

Cento Office Hours – Advanced Concepts

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Click <u>here</u> to watch the recording of Cento Office Hours – Advanced Concepts.

How to Calculate Data – (such as length of stay on a report)

Step 1) To calculate the LOS (Length of Stay) on a new report, select New Report from the dashboard. Under the Report Fields header, you can select your report fields. The example below shows Report Fields from the STS Adult Cardiac Surgery v4.20 form.

	5 Finish
Sample New Data Form Sean Creation Test	Selected Depart Fields
Stan Creation Test STS Adult Cardiac 2.9 + CCORP 7.0	Selected Report Fields
STS Adult Cardiac 4.20 + CCORP 8.3	Patient Last Name [50: PatLName]
STS Adult Cardiac Stock Question Bank STS Adult Cardiac Stock Question Bank	
STS Adult Cardiac Surgery v2.35 STS Adult Cardiac Surgery v2.44	
STS Adult Cardiac Surgery v2.41 STS Adult Cardiac Surgery v2.52	Patient Last Name [50: PatLName] (2)
STS Adult Cardiac Surgery v2.52 STS Adult Cardiac Surgery v2.61	
STS Adult Cardiac Surgery v2.61 STS Adult Cardiac Surgery v2.73	Hospital Name [205: HospName]
STS Adult Cardiac Surgery v2.75 STS Adult Cardiac Surgery v2.81	hospitar warne [200. hospitalne]
STS Addit Cardiac Surgery V2.9	
STS Adult Cardiac Surgery v2.9	Admit Date [305: AdmitDt]
 STS Adult Cardiac Surgery v4.20 STS Adult Cardiac Surgery v4.20 	
STS Adult Cardiac Surgery v4.20	
A Administrative	Date of Surgery [310: SurgDt]
B. Demographics	
C. Hospitalization	Hospital Discharge Date [7006: DischDt]
Hospital Name [205: HospName]	hospital Discharge Date [7008. Discribi]
Hospital ZIP Code [210: HospZIP]	
Hospital Region [215: HospStat]	Surgeon [1955: Surgeon]
Hospital National Provider Identifier [220: HospNPI]	о. о <i>г</i>
Hospital CMS Certification Number [221: HospCMSCert]	
Primary Payor [291: PayorPrim]	Risk Model Population (Procld)
Commercially Managed Medicare Plan - Primary [292: ComMngMedPInPrim]	
LICN / MEL Known Drimony (202) LICNMELKnown1	

Step 2) Under the Filters header, select the STS Adult Cardiac Surgery v4.20 to make sure the data is limited to that data form only.

Sample New Data Form Sean Creation Test STS Adult Cardiac 2.9 + CCORP 7.0	Selected Filters	
STS Adult Cardiac 2.5 + CCORP 7.5 STS Adult Cardiac 4.20 + CCORP 8.3 STS Adult Cardiac Stock Question Bank	STS Adult Cardiac Surgery v4.20 is Yes	
STS Adult Cardiac Surgery v2.35STS Adult Cardiac Surgery v2.41		
STS Adult Cardiac Surgery v2.52 STS Adult Cardiac Surgery v2.61		
 STS Adult Cardiac Surgery v2.73 STS Adult Cardiac Surgery v2.81 STS Adult Cardiac Surgery v2.9 		
 STS Adult Cardiac Surgery V2.9 STS Adult Cardiac Surgery v4.20 STS Adult Cardiac Surgery v4.20 		
STS Adult Cardiac Surgery v4.20		
No Is empty		
Is not empty		



Step 3) You can select your desired time under the Time Frame header and select specific values as well.

New Repo	rt		<
1 Report Type	2 Report Fields 3 Filters 4 Time Frame 5 Finish		
Choose Time	Frame		
The value of Date of Surgery [310: S	suraDti		v
Time Frame type	Custom period	Standard periods	
Fixed	Was on or after	• 2022	
O Relative	mm/dd/yyyy	20212020	
	Was on or before	2019 2018	
	mm/dd/yyyy	• 2017	
		• 2016 • 2015	
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		• 2012 • 2011	
		• 2010	
		• 2009	
		20082007	
		• 2006	

Step 4) Under the Finish header, you can name and save the report template, then run the report.

New Report		۵.
1 Report Type 2 Report Fields 3 F	ilters 4 Time Frame 5 Finish	
Report Summary	Graphs 🔓	Save Template
Туре	Graph Type	Report Template Name
Simple	○ none	STS 4.20 - LOS
Report Fields		🖺 Save Template
 Patient Last Name [50: PatLName] Patient Last Name [50: PatLName] (2) Hospital Name [205: HospName] Admit Date [305: AdmitDt] 		Run Report Output Format
 Date of Surgery [310: SurgDt] Hospital Discharge Date [7006: DischDt] Surgeon [1955: Surgeon] Risk Model Population (Procld) 		Same Window 🔹
Filters		
STS Adult Cardiac Surgery v4.20 is Yes		
Time Frame		
Date of Surgery [310: SurgDt]		
Import template Export template		



Step 5) The screenshot below is what the report will look like based on the fields and filters that were selected.

Cento All Report Templates	New Report Admini ration				DEX	TER2\mstockton Log O
Home / All Report Templates /	Run report					
Ad Hoc: STS 4 Executed 11/11/2022 8:54 PM Report Filters					🗋 Edit Report 🛛 🖺 Save	Template O Download
 STS Adult Cardiac Surgery v4.20 i 	s yes					Total Results: 52
Drag a column header here to group	by that column					Q Search
Patient Last Name [50: PatLName]	Patient Last Name [50: PatLName] (2)	Hospital Name [205: HospName]	Admit Date [305: AdmitDt]	Date of Surgery [310: SurgDt]	Hospital Discharge Date [7006: DischDt]	Surgeon [1955: Surgeo
Q	٩	۹	۹ 🖬		٩ ٢	1 Q
test	test	NCDR Test Facility (Submission)	11/3/2022 8:12 AM	11/3/2022 8:12 AM		
NEW	NEW	Hospital Inc.	12/7/2021 5:31 PM	12/7/2021 5:31 PM		
Patient	Patient	Cedaron Medical	8/13/2022 3:10 PM	8/14/2022 3:11 PM	8/15/2022 12:00 AM	
Smith	Smith	Alpha Hospital	10/28/2022 8:42 AM	10/28/2022 8:42 AM	10/28/2022 12:00 AM	
ACOSTA	ACOSTA	Cedaron Heart Health	4/28/2021 4:34 PM	4/29/2021 4:34 PM	4/29/2020 12:00 AM	
ACOSTA	ACOSTA	Hospital Inc.	6/8/2022 4:00 AM	6/8/2022 5:04 PM	9/28/2022 12:00 AM	
BRITT	BRITT	Harvest Test - Cath/CPMI/ICD/AFib	1/24/2022 7:05 AM	1/24/2022 7:05 AM	1/27/2022 12:00 AM	Practitioner Test (1234
ABRAMS	ABRAMS	Hospital Inc.	8/14/2021 11:05 AM	8/15/2021 11:05 AM	8/16/2021 12:00 AM	
ABRAMS	ABRAMS	Cedaron Heart Health	7/23/2020 1:23 PM	7/29/2020 1:23 PM	8/13/2020 12:00 AM	Jay Jacker (231451253)
ACEVEDO	ACEVEDO	Cedaron Heart Health	6/6/2022 12:00 AM	6/5/2022 3:40 AM	6/6/2022 12:00 AM	
ACOSTA	ACOSTA	Facility for Harvest Submission Test (fhst)	2/10/2021 12:00 AM	2/10/2021 12:51 AM	9/13/2022 12:00 AM	LOIS HANSON (138660
ACOSTA	ACOSTA	Cedaron Heart Health	9/11/2020 12:00 AM	9/11/2020 8:58 AM		
ACOSTA	ACOSTA	Cedaron Heart Health	7/8/2020 2:46 PM	7/10/2020 2:46 PM		

To calculate the LOS from the admit date to discharge date, you can go back to the Filters header to input the required Report Fields/Filters. Click on the video below for more information. (Use the back arrow to return to the document).

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How to Calculate the Start Time and Create Shortcuts

You can calculate the time frame on a report as well. The example below shows the *OR Entry Date* and *OR Exit date* Report Fields selected.

1 Report Type 2 Report Fields 3 Filters 4 Time Frame	5 Finish
CAB [2120: OpCAB] Aorta Procedure Performed [2123: AortProc] Surgeon Input for Aortic Surgery Data Abstraction [2124: AortProcSurgInput]	Selected Report Fields
Valve [2129: OpValve] Valve Prosthesis Explant [2130: ValExp] VS-Aortic Valve [2131: VSAV]	Patient Last Name [50: PatLName]
AV-Aorta Procedure Performed [2132: AVAortaProcPerf] VS-Mitral Valve [2133: VSMV]	Patient First Name [55: PatFName]
VS-Tricuspid Valve [2134: VSTV] VS-Pulmonic Valve [2135: VSPV] Surgeon Input for Valve Surgery Data Abstraction [2136: OpValSurgInput]	Admit Date [305: AdmitDt]
Mechanical Assist Device / Ventricular Assist Device [2137: MechVentAssi Other Cardiac Procedure, except Afib [2140: OpOCard] Atrial Fibrillation Procedure Performed [2145: AFibProc]	Date of Surgery [310: SurgDt]
Surgeon Input for Other Cardiac Afib Data Abstraction [2146: AFibProcSur Other Cardiac Congenital Except Unicuspid, Bicuspid, or Quadricuspid Val Other Non Card [2155: OpONCard]	Hospital Name [205: HospName]
CPT1Code # 1 [2195: CPT1Code1] CPT-1 Code # 1 [2195: CPT1Code1] CPT-1 Code # 2 [2200: CPT1Code2]	Surgeon [1955: Surgeon]
CPT-1 Code # 3 [2205: CPT1Code3] CPT-1 Code # 4 [2210: CPT1Code4]	Risk Model Population (Procld)
CPT-1 Code # 5 [2215: CPT1Code5] CPT-1 Code # 6 [2220: CPT1Code6] CPT-1 Code # 7 [2225: CPT1Code7]	OR Entry Date And Time [2245: OREntryDT]
CPT-1 Code # 8 [2230: CPT1Code8] CPT-1 Code # 9 [2235: CPT1Code9] CPT-1 Code # 10 [2240: CPT1Code10]	OR Exit Date And Time [2250: ORExitDT]
Add OR Entry Date And Time [2245: OREntryDT] OR Exit Date And Time [2250: ORExitDT] OR Time	

If you hover over the OR Entry Date and Time field and select "Edit", it will bring up the box in the screenshot below. If you select x² Edit Formula, you can copy this information to calculate the values and create an optional shortcut. (See more details on the **Cento Office Hours – Advanced Concepts** recording-Time Stamp 14:30).

OR Entry Date And Time [2245: OREntryDT]		×
Type Date and time		
Column title		
OR Entry Date And Time [2245: OREntryDT]		
Date format		
11/11/2022		-
Time format		
12 hour		-
x ² Edit Formula	Cancel	✓ Apply



How to change your Report Type

If you build a report under one Report Type but would like to change it to a different Report Type, you can do this by selecting your report and editing the report.

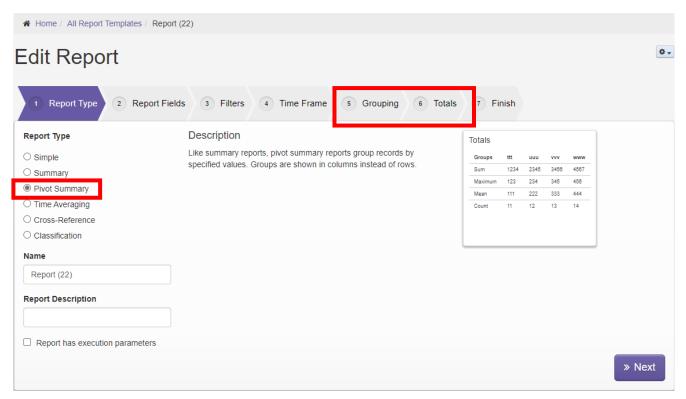
Home / All Report Templates Re	eport (22) Run report								
Report (22) Executed 11/11/2022 10:00 PM			ß						ownload
Drag a column header here to group by	that column							Q Search	
Patient Last Name [50: PatLName]	Patient First Name [55: PatFName]	Admit Date [305: AdmitDt]	Date of Surgery [310: SurgDt]	Ŧ	Hospital Name [205: HospName]	Surgeon [1955: Surgeon]	Risk Model Popu	ulation (Procld)	OR En
Q	Q	۹ 🖬	Q		Q	Q	Q		Q
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Herpson	Harry								
TomsTestLast	TomsTestFirst								
Rocket	Johnny								
Patient	MrPCI								
Robin	Redd								
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Home / All Report Templates / Report (22)		
Report (22)		0.
Report Type Simple Sharing state: Private Report Report Tags <i>*</i>	Output Format Same Window BRUN Report	¥
Report Fields Patient Last Name [50: PatLName] Patient First Name [55: PatFName] Admit Date [305: AdmitDt] Date of Surgery [310: SurgDt] Hospital Name [205: HospName] Surgeon [1955: Surgeon] Risk Model Population (Procld) OR Entry Date And Time [2245: OREntryDT] OR Exit Date And Time [2250: ORExitDT] 		
Report Filters		
Edit Report Copy report template		X Delete report template

This will bring you to the Edit Report headers. The example below shows a Pivot Summary being selected from an existing Simple report. Selecting the Pivot Summary will display two more headers (Grouping and Totals). Grouping



determines what group you want to display the data. This can be summarized by surgeon, risk model, or whatever is required by your workflow.

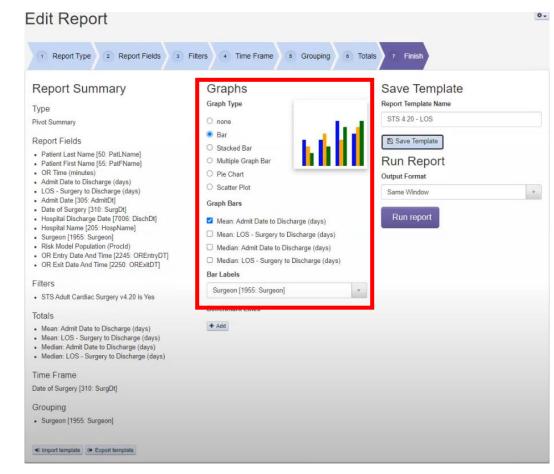


Under the Totals header, you can check information under the standard total for specific calculations. You can select + Add selected totals and it will give you the option to choose your Summary type.

# Home All Report Templates ST	Add total	×	
Edit Report	Report field to summarize Admit Date to Discharge (days), LOS - Surgery to Discharge (days) Summary type		0.
1 Report Type 2 Report	Count	* Q	
	ischDtj REntry0T]		add one, drag or click "Add" on a field nder "Custom Total".
Add selected totals Custom Total Add calculated total			» Next



Under the Finish header you can review everything in your report, as well as adding a Graph Type and selecting your Bar Labels.

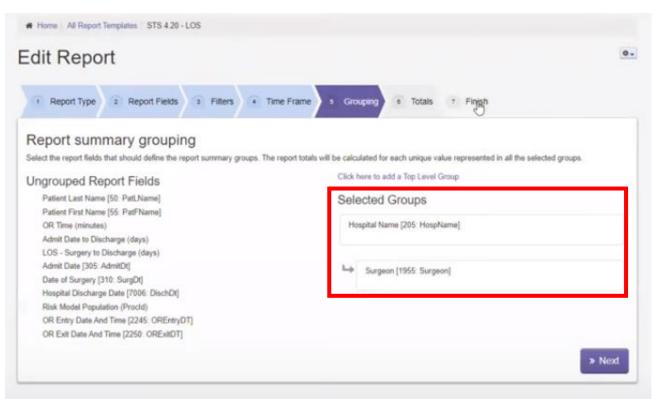


Once you run the report, you can see the Bar Graph is listed by surgeon, and the mean and median of LOS.





If you wanted to look at the groupings by the hospital name, then surgeon, you can go back to the Grouping header and add those specifications.

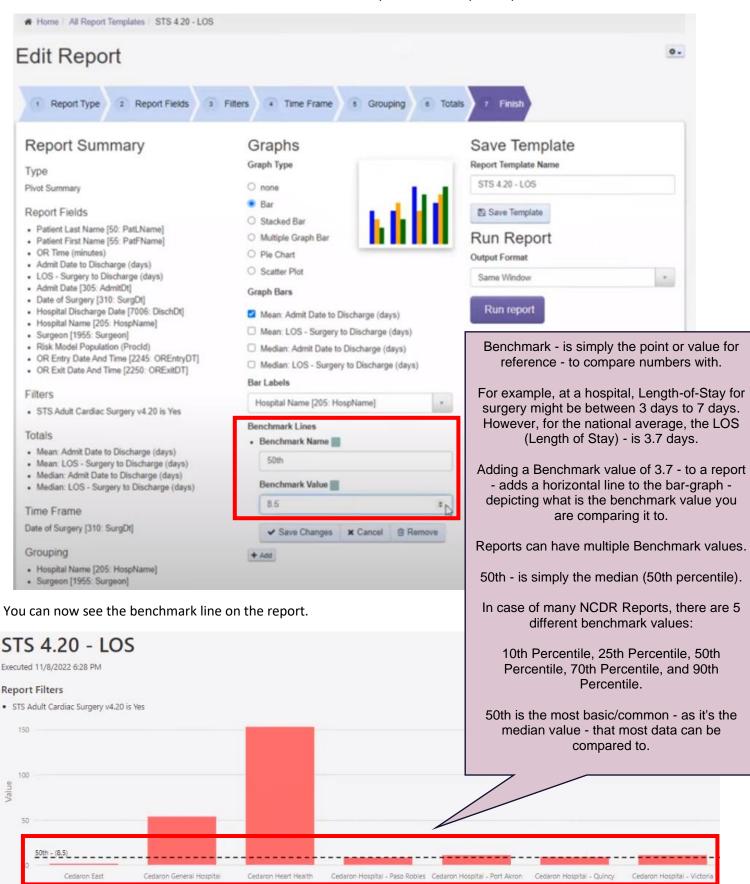


The screenshot below is what this grouping looks like on the report.





You can also add a benchmark line under the "Finish" header if you would like your report to have one.





Repeated Questions

Some reports can have the same information because of multiple answers in CardiacCare. The example below shows what a report looks like for patients with multiple lesions. The report shows the same patient multiple times. This is not an error. (See more details on the **Cento Office Hours – Advanced Concepts** recording-Time Stamp 26:19).

Last Name [2000: † 🕎 LastName]	First Name [2010: FirstName]	Procedure Start Date and Time [7000: ProcedureStartDateTime]	٣	PCI Operator	Lesion Counter [8000: LesionCounter]	Y	Stenosis Immediately Prior to Treatment [8004: StenosisPriorTreat
۹	Q	Q		Q	Q	Q	
ANDERSON	CHRISTOPHER	1/9/2019 1:52 PM					
ANDREWS	HERMAN	2/11/2019 9:43 AM					
ANTHONY	ETHAN	2/21/2019 2:41 PM					
ANTHONY	MARCELINO	4/27/2018 11:40 AM		JORGE JONES (1891183855)	1.00		100.0
ARMSTRONG	GLEN	2/6/2019 12:29 PM					
ARNOLD	TIM	2/12/2019 11:33 AM					
ASHLEY	CLAUDIO	3/25/2018 4:58 PM		CHRISTOPHER WOOD (2002129280)	1.00		100.0
ASHLEY	CLAUDIO	3/25/2018 4:58 PM		CHRISTOPHER WOOD (2002129280)	2.00		100.0
ASHLEY	CLAUDIO	3/30/2018 8:26 AM		CHRISTOPHER WOOD (2002129280)	1.00		80.0
ASHLEY	CLAUDIO	8/16/2018 9:37 AM		GERALD BELL (1325398969)	1.00		100.0
ATKINS	EDMOND	1/15/2019 4:00 PM					
ATKINSON	ISAIAH	1/24/2019 4:28 PM		WILLIAM FOWLER (1416246462)	1.00		100.0
ATKINSON	TRACEY	6/6/2018 2:55 PM	3	JORGE JONES (1891183855)	1.00		100.0
ATKINSON	TRACEY	6/6/2018 2:55 PM		JORGE JONES (1891183855)	2.00		90.0
AUSTIN	RAMON	1/8/2019 3:34 PM					
AVERY	DELMER	9/20/2018 10:52 AM		CHRISTOPHER WOOD (2002129280)	1.00		90.0
AVILA	ELISE	1/30/2019 10:24 AM					
AYALA	STEPHAN	2/16/2019 4:21 PM		GERALD BELL (1325398969)	1.00		70.00
AYALA	STEPHAN	2/16/2019 4:21 PM		GERALD BELL (1325398969)	2.00		95.0
AYALA	STEPHAN	2/18/2019 4:13 PM		CHRISTOPHER WOOD (2002129280)	1.00		85.0
AYALA	STEPHAN	2/18/2019 4:13 PM		CHRISTOPHER WOOD (2002129280)	2.00		85.0
AYERS	MAVIS	2/5/2019 10:38 AM					
BAILEY	MILDRED	3/5/2019 3:44 PM		GERALD BELL (1325398969)	1.00		85.0
BAILEY	MILDRED	3/5/2019 3:44 PM		GERALD BELL (1325398969)	2.00		70.0
BAILEY	MILDRED	3/5/2019 3:44 PM		GERALD BELL (1325398969)	3.00		70.0
BAIRD	SIMONE	12/1/2018 7:50 AM		GERALD BELL (1325398969)	1.00		100.0
BAIRD	SIMONE	12/1/2018 7:50 AM		GERALD BELL (1325398969)	2.00		90.0
BAIRD	SIMONE	12/1/2018 7:50 AM		GERALD BELL (1325398969)	3.00		80.00

Beginners Using Cento

For beginners just getting started with Ad-hoc reporting using Cento, a good technique to use is to take advantage of the flash reports and manipulate them by adding/deleting fields until you get the information exactly how you want it. Also, try building a simple report by adding fields and filters to get familiar with the headers and how they work. *(See more details on the Cento Office Hours – Advanced Concepts recording-Time Stamp 47:05).*