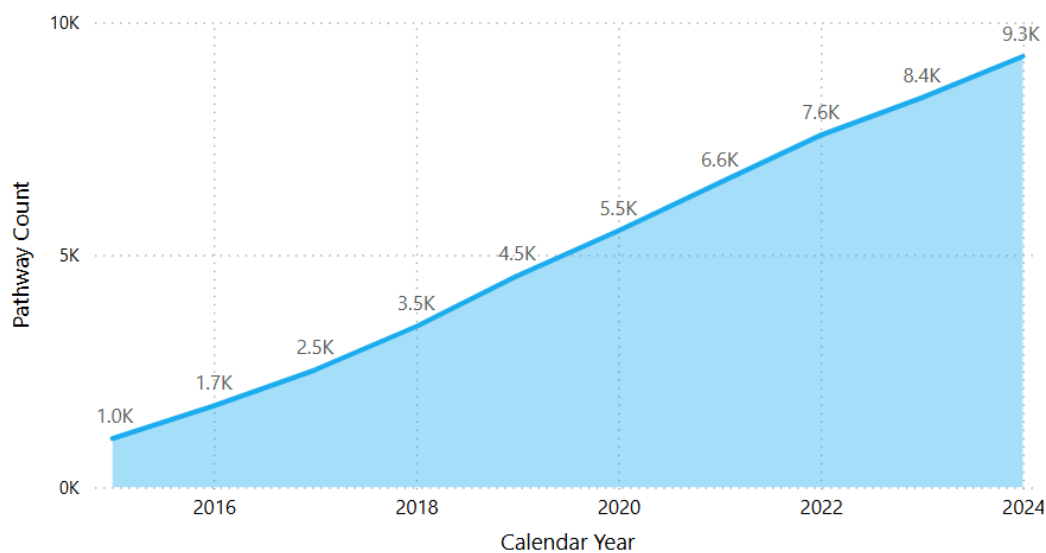
Pathway Count Year-on-Year - Spinal Infection Pathway



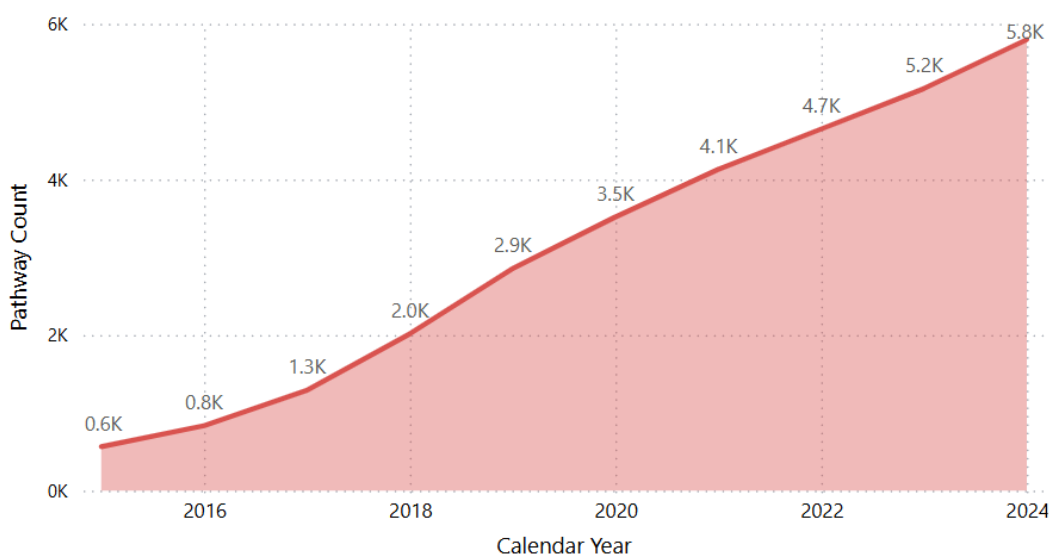
Pathway Count Year-on-Year - Spinal Intradural Pathway



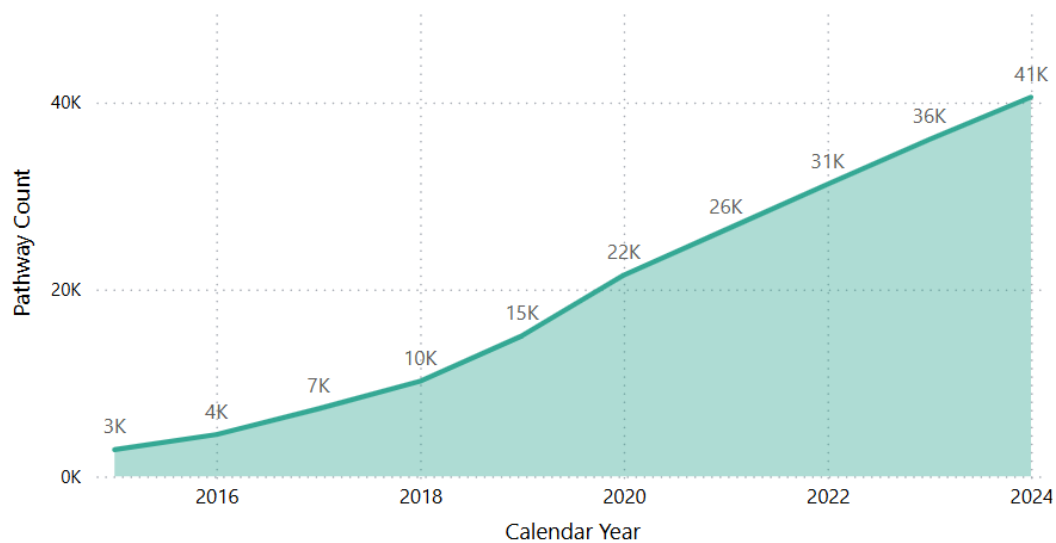
Pathway Count Year-on-Year - Spinal Trauma Pathway



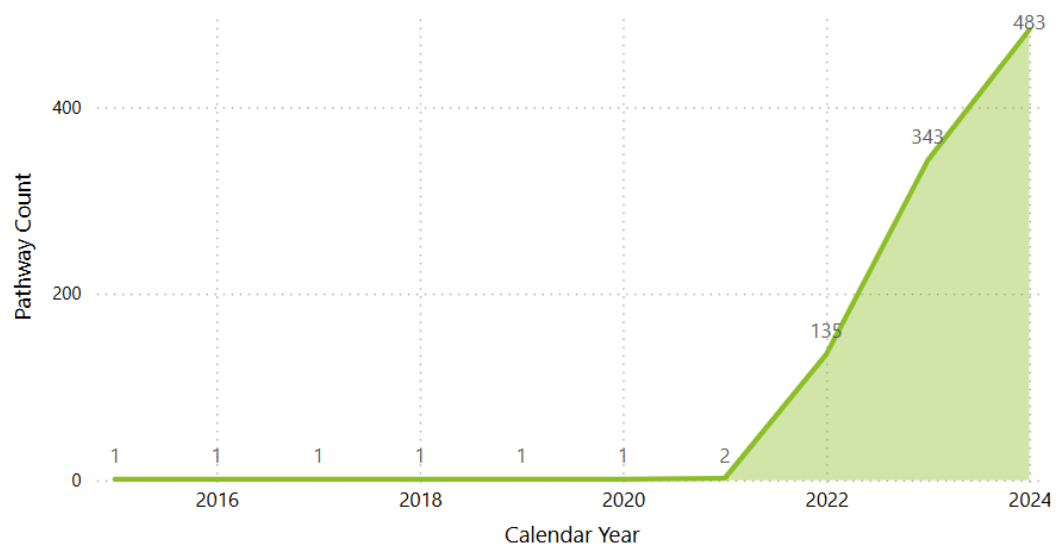
Pathway Count Year-on-Year - Spinal Tumour Pathway



Pathway Count Year-on-Year - Spinal Deformity Pathway



Pathway Count Year-on-Year - BASIS Spinal Night Bracing Pathway

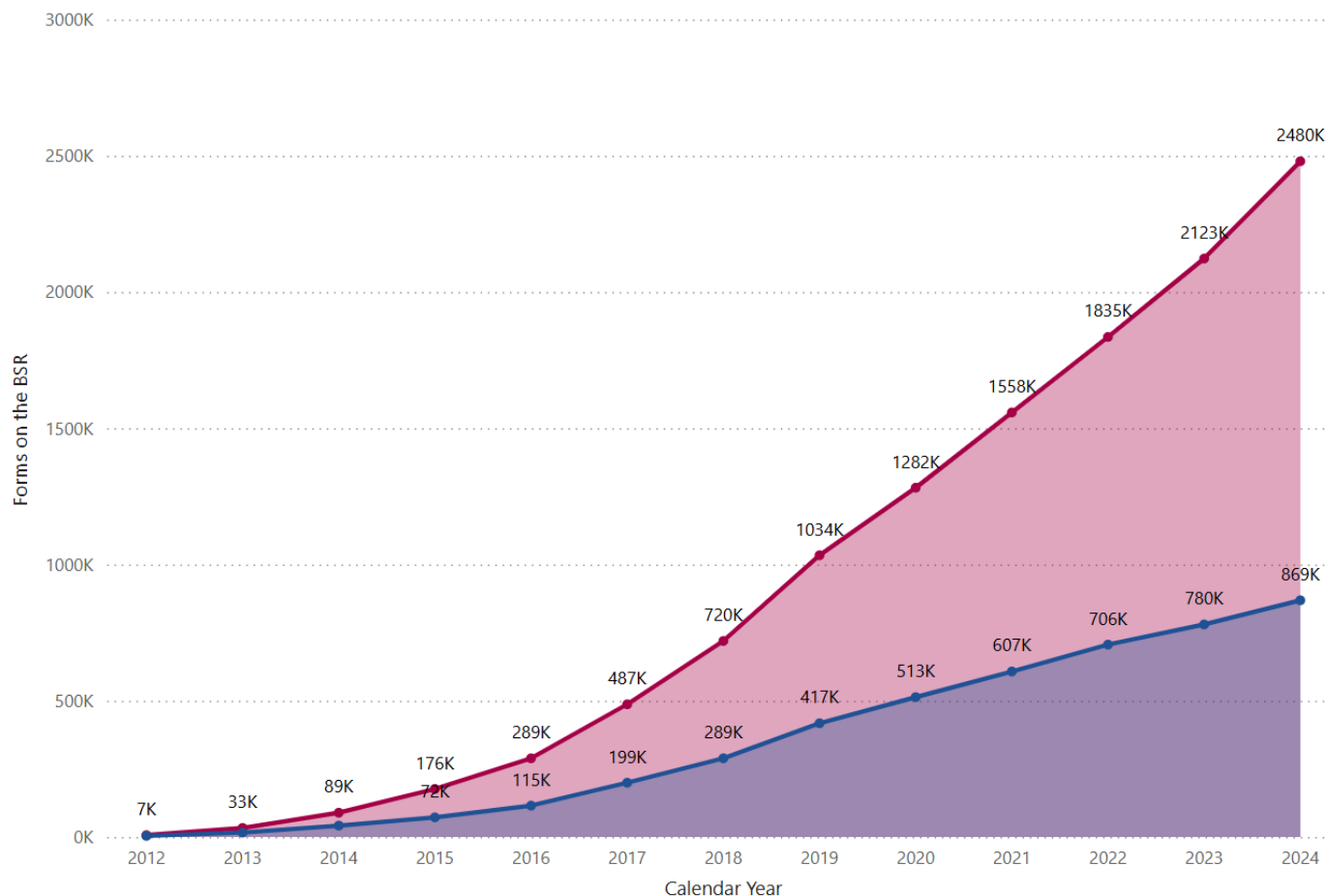


## Clinical Data

As of January 2025, there are 114,885 Primary Lumbar Decompressions recorded on the BSR, of those 56,871 include a Discectomy. The complication rate for Primary Lumbar Decompressions on the BSR is 5.55%.

### Completed Forms on the BSR

● Patient Completable Forms on the BSR ● Clinician Completable Forms on the BSR



### Clinician Completable Forms on the BSR

Form Category	Total Completed
Assessment	53274
Assessment With Score	221728
Classification	2
Complication Record	214840
Diagnosis Recorded	12264
End Point	4529
Non-operative Intervention	18
Notes	35648
Other	587
Procedure	269923
Review	55982
Treatment	8
<b>Total</b>	<b>868803</b>

### Patient Completable Forms on the BSR

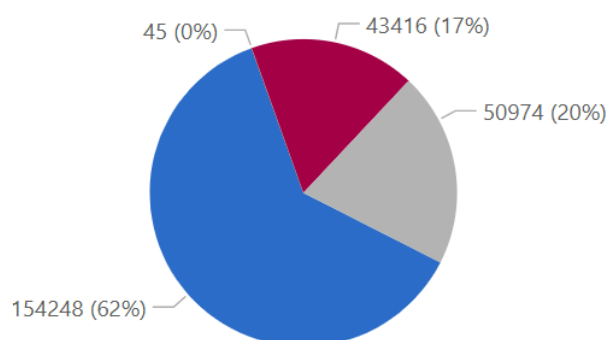
Form Category	Total Completed
Assessment	91349
Assessment With Score	156629
Co-Morbidity	100333
Complication Record	1
Diagnosis Recorded	967
Outcome Score	1990491
y. Friends and Family	140169
<b>Total</b>	<b>2479939</b>

## PROMs

Pathway Type	Time Interval	Complete	Due	Overdue	Purged
Spinal (Cervicothoracic Degenerative) Pathway	2 Weeks Prior	61.3%	0.0%	20.1%	18.6%
	Immediate	70.0%	0.2%	0.7%	29.1%
	6 Weeks	37.8%	0.2%	1.5%	60.5%
	12 Months	30.1%	0.4%	1.9%	67.5%
	2 Years	25.2%	0.4%	1.8%	72.5%
Spinal (Lumbar Degenerative) Pathway	2 Weeks Prior	63.5%	0.0%	16.5%	20.0%
	Immediate	72.9%	0.1%	0.9%	26.1%
	6 Weeks	39.9%	0.2%	1.3%	58.7%
	6 Months	32.8%	0.3%	1.5%	65.5%
	12 Months	29.7%	0.4%	1.7%	68.2%
	2 Years	25.0%	0.4%	1.6%	73.0%
Spinal (Trauma) Pathway	2 Weeks Prior	31.0%	0.0%	37.0%	32.0%
	Immediate	62.6%	0.0%	0.0%	37.4%
	6 Weeks	17.7%	0.4%	1.9%	80.0%
	6 Months	14.9%	0.3%	1.4%	83.4%
	12 Months	12.8%	0.3%	2.6%	84.3%
	2 Years	6.1%	3.0%	0.0%	90.9%
Spinal (Tumour) Pathway	2 Weeks Prior	42.3%	0.0%	27.7%	30.1%
	Immediate	80.6%	0.0%	0.0%	19.4%
	6 Weeks	27.2%	0.3%	1.5%	71.0%
	6 Months	22.5%	0.3%	1.5%	75.6%
	12 Months	19.4%	0.3%	2.4%	77.9%
BASIS Spinal Bracing Pathway	Immediate	99.5%	0.0%	0.0%	0.5%
	6 Months	76.4%	0.9%	4.3%	18.4%
	12 Months	73.9%	2.5%	5.4%	18.3%
	2 Years	58.4%	5.6%	18.0%	18.0%
Spinal (Deformity) Pathway	2 Weeks Prior	61.2%	0.0%	14.8%	23.9%
	Immediate	74.7%	0.2%	0.5%	24.7%
	6 Weeks	39.4%	0.1%	0.7%	59.8%
	6 Months	37.5%	0.1%	0.6%	61.8%
	12 Months	35.7%	0.3%	1.0%	63.0%
	2 Years	33.3%	0.5%	1.3%	64.8%
Spinal (Infection) Pathway	2 Weeks Prior	27.6%	0.0%	43.1%	29.3%
	Immediate	85.7%	0.0%	0.0%	14.3%
	6 Weeks	15.9%	0.7%	2.1%	81.3%
	6 Months	16.3%	0.8%	2.8%	80.1%
	12 Months	14.1%	0.6%	1.4%	84.0%
	2 Years	7.7%	0.0%	0.0%	92.3%
Spinal (Intradural) Pathway	2 Weeks Prior	58.0%	0.0%	20.4%	21.6%
	Immediate	61.9%	0.0%	1.6%	36.5%
	6 Weeks	39.5%	0.2%	1.0%	59.3%
	6 Months	35.9%	0.4%	2.0%	61.7%
	12 Months	32.4%	0.4%	1.4%	65.9%
	2 Years	25.0%	0.0%	12.5%	62.5%

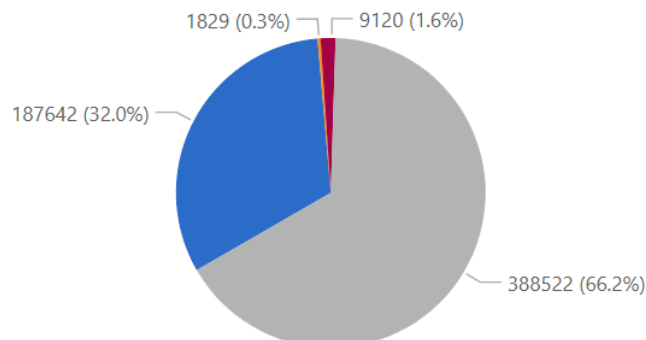
## Pre-Op Compliance

Task Status ● Complete ● Due ● Overdue ● Purged



## Post-Op Compliance

Task Status ● Complete ● Due ● Overdue ● Purged



Graphs show an average compliance for all BSR pathways,  
Percentages are of the total number of forms due or past due date i.e. excludes those which are not yet due.

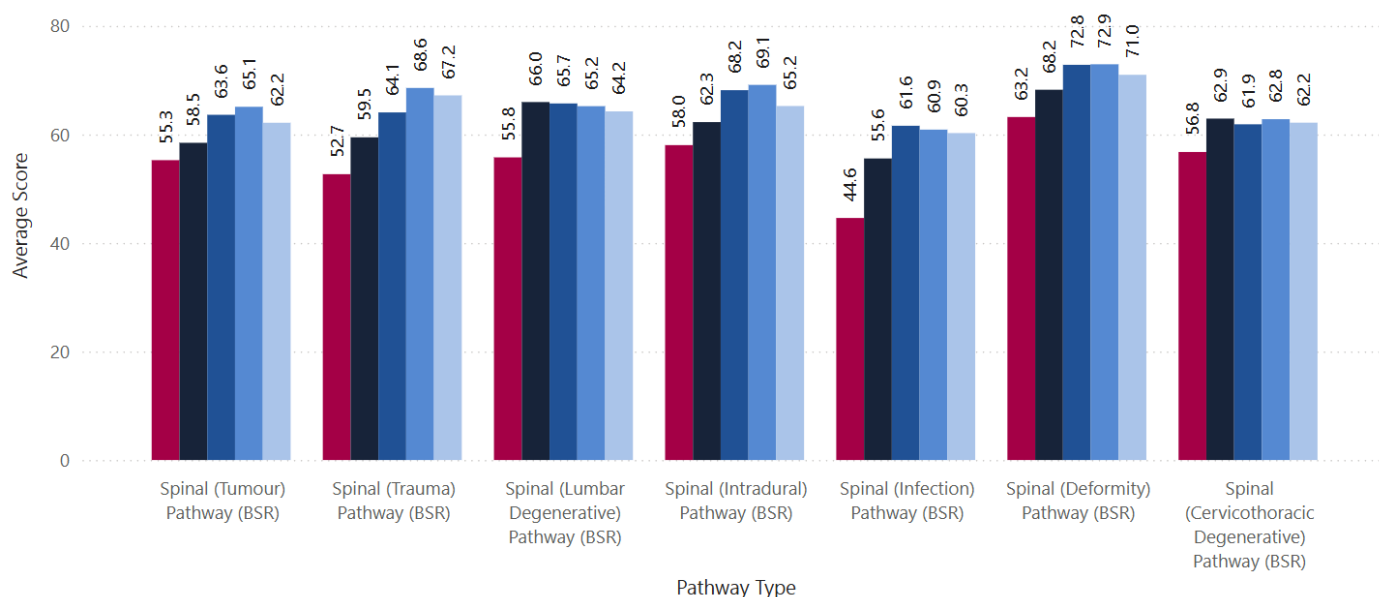
The EQ-5D 5L score is used to determine compliance as this is a universal measure used on all pathways at all timepoints.

## EQ-5D 5L

Pathway Type	Count of Baseline EQ-5D 5Ls	Count of 6 Week EQ-5D 5Ls	Count of 6 Month EQ-5D 5Ls	Count of 12 Month EQ-5D 5Ls	Count of 2 Year EQ-5D 5Ls
Spinal (Tumour) Pathway (BSR)	1466	1244	929	779	192
Spinal (Trauma) Pathway (BSR)	1278	1491	1418	939	237
Spinal (Lumbar Degenerative) Pathway (BSR)	130660	88663	67171	59874	45553
Spinal (Intradural) Pathway (BSR)	919	972	775	685	143
Spinal (Infection) Pathway (BSR)	212	195	196	164	36
Spinal (Deformity) Pathway (BSR)	5095	4629	3890	3659	3119
Spinal (Cervicothoracic Degenerative) Pathway (BSR)	28119	19420	6950	13045	9579
<b>Total</b>	<b>167749</b>	<b>116614</b>	<b>81329</b>	<b>79145</b>	<b>58859</b>

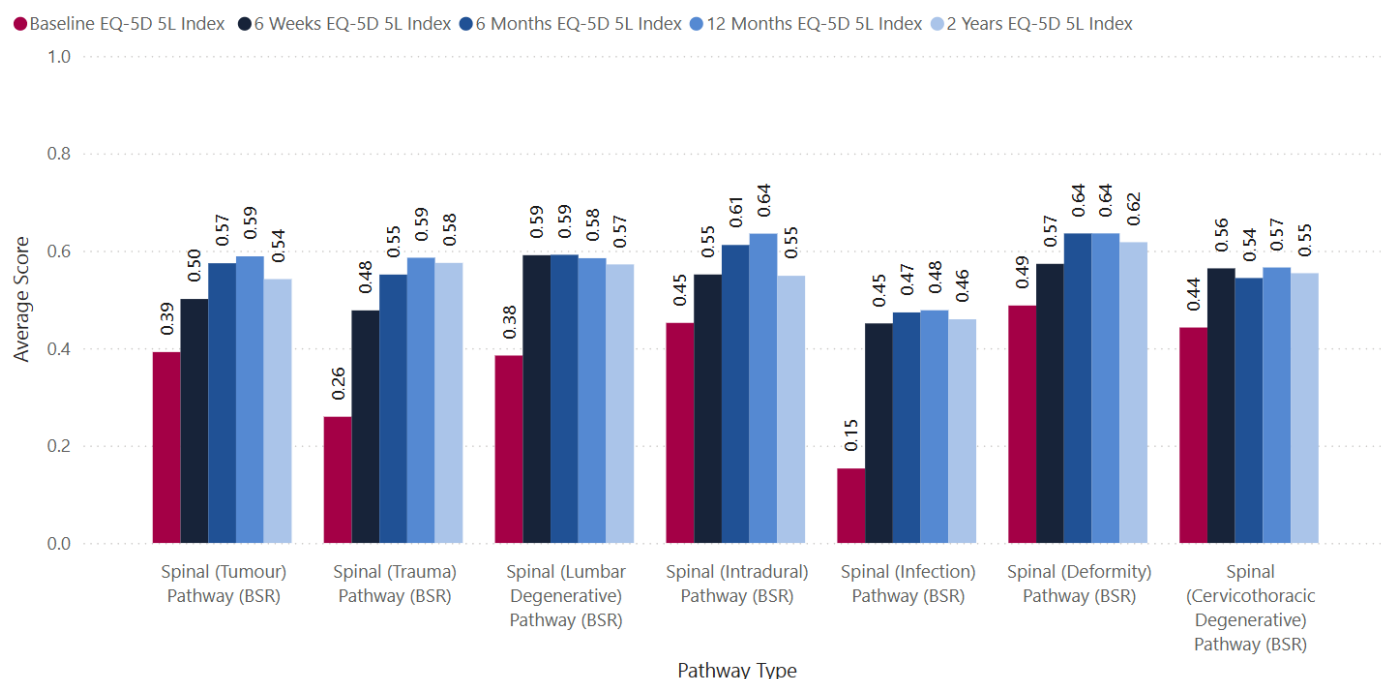
## Average of EQ-5D 5L Health VAS per Pathway Type

● Baseline EQ-5D 5L Health VAS ● 6 Weeks EQ-5D 5L Health VAS ● 6 Months EQ-5D 5L Health VAS ● 12 Months EQ-5D 5L Health VAS ● 2 Years EQ-5D 5L Health VAS





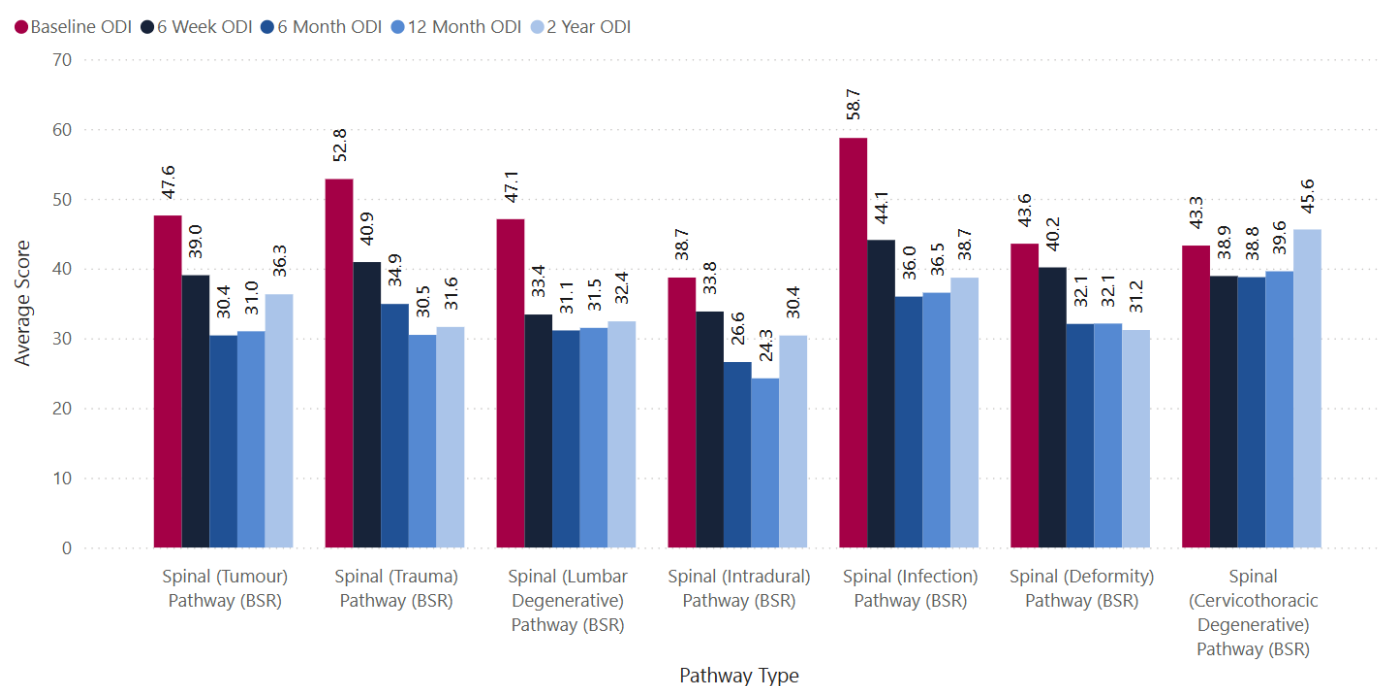
## Average of EQ-5D 5L Index per Pathway Type



## Oswestry Disability Index

Pathway Type	Count of Baseline ODIs	Count of 6 Week ODIs	Count of 6 Month ODIs	Count of 12 Month ODIs	Count of 2 Year ODIs
Spinal (Tumour) Pathway (BSR)	642	283	195	161	56
Spinal (Trauma) Pathway (BSR)	821	427	287	237	56
Spinal (Lumbar Degenerative) Pathway (BSR)	136454	88432	67078	58318	43236
Spinal (Intradural) Pathway (BSR)	685	915	746	663	122
Spinal (Infection) Pathway (BSR)	170	182	183	164	38
Spinal (Deformity) Pathway (BSR)	1225	558	450	431	399
Spinal (Cervicothoracic Degenerative) Pathway (BSR)	2039	500	275	249	196
<b>Total</b>	<b>142036</b>	<b>91297</b>	<b>69214</b>	<b>60223</b>	<b>44103</b>

## Average Oswestry Disability Index per Pathway Type

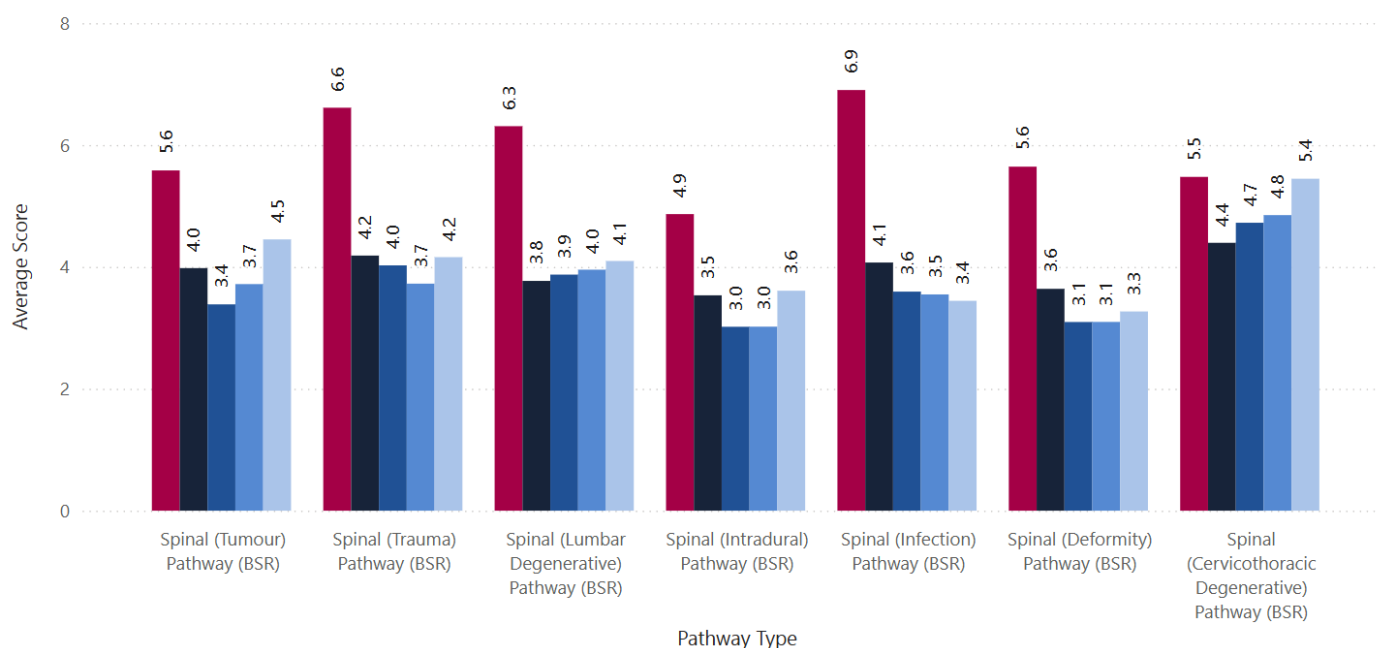


## VAS (Back & Leg)

Pathway Type	Count of Baseline VAS (Back + Leg)	Count of 6 Week VAS (Back + Leg)	Count of 6 Month VAS (Back + Leg)	Count of 12 Month VAS (Back + Leg)	Count of 2 Year VAS (Back + Leg)
Spinal (Tumour) Pathway (BSR)	1287	1170	889	744	174
Spinal (Trauma) Pathway (BSR)	1135	1400	1328	860	211
Spinal (Lumbar Degenerative) Pathway (BSR)	137899	90843	67032	58656	43659
Spinal (Intradural) Pathway (BSR)	775	934	754	672	133
Spinal (Infection) Pathway (BSR)	193	187	181	155	32
Spinal (Deformity) Pathway (BSR)	4436	4431	3740	3369	2765
Spinal (Cervicothoracic Degenerative) Pathway (BSR)	2038	467	273	230	183
<b>Total</b>	<b>147763</b>	<b>99432</b>	<b>74197</b>	<b>64686</b>	<b>47157</b>

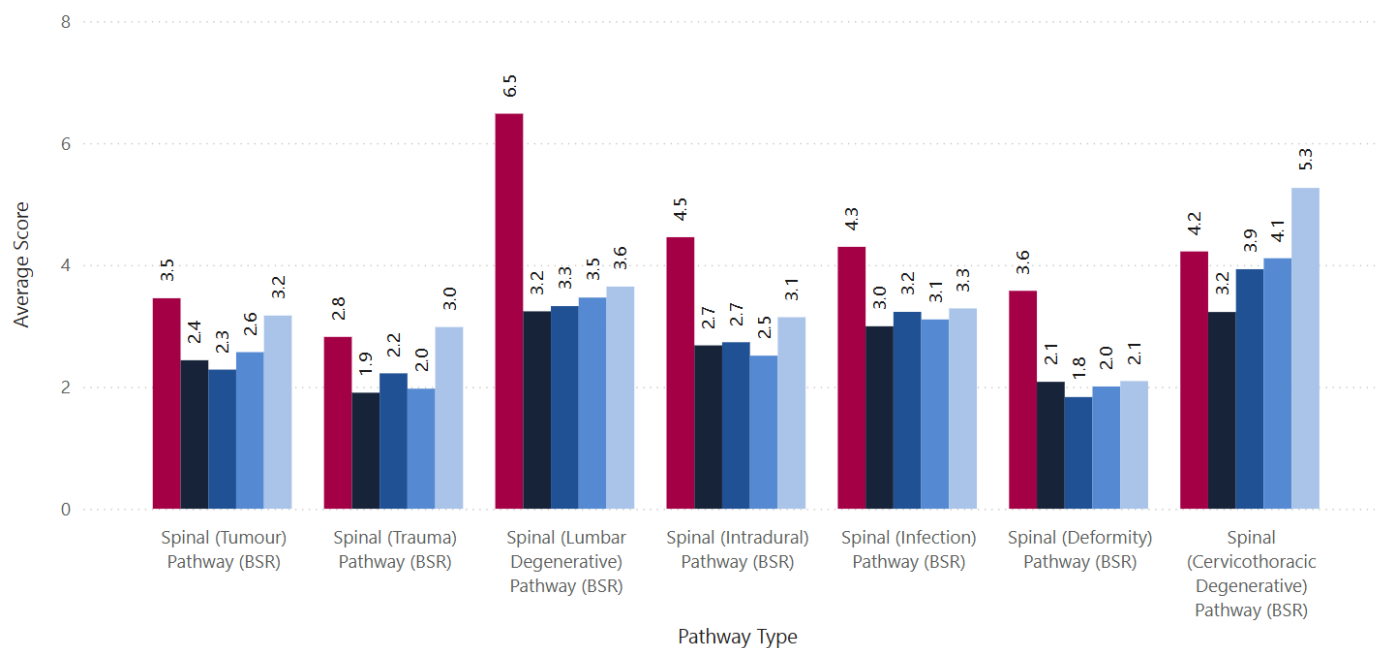
### Average VAS (Back & Leg) - Back Pain per Pathway Type

● Baseline VAS Back Pain ● 6 Week VAS Back Pain ● 6 Month VAS Back Pain ● 12 Month VAS Back Pain ● 2 Year VAS Back Pain

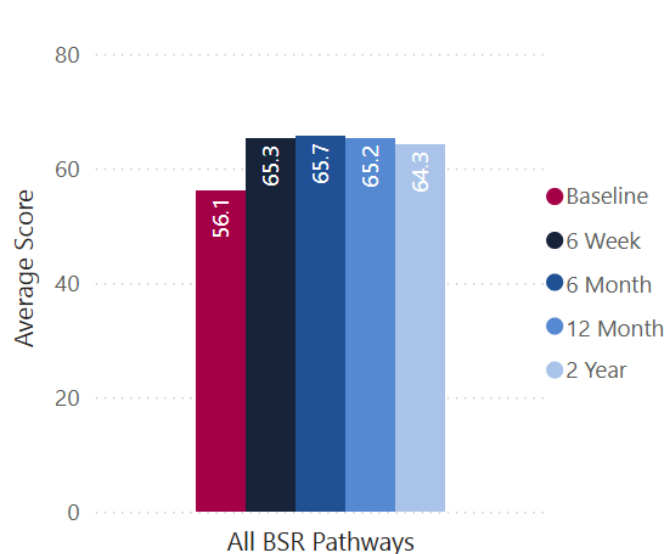


### Average VAS (Back & Leg) - Leg Pain (Worst) per Pathway Type

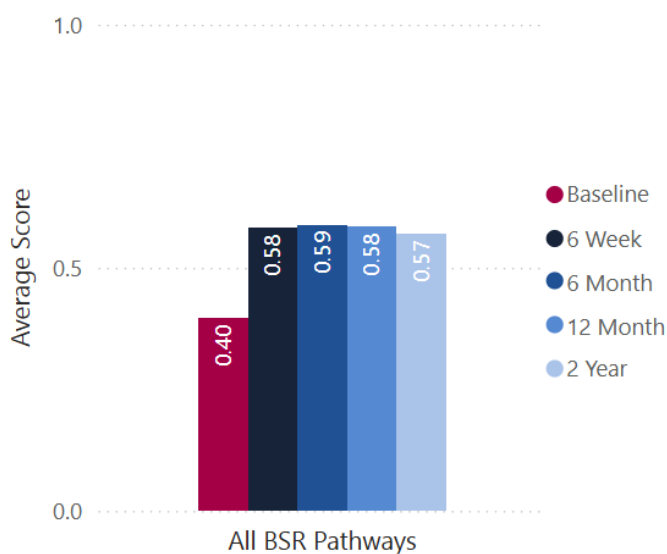
● Baseline VAS Leg Pain (Worst) ● 6 Week VAS Leg Pain (Worst) ● 6 Month VAS Leg Pain (Worst) ● 12 Month VAS Leg Pain (Worst) ● 2 Year VAS Leg Pain (Worst)



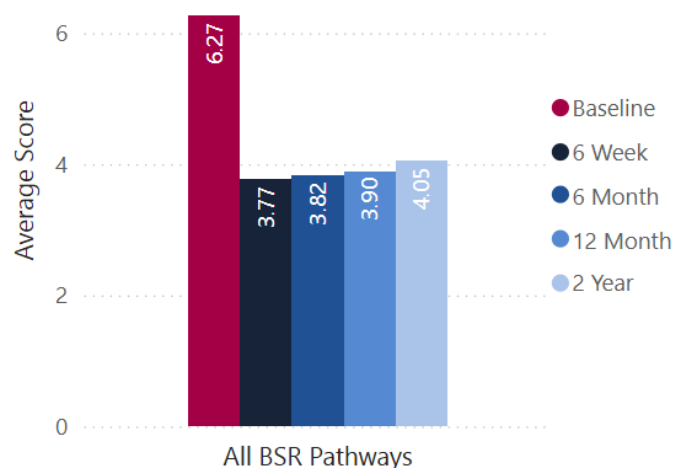
Average of EQ-5D 5L Health VAS



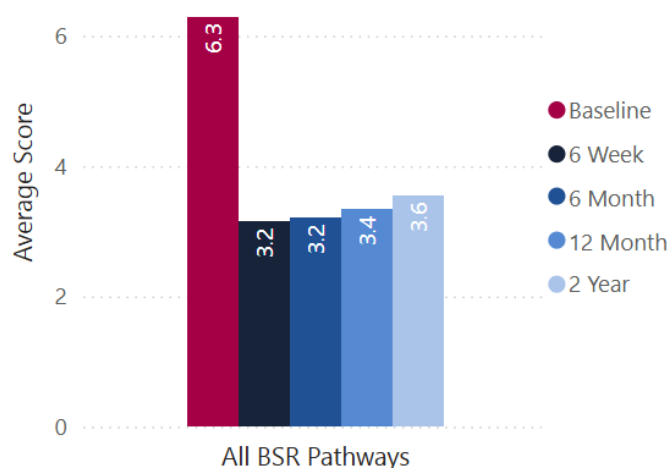
Average of EQ-5D 5L Index



Average VAS (Back & Leg) - Back Pain



Average VAS (Back & Leg) - Leg Pain (Worst)



Average Oswestry Disability Index

