

## Surgeon Specific Registry™ (SSR) Benchmarking Report – User Guide

The SSR Benchmarking report focuses on preoperative risk factors and postoperative outcomes/occurrences and compares individual surgeon data against aggregated SSR and ACS NSQIP data. This report is recommended for your regular data review.

Only cases saved and marked as “complete” that include a DOB, procedure date, procedure, etc. will be included in this report. To make the most of the SSR Benchmarking report, ideally record all preop risk factors (*check the longform in your case entry form*) and operative information. In addition, postop occurrences should be included in your case data collection. (*Review the recommended data collection in the appendix.*)

### Possible Uses



Continual review of your outcomes data is critical for continuous quality improvement. These reports are non-risk-adjusted and can be run at any time. We highly recommend reviewing this report at least **monthly or quarterly**. This will allow surgeons to better track occurrences and identify gaps and trends.

**Step 1:** To access the Benchmarking report, click on “Operational Reports” in the SSR menu.

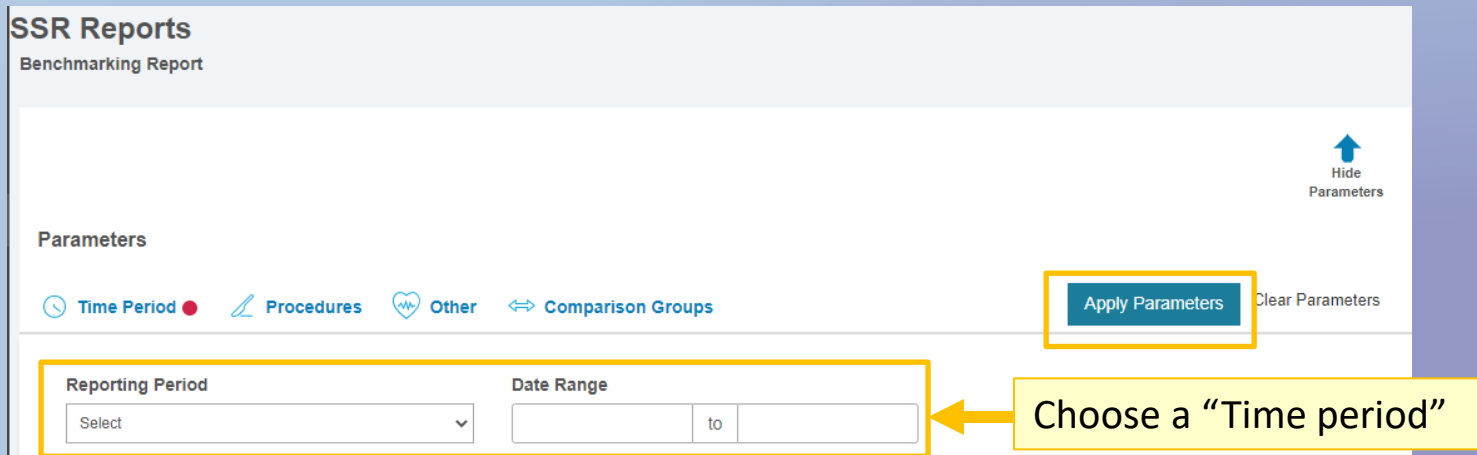
**Step 2:** Click on “Benchmarking Report.”

The screenshot shows a user interface for the Surgeon Specific Registry. On the left is a dark sidebar with a 'Welcome, Tyler Shippen' header. Below it, it says 'Currently Viewing Surgeon Specific Registry Shippen Test – Shippen Test' and a 'Switch Current View' button. The sidebar has two main sections: 'PLATFORM' with links for 'Cases', 'Upload', and 'Form Management'; and 'ANALYTICS' with 'Notifications' (25) and 'Operational Reports' (highlighted with a yellow box). The main content area is titled 'Operational Reports' and lists several report types: 'SSR Reports', 'SSR Reports' (with a description: 'These reports provide analytics for patients, procedures, and surgical outcomes.'), 'Benchmarking Report' (highlighted with a yellow box, with a description: 'This report compares individual surgeon data against aggregated SSR and ACS NSQIP data.'), 'Measures Report' (with a description: 'This report provides measure performance and data reporting rates, measure details, and Impro data submitted through the ACS SSR.'), and 'Data Download Report' (with a description: 'This report contains DDR information.').

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**Step 3: Required Parameter:**  **Time Period**  Select the “Reporting Period” time frame or a specific date range.





**Step 4:** Click on “Apply Parameters” to load the report.



**SSR Reports**  
Benchmarking Report

Hide Parameters

Parameters

 **Time Period**  Procedures  Other  Comparison Groups

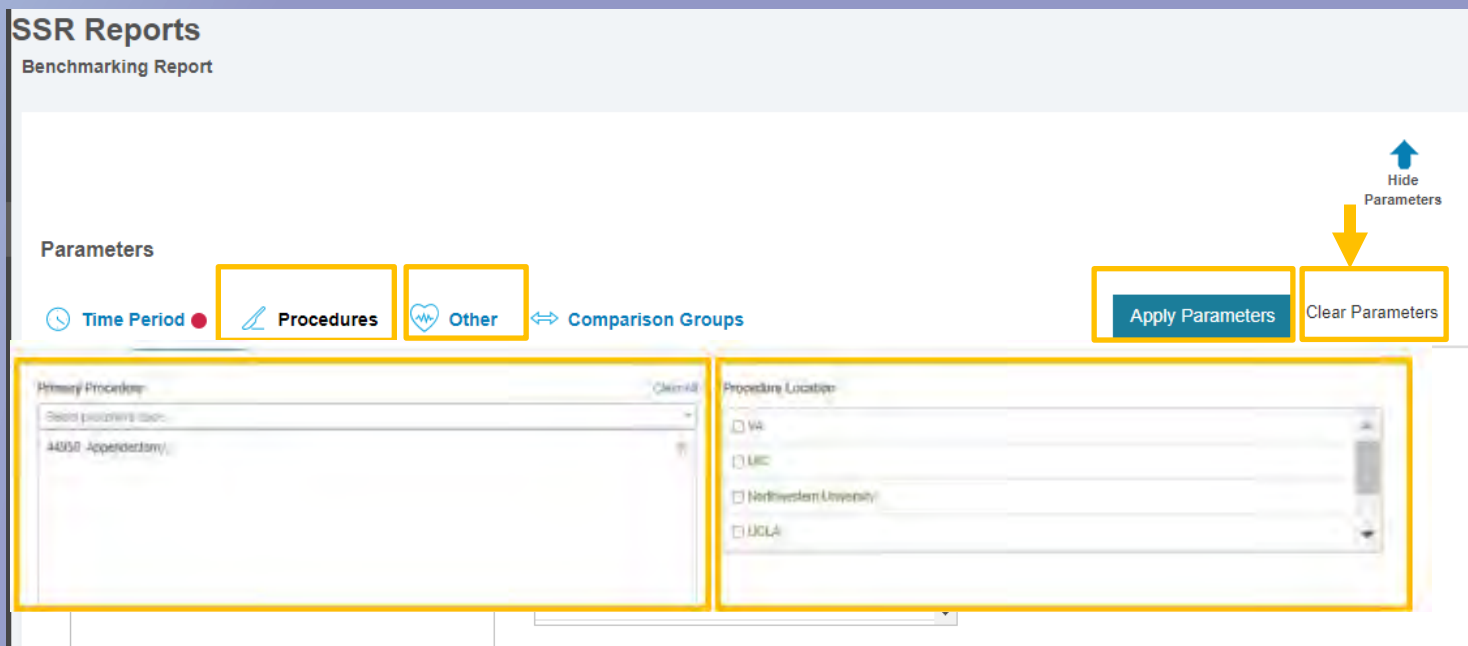
Apply Parameters Clear Parameters

Reporting Period: Select  Date Range:  to

Choose a “Time period”

**Note:** In addition, **Optional parameters** are available. Procedures: “Primary Procedure code(s) or descriptions, “Procedure Locations, “Other” [Surgical Specialty, Postop ICD-10 Code, Age at time of Surgery, Case Acuity] etc. Some of these optional parameters will be most useful once more clinical and procedure specific case data is entered:





- ❖ Click on “Procedures,” then search for the procedure(s) by CPT-code or description. You may enter as multiple procedures.
- ❖ You can choose any Procedure Location(s) as you find appropriate for your Benchmarking data analysis. Once your additional parameter(s) are chosen, click on “Apply Parameter.”



**SSR Reports**  
Benchmarking Report

Hide Parameters

Parameters

 Time Period  **Procedures**  **Other**  Comparison Groups

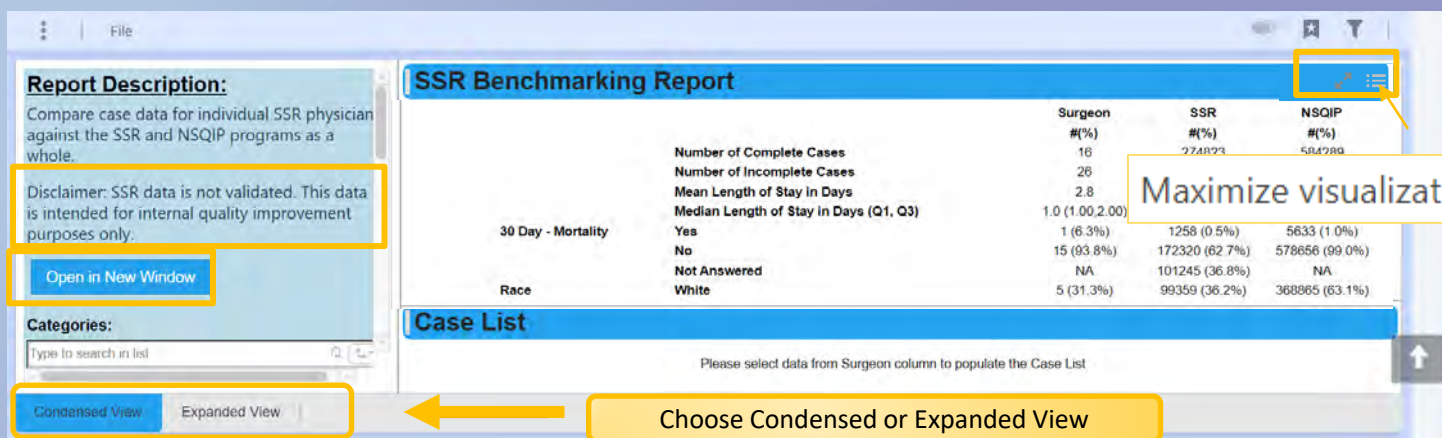
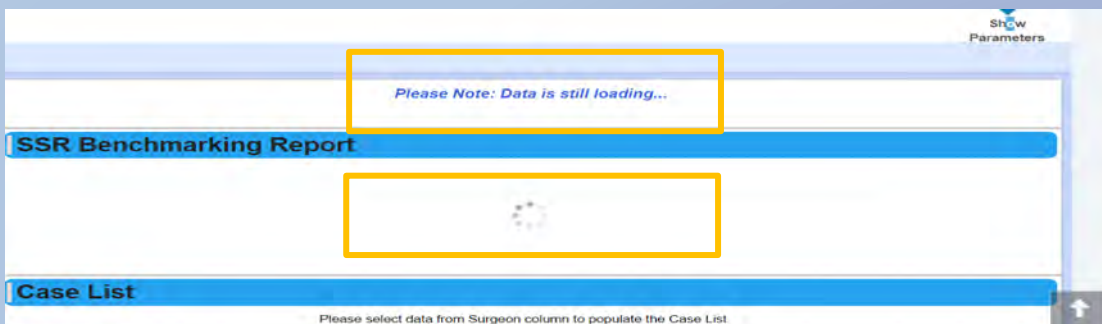
Apply Parameters Clear Parameters

Primary Procedure:  Clear All

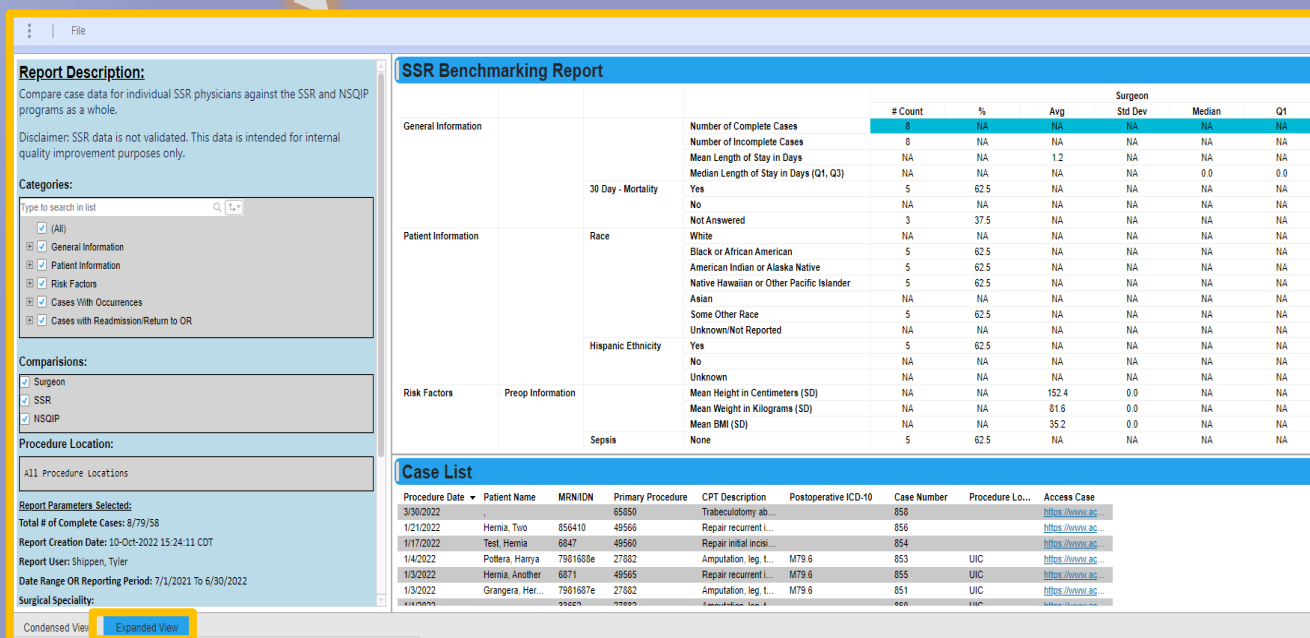
Procedure Location:  VA  USC  Northwestern University  UCLA

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**Step 5:** While the report is loading, a spinning wheel and verbiage “Data is still loading” is visible. It will disappear once the report is fully loaded. *Disclaimer: The SSR data is not validated. The data is intended for quality improvement purposes only.*



**Step 6:** When choosing the expanded view, more details will display. Now click back on “Condensed view” and choose “Open in New Window.”



# SSR Benchmarking Report – User Guide

**Report Description:**  
Compare case data for individual SSR physicians against the SSR and NSQIP programs as a whole.

Disclaimer: SSR data is not validated. This data is intended for internal quality improvement purposes only.

[Open in New Window](#)

You can open the report in a new window for a larger view of the report data.

**Step 7:** Analyze and review your data. There are three columns: Surgeon individual data, SSR aggregated data, and NSQIP aggregated data. Be sure to review your surgical individual preop risk factors, postoperative outcomes and occurrences data, as well as comparing these data points to the SSR aggregated and NSQIP aggregated data. Are you finding trends over time?

SSR Benchmarking Report		Surgeon	SSR	NSQIP	
		#(%)	#(%)	#(%)	
General Information	Number of Complete Cases	16	274823	584289	
	Number of Incomplete Cases	26	125203	40033	
	Mean Length of Stay in Days	2.8	2.8	2.9	
	Median Length of Stay in Days (Q1, Q3)	1.0 (1.00, 2.00)	0.0 (0.00, 2.00)	1.0 (0.00, 3.00)	
	30 Day - Mortality	Yes 1 (6.3%) No 15 (93.8%) Not Answered NA	1256 (0.5%) 172320 (62.7%) 101245 (36.8%)	5633 (1.0%) 378669 (99.2%)	
Patient Information	Race	White	5 (31.3%)	99359 (36.2%)	368805 (63.1%)
		Black or African American	7 (43.8%)	16459 (6.0%)	56626 (9.7%)
		American Indian or Alaska Native	4 (25.0%)	806 (0.3%)	4655 (0.8%)
		Native Hawaiian or Other Pacific Islander	3 (18.8%)	369 (0.1%)	2058 (0.4%)
		Asian	2 (12.5%)	2703 (1.0%)	21460 (3.7%)
	Hispanic Ethnicity	Some Other Race	2 (12.5%)	1882 (0.7%)	12270 (0.9%)
		Unknown/Not Reported	NA	5188 (1.9%)	120850 (20.7%)
		Yes	8 (50.0%)	16918 (6.2%)	88088 (9.9%)
		No	1 (6.3%)	81788 (22.8%)	421095 (60.0%)
		Unknown	1 (6.3%)	4029 (1.5%)	105104 (0.0%)
Risk Factors	Preop Information	Mean Height in Centimeters (SD)	168.5 (12.89)	167.7 (16.89)	168.3 (10.48)
		Mean Weight in Kilograms (SD)	65.0 (8.98)	63.2 (28.88)	64.3 (22.17)
		Mean BMI (SD)	23.7 (4.25)	25.1 (10.33)	29.0 (7.19)
	Sepsis	None	13 (81.3%)	136915 (49.8%)	547794 (63.8%)
		SIRS	NA	2826 (1.0%)	20883 (3.8%)
		Sepsis	NA	1953 (0.7%)	12748 (2.2%)
		Septic shock	NA	878 (0.3%)	2864 (0.5%)
		Not Answered	3 (18.8%)	13249 (4.8%)	NA
	Diabetes Mellitus	No	12 (75.0%)	121202 (44.1%)	492854 (64.4%)
		Non-insulin	NA	13048 (4.7%)	61449 (10.5%)
		Insulin	1 (6.3%)	6827 (2.5%)	29986 (5.1%)
	Current Smoker	Not Answered	3 (18.8%)	133746 (48.7%)	NA
		Yes	1 (6.3%)	12234 (4.5%)	78592 (13.5%)
	Functional Health Status	No	12 (75.0%)	129223 (47.0%)	509697 (69.2%)
		Not Answered	3 (18.8%)	133366 (48.5%)	NA
Independent		12 (75.0%)	120227 (43.7%)	562300 (96.2%)	
	Partially dependent	1 (6.3%)	3333 (3.0%)	12280 (2.1%)	
	Totally dependent	NA	5229 (0.9%)	2256 (0.4%)	
	Unknown	NA	153 (0.1%)	7473 (1.3%)	

Scroll down to view and analyze all data points

## Postoperative outcomes and occurrences

SSR Benchmarking Report		Surgeon	SSR	NSQIP	
		#(%)	#(%)	#(%)	
Cases With Occurrences	Postop Occurrence Rate	100.0%	63.3%	13.8%	
	Total # of Completed Cases with Occurrences Documented	16 (100.0%)	173150 (63.0%)	80347 (13.8%)	
	Total # of Completed Cases with zero (no) Occurrences Documented	4 (25.0%)	169268 (61.6%)	503942 (86.2%)	
	Total # of Completed Cases with Occurrences Not Answered	NA	100810 (36.7%)	NA	
Cases With Wound Occurrences	Superficial incisional SSI	4 (25.0%)	315 (0.1%)	10265 (1.8%)	
	Deep incisional SSI	2 (12.5%)	135 (0.0%)	1890 (0.3%)	
	Organ Space SSI	3 (18.8%)	267 (0.1%)	9949 (1.7%)	
	Wound disruption	1 (6.3%)	177 (0.1%)	2248 (0.4%)	
Cases With Respiratory Occurrences	Pneumonia	1 (6.3%)	133 (0.0%)	6192 (1.1%)	
	Unplanned intubation	1 (6.3%)	86 (0.0%)	3084 (0.5%)	
	Pulmonary embolism	1 (6.3%)	29 (0.0%)	2018 (0.3%)	
	On ventilator > 48 hours	2 (12.5%)	166 (0.1%)	4402 (0.8%)	
Cases With Urinary Tract Occurrences	Progressive renal insufficiency	2 (12.5%)	21 (0.0%)	13239 (2.3%)	
	Acute renal failure	1 (6.3%)	98 (0.0%)	1312 (0.2%)	
Cases With CNS Occurrences	Urinary tract infection	1 (6.3%)	35 (0.0%)	7571 (1.3%)	
	Stroke/CVA	2 (12.5%)	39 (0.0%)	1051 (0.2%)	
Cases With Other Occurrences	Cardiac arrest requiring CPR	2 (12.5%)	48 (0.0%)	1582 (0.3%)	
	Myocardial infarction	1 (6.3%)	24 (0.0%)	2302 (0.4%)	
	Blood transfusion	1 (6.3%)	174 (0.1%)	22732 (3.9%)	
	Vein thrombosis requiring therapy	1 (6.3%)	43 (0.0%)	3154 (0.5%)	
	C. diff colitis	2 (12.5%)	22 (0.0%)	1474 (0.3%)	
	Sepsis	2 (12.5%)	80 (0.0%)	9319 (1.6%)	
	Septic shock	1 (6.3%)	75 (0.0%)	5212 (0.9%)	
Cases with Readmission/Return to OR	30-Day Readmission	Yes	5 (31.3%)	1168 (0.4%)	27020 (4.6%)
		No	11 (68.8%)	172321 (62.7%)	587269 (95.4%)
	Unplanned Readmission	Not Answered	NA	101403 (36.9%)	NA
		Yes	2 (12.5%)	1028 (0.4%)	26153 (4.5%)
	Readmission Related to Primary Procedure	No	NA	17 (0.0%)	909 (0.2%)
		Not Answered	14 (87.5%)	273781 (99.6%)	587269 (95.4%)
		Yes	1 (6.3%)	634 (0.2%)	18043 (3.1%)
	30-Day Unplanned Return to OR	No	1 (6.3%)	281 (0.1%)	5152 (0.9%)
		Not Answered	14 (87.5%)	273912 (99.7%)	581449 (98.1%)
	Unplanned Return to OR Related to Primary Procedure	Yes	9 (56.3%)	1256 (0.5%)	13878 (2.4%)
No		7 (43.8%)	172262 (62.7%)	570411 (97.6%)	
Not Answered		NA	101305 (36.9%)	NA	
	Yes	NA	7 (0.0%)	11046 (1.9%)	
	No	NA	1 (0.0%)	1661 (0.3%)	
	Not Answered	16 (100.0%)	274815 (100.0%)	571820 (97.9%)	

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**Step 8:** Note, you can see the procedure locations in the case list view.

**Report Description:**  
Compare case data for individual SSR physicians against the SSR and NSQIP programs as a whole.  
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[Open in New Window](#)

**Categories:**  
Type to search in list: [ ] [v] [x]  
 (All)  
 General Information  
 Patient Information  
 Risk Factors  
 Cases With Occurrences  
 Cases with Readmission/Return to OR

**Comparisons:**  
 Surgeon  
 SSR  
 NSQIP

**Procedure Location:**  
 All Procedure Locations

**Report Parameters Selected:**  
 Total # of Complete Cases: 8/79/58  
 Report Creation Date: 10-Oct-2022 16:11:05 CDT

**SSR Benchmarking Report**

	Surgeon	SSR	NSQIP
	#(%)	#(%)	#(%)
<b>General Information</b>			
Number of Complete Cases	8	79	58
Number of Incomplete Cases	8	18	NA
Mean Length of Stay in Days	1.2	1.2	2.1
Median Length of Stay in Days (Q1, Q3)	0.0 (0.00, 2.00)	0.0 (0.00, 2.00)	1.0 (0.00, 2.00)
<b>Patient Information</b>			
30 Day - Mortality			
Yes	5 (62.5%)	6 (7.6%)	2 (3.4%)
No	NA	9 (11.4%)	56 (96.6%)
Not Answered	3 (37.5%)	64 (81.0%)	NA
White	NA	23 (29.1%)	34 (58.6%)
Black or African American	5 (62.5%)	18 (22.8%)	12 (20.7%)
American Indian or Alaska Native	5 (62.5%)	14 (17.7%)	4 (6.9%)
Native Hawaiian or Other Pacific Islander	5 (62.5%)	6 (7.6%)	1 (1.7%)
Asian	NA	7 (8.9%)	10 (17.2%)
Some Other Race	5 (62.5%)	5 (6.3%)	2 (0.0%)
Unknown/Not Reported	NA	1 (1.3%)	1 (1.7%)
Hispanic Ethnicity			
Yes	5 (62.5%)	19 (24.1%)	26 (44.8%)
No	NA	21 (26.6%)	30 (0.0%)
Unknown	NA	1 (1.3%)	2 (0.0%)
<b>Risk Factors</b>			
Preop Information			
Mean Height in Centimeters (SD)	152.4 (0.00)	157.2 (12.81)	172.8 (26.28)
Mean Weight in Kilograms (SD)	81.6 (0.00)	83.3 (17.84)	94.9 (42.51)
Mean BMI (SD)	35.2 (0.00)	34.0 (8.24)	32.2 (13.00)
Sepsis			
None	5 (62.5%)	35 (44.3%)	52 (89.7%)
cid c	N/A	N/A	2 (5.7%)

**Case List**

Procedure Date	Patient Name	MRN/IDN	Primary Procedure	CPT Description	Postoperative ICD-10	Case Number	Procedure Location	Access Case
1/4/2022	Pottera, Harya	7961688e	27882	Amputation, leg...	M79.6	853	UIC	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
1/3/2022	Hernia, Another	6871	49565	Repair recurrent i...	M79.6	855	UIC	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
1/3/2022	Grangeria, Her...	7981687e	27882	Amputation, leg...	M79.6	851	UIC	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
1/1/2022		33652	27882	Amputation, leg...		860	UIC	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
1/1/2022		6817	27882	Amputation, leg...		859	UIC	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>

All headers in the Case List view are sortable.

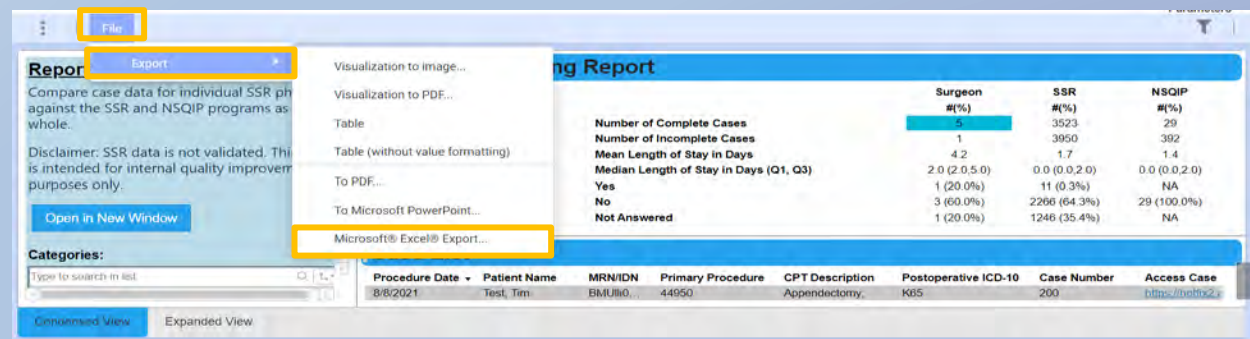
**Case List**

Procedure Date	Patient Name	MRN/IDN	Primary Procedure	CPT Description	Postoperative ICD-10	Case Number	Procedure Location	Access Case
8/12/2022	Test, July, Jane	July tes...	58060	Laparoscopy, sur...		306	Northwestern ...	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
8/1/2022			48155	Pancreatectomy, ...		309	HQ Surgical	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
7/7/2022	Test, Joel	1232	44960	Appendectomy; f...		307	Northwestern ...	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
3/18/2022			44960	Appendectomy; f...	K35.2	303	NorthShore H...	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
2/4/2022			47600	Cholecystectomy;	G56	271		<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
1/26/2022			44970	Laparoscopy, sur...	K50	300	UCLA	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
1/18/2022			44970	Laparoscopy, sur...	K36	296	UIC	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
1/13/2022			44970	Laparoscopy, sur...	D50	302	UCLA	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
1/13/2022	Test, Jim	1212	44970	Laparoscopy, sur...	D50	286	UIC	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
1/12/2022	Test, Joe	123243	44970	Laparoscopy, sur...	K60.0	285	UIC	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>
1/7/2022	Test, Jane	4132	44950	Appendectomy	K65	283	UIC	<a href="https://www.acsdatapla...">https://www.acsdatapla...</a>

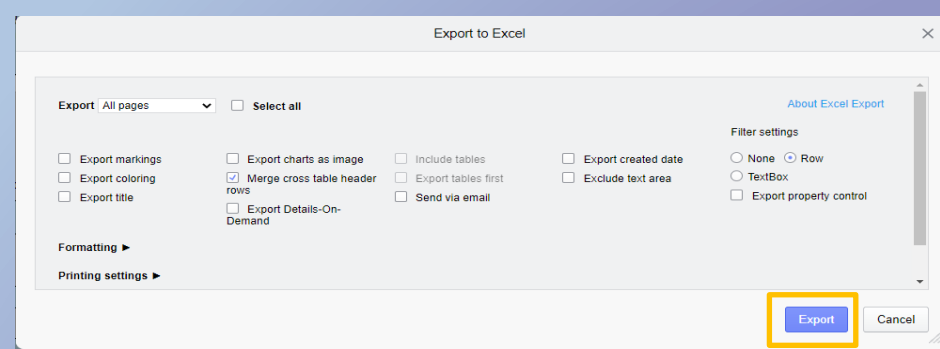
## SSR Benchmarking Report – User Guide

### How to Download the Benchmarking Report

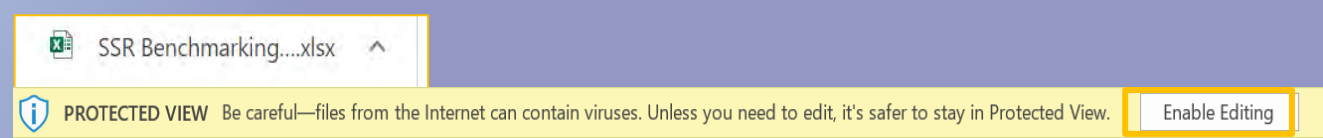
**Step 1:** After the report is fully loaded, to download the report data click on “File,” “Export,” and choose “Microsoft Excel Export.” This can be helpful to further review and analyze your data in Excel.



**Step 2:** Click on “Export.”



**Step 3:** The data will download in Excel. Open the file and click on “Enable Editing.”



**Step 4:** Now you can view the data in Excel and further analyze it as needed.

	NA	NA	Surgeon #(%)	SSR #(%)	NSQIP #(%)
		Number of Complete Cases	5	3523	29
		Number of Incomplete Cases	1	3950	392
		Mean Length of Stay in Days	4.2	1.7	1.4
		Median Length of Stay in Days (Q1, Q3)	2.0 (2.0,5.0)	0.0 (0.0,2.0)	0.0 (0.0,2.0)
30 Day - Mortality		Yes	1 (20.0%)	11 (0.3%)	NA
		No	3 (60.0%)	2266 (64.3%)	29 (100.0%)
		Not Answered	1 (20.0%)	1246 (35.4%)	NA
Sepsis		Mean Height in Centimeters (SD)	172.0 (11.6)	167.9 (15.6)	169.0 (11.5)
		Mean Weight in Kilograms (SD)	59.2 (5.0)	84.1 (29.4)	83.7 (27.6)
		Mean BMI (SD)	20.4 (4.3)	30.7 (8.3)	28.8 (7.6)
		None	1 (20.0%)	1873 (53.2%)	23 (79.3%)
		SIRS	1 (20.0%)	48 (1.4%)	4 (13.8%)
Diabetes Mellitus		Sepsis	1 (20.0%)	24 (0.7%)	2 (6.9%)
		Septic shock	1 (20.0%)	16 (0.5%)	NA
		Not Answered	1 (20.0%)	1562 (44.3%)	NA
		No	2 (40.0%)	1676 (47.6%)	18 (62.1%)
Current Smoker		Non-insulin	1 (20.0%)	172 (4.9%)	7 (24.1%)
		Insulin	1 (20.0%)	112 (3.2%)	4 (13.8%)
		Not Answered	1 (20.0%)	1563 (44.4%)	NA
Functional Health Status		Yes	1 (20.0%)	195 (5.5%)	3 (10.3%)
		No	3 (60.0%)	1791 (50.8%)	26 (89.7%)
		Not Answered	1 (20.0%)	1537 (43.6%)	NA
		Independent	1 (20.0%)	1567 (44.5%)	24 (82.8%)
		Partially dependent	1 (20.0%)	118 (3.3%)	3 (10.3%)
		Totally dependent	2 (40.0%)	113 (3.2%)	2 (6.9%)
	Unknown	NA	3 (0.1%)	NA	
	Not Answered	1 (20.0%)	1722 (48.9%)	NA	
		Oxygen Support - Yes	1 (20.0%)	7 (0.2%)	2 (6.9%)

**Warning:** Report data may contain sensitive information and should be stored securely following privacy regulations.

For any questions, please contact the SSR Team at [ssr@facs.org](mailto:ssr@facs.org).