How to Run Health Equity Data

American Heart Association.

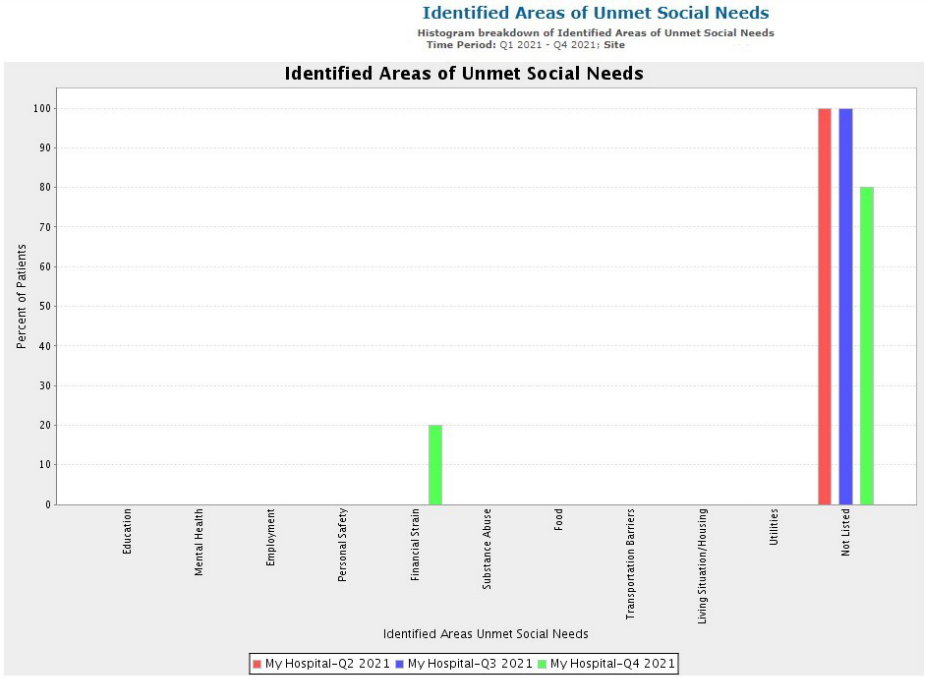
Health Equity Data Elements in the CRF

In line with the latest science and our guidelines, all GWTG registries have new and revised field names and options. You may run reports using these new field names as filters. Below are screenshots of the patient's case report form (CRF) where you can find the data elements relating to health equity:

RACE AND ETHNICITY	
Race (Select all that apply):	☐ American Indian/Alaska Native ☐ Asian [if Asian selected] ☐ Asian Indian ☐ Chinese ☐ Filipino ☐ Japanese ☐ Korean ☐ Vietnamese ☐ Other Asian ☐ Black or African American ☐ Native Hawaiian or Pacific Islander [if native Hawaiian or pacific islander selected] ☐ Native Hawaiian ☐ Guamanian or Chamorro ☐ Samoan ☐ Other Pacific Islander ☐ White ☐ UTD
Hispanic Ethnicity:	○ Yes ○ No/UTD
If Yes,	☐ Mexican, Mexican American, Chicano/a ☐ Puerto Rican ☐ Cuban ☐ Another Hispanic, Latino or Spanish Origin

DEMOGRAPHICS	*Demographics Tab*		
Sex	○ Male ○ Female ○ Unknown		
Patient Gender Identity	○ Male ○ Female ○ Female-to-Male (FTM)/Transgender Male/Trans Man ○ Male-to-Female (MTF)/Transgender Female/Trans Woman ○ Genderqueer, neither exclusively male nor female ○ Additional gender category or other: _____ ○ Did not disclose		
Patient-Identified Sexual Orientation	○ Straight or heterosexual ○ Lesbian or gay ○ Bisexual ○ Queer, pansexual, and/or questioning ○ Something else, please specify: _____ ○ Don't know ○ Declined to answer		
Date of Birth:	____/____/_____	**Age:**	_____
Zip Code:	_____ - _____	☐ Homeless	
Payment Source	☐ Medicare Title 18 ☐ Medicaid – Private/ HMO/ PPO/ Other ☐ Self Pay/ No Insurance ☐ Medicaid Title 19 ☐ Private/ HMO/ PPO/ Other ☐ Other/ Not Documented/ UTD ☐ Medicare – Private/ HMO/ PPO/ Other ☐ VA/ CHAMPVA/ Tricare		
What is the patient's source of payment for this episode of care?	○ Medicare ○ Non-Medicare		

Identified Areas of Unmet Needs

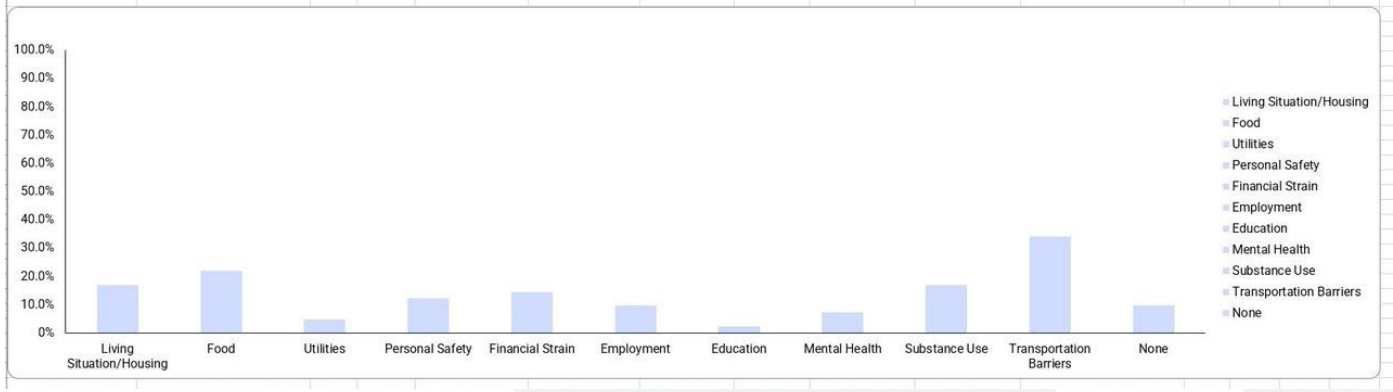


Identified Areas of Unmet Social Needs
Note: Time periods/Categories at the end of the graph and data table have been omitted because there were no patient records during that time.

Benchmark Group	Time Period	Education	Mental Health	Employment	Personal Safety	Financial Strain	Substance Abuse	Food	Transportation Barriers	Living Situation/Housing	Utilities	Not Listed	Total
My Hospital	Q2 2021	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	4 (100%)	4
	Q3 2021	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	9 (100%)	9
	Q4 2021	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (20%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	4 (80%)	5

You can find the Identified Areas of Unmet Needs based on the Health-Related Social Needs Assessment in the "Reporting Measures" bundle.*

Legend	Living Situation/Housing	Food	Utilities	Personal Safety	Financial Strain	Employment	Education	Mental Health	Substance Use	Transportation Barriers	None
My Hospital:-2020	17.1%	22.0%	4.9%	12.2%	14.6%	9.8%	2.4%	7.3%	17.1%	34.1%	9.8%

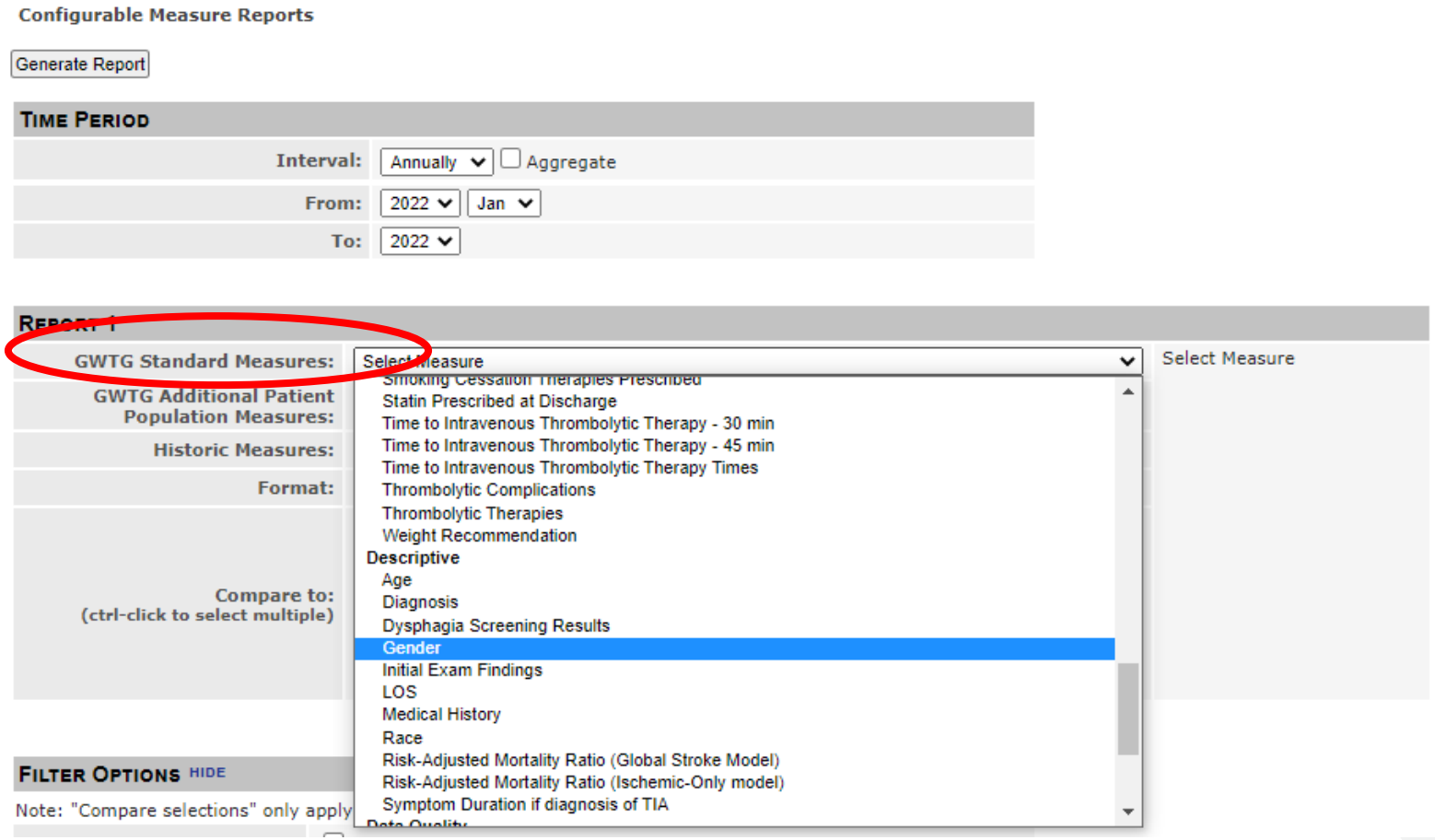


*HF Limited Form Users may not have access to these bundles

PMT

American Heart Association.

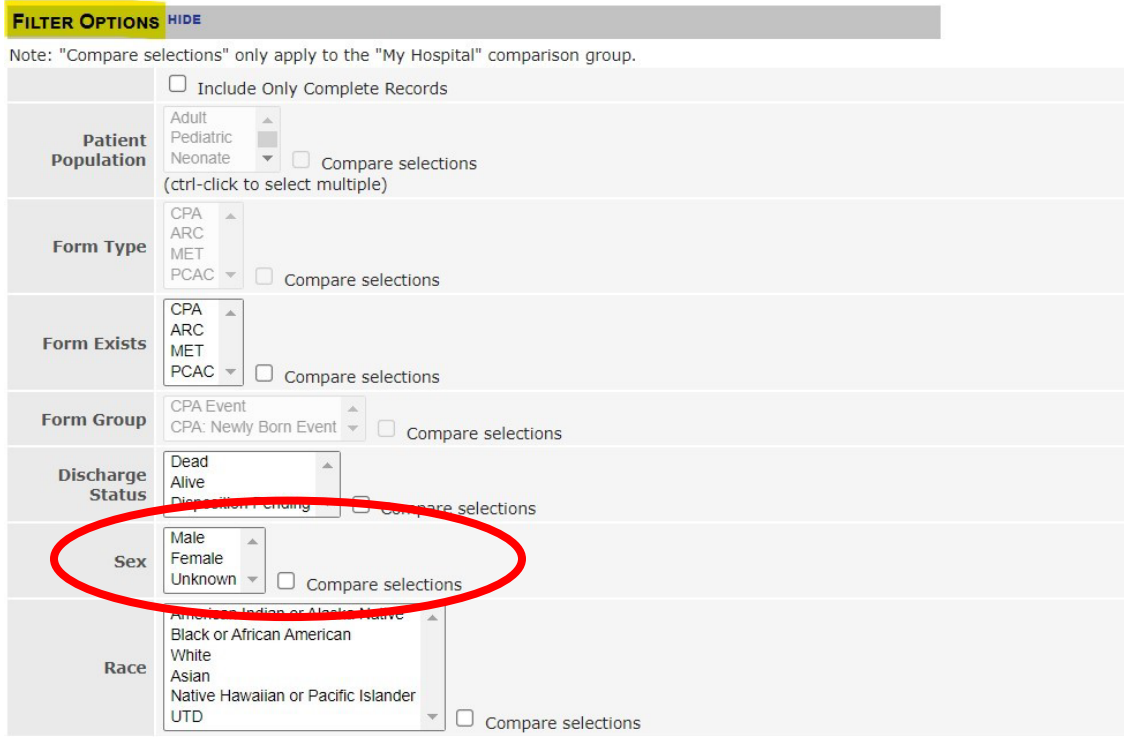
Running Demographics

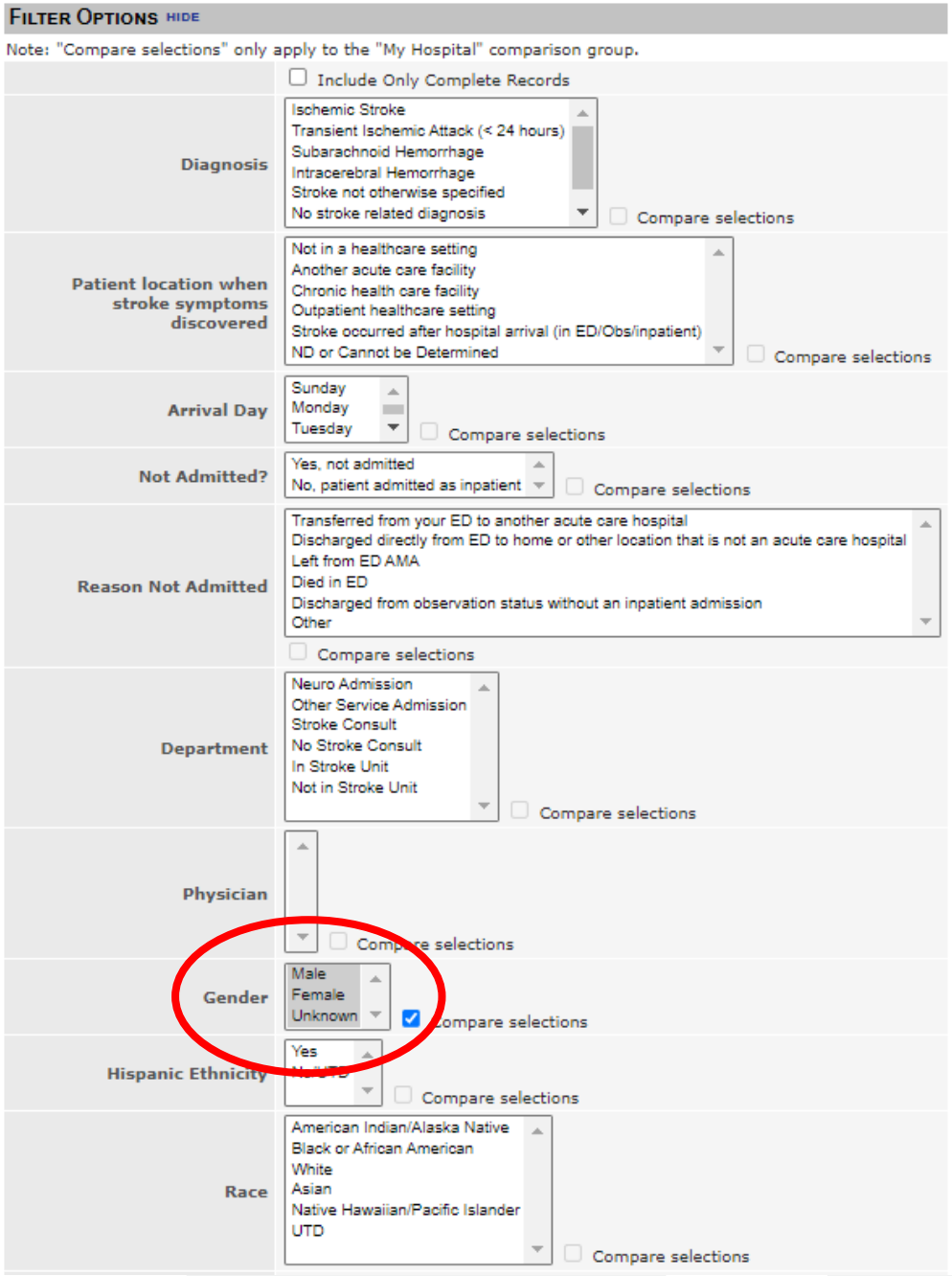


To run general demographic data, you may select them through the "Descriptive Measures" located in the first dropdown menu labeled "GWTG Standard Measures"

Filters

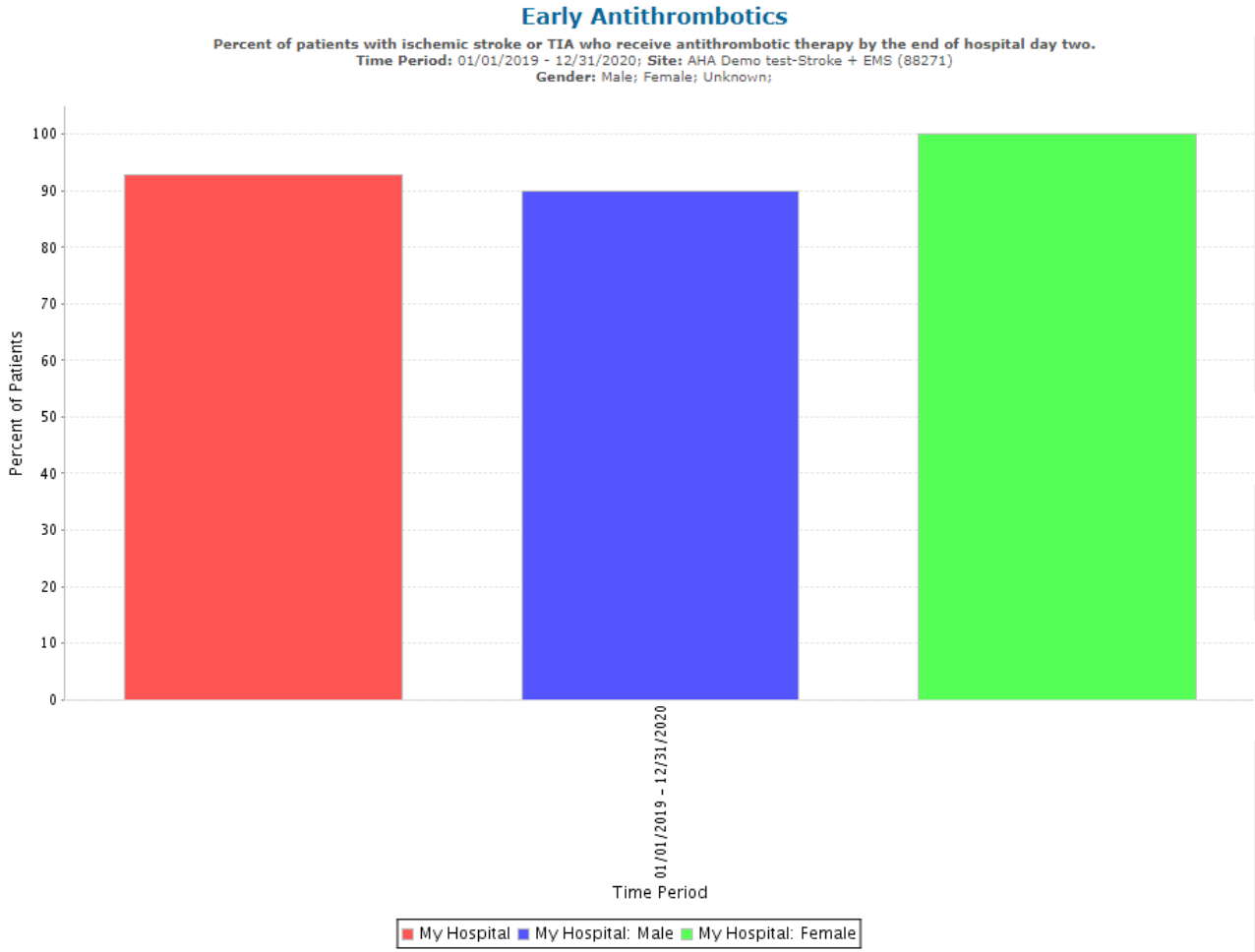
Click “Show” next to “Filter Options” to show you all the options available as comparison variables. To see them compared visually in a graph, be sure to also check “Compare Selections”. I’ve used gender here as an example. After you’ve made your selections, click “Generate Report” to see the bar graphs.





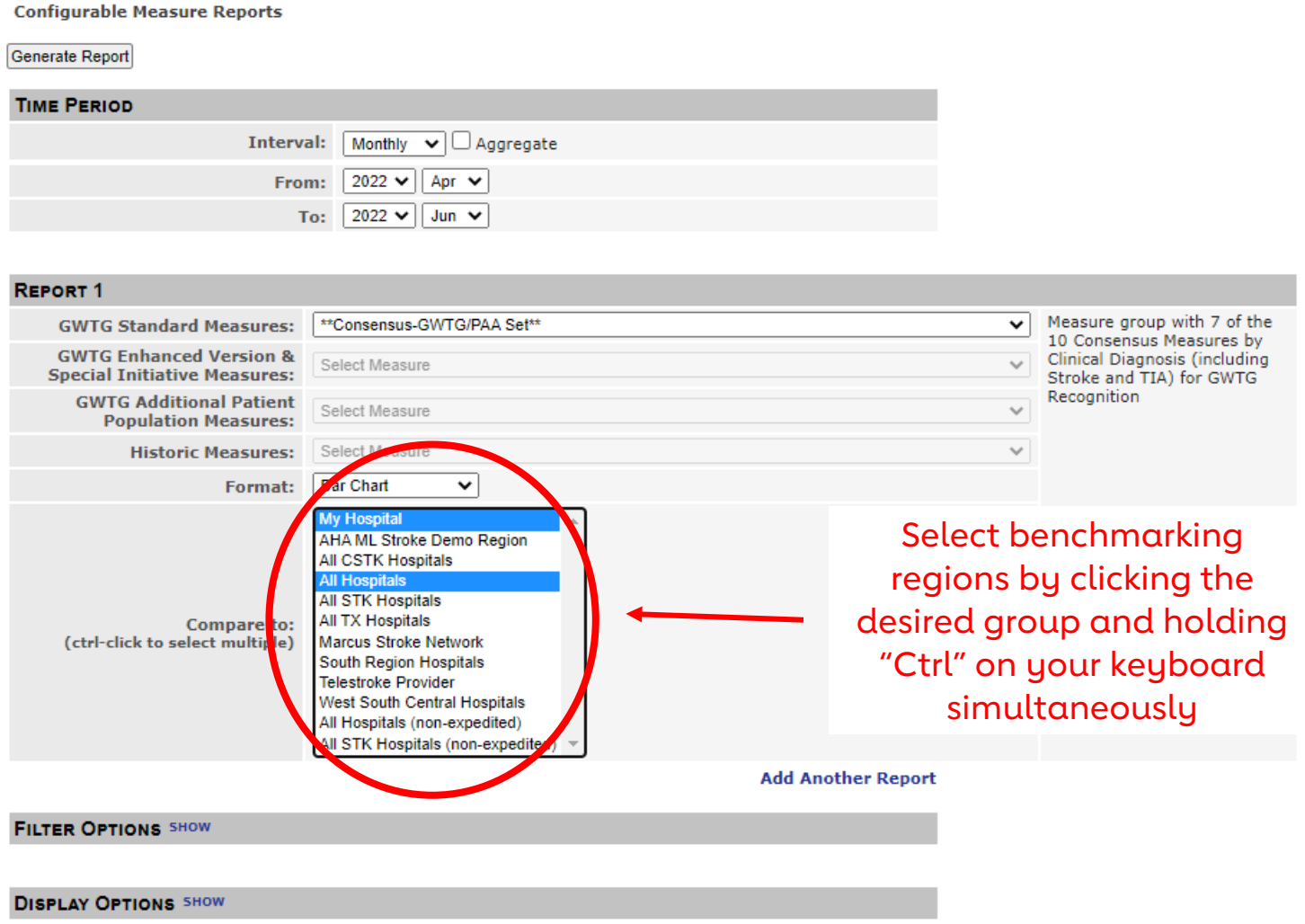
Filters Cont.

In this example, you can see the measure “Early Antithrombotics” is compared by Sex as well as to the full population together.



Early Antithrombotics				
Benchmark Group	**Time Period**	**Numerator**	**Denominator**	**% of Patients**
My Hospital	01/01/2019 - 12/31/2020	13	14	92.9%
My Hospital: Male	01/01/2019 - 12/31/2020	9	10	90.0%
My Hospital: Female	01/01/2019 - 12/31/2020	4	4	100.0%

Benchmarking



Select benchmarking regions by clicking the desired group and holding "Ctrl" on your keyboard simultaneously

As another option, you can use the "Benchmarks" tool to see how your site is doing on any measures compared to other GWTG participating sites across the nation, in your region, or many other options!

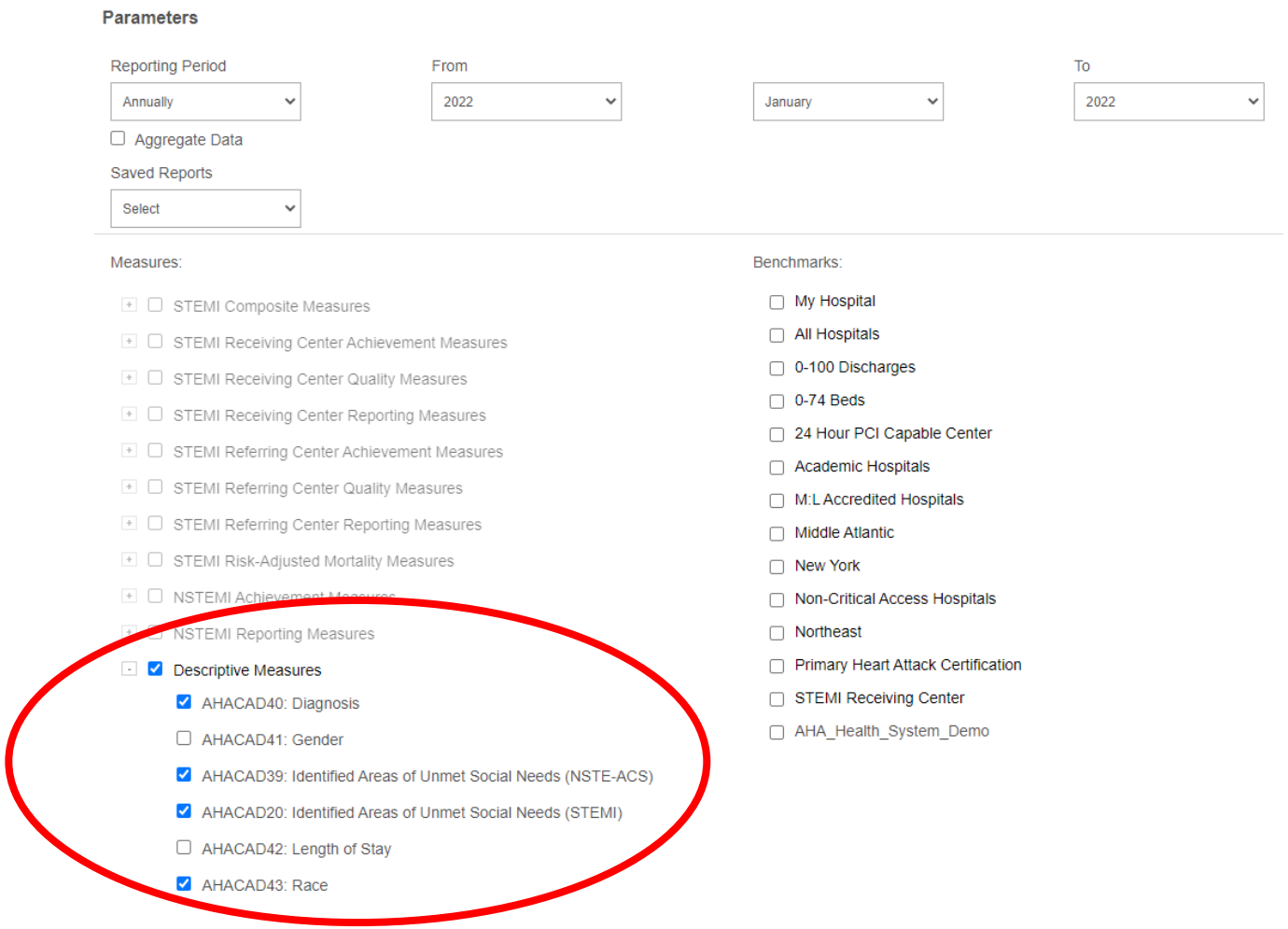
Here, I've selected to see how My Hospital compares to all other GWTG-Stroke participating hospitals in the nation on our Achievement Recognition Measures.

Note: checking a larger region benchmark (like "All Hospitals" may take up to 20 min to load

IRP

American Heart Association.

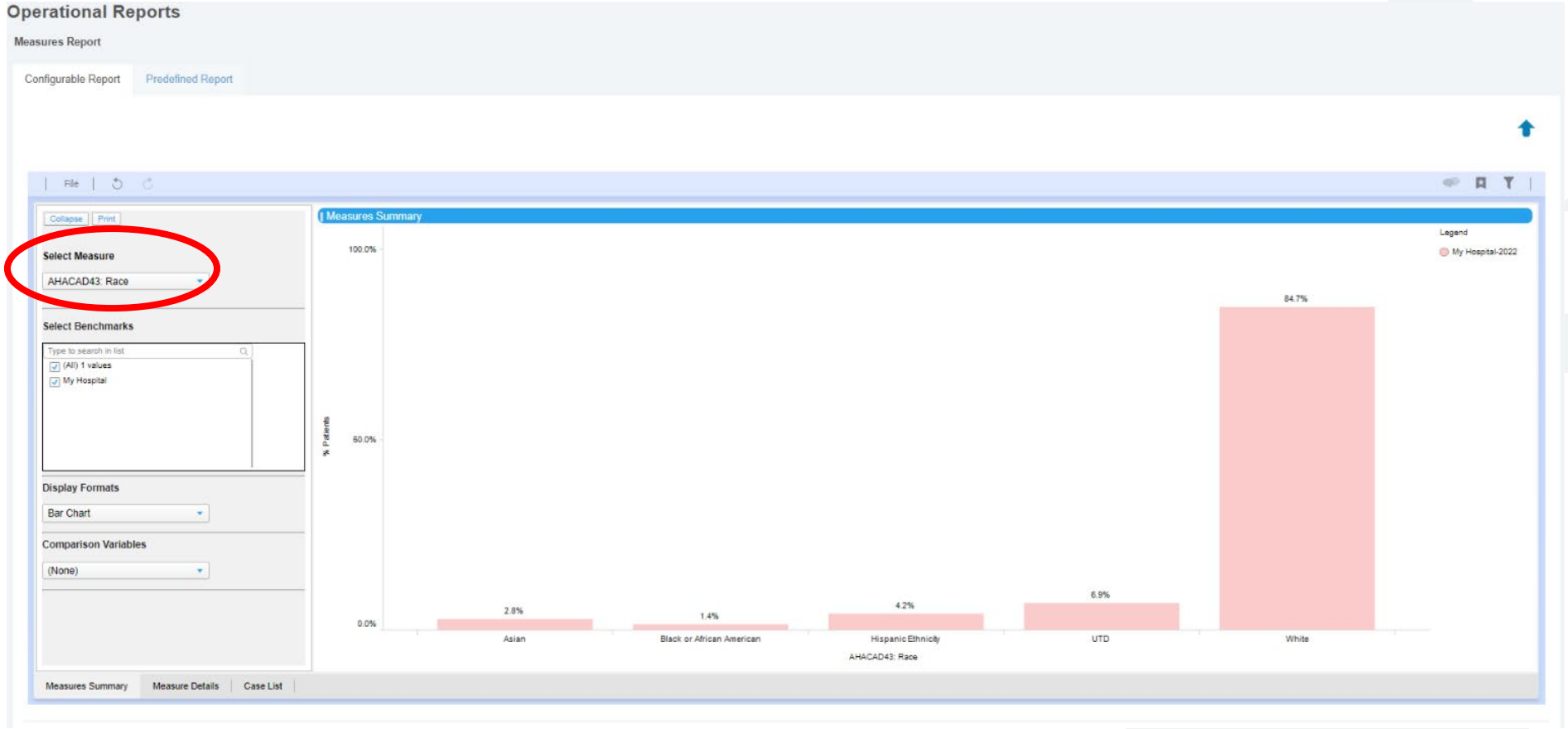
Running Demographics



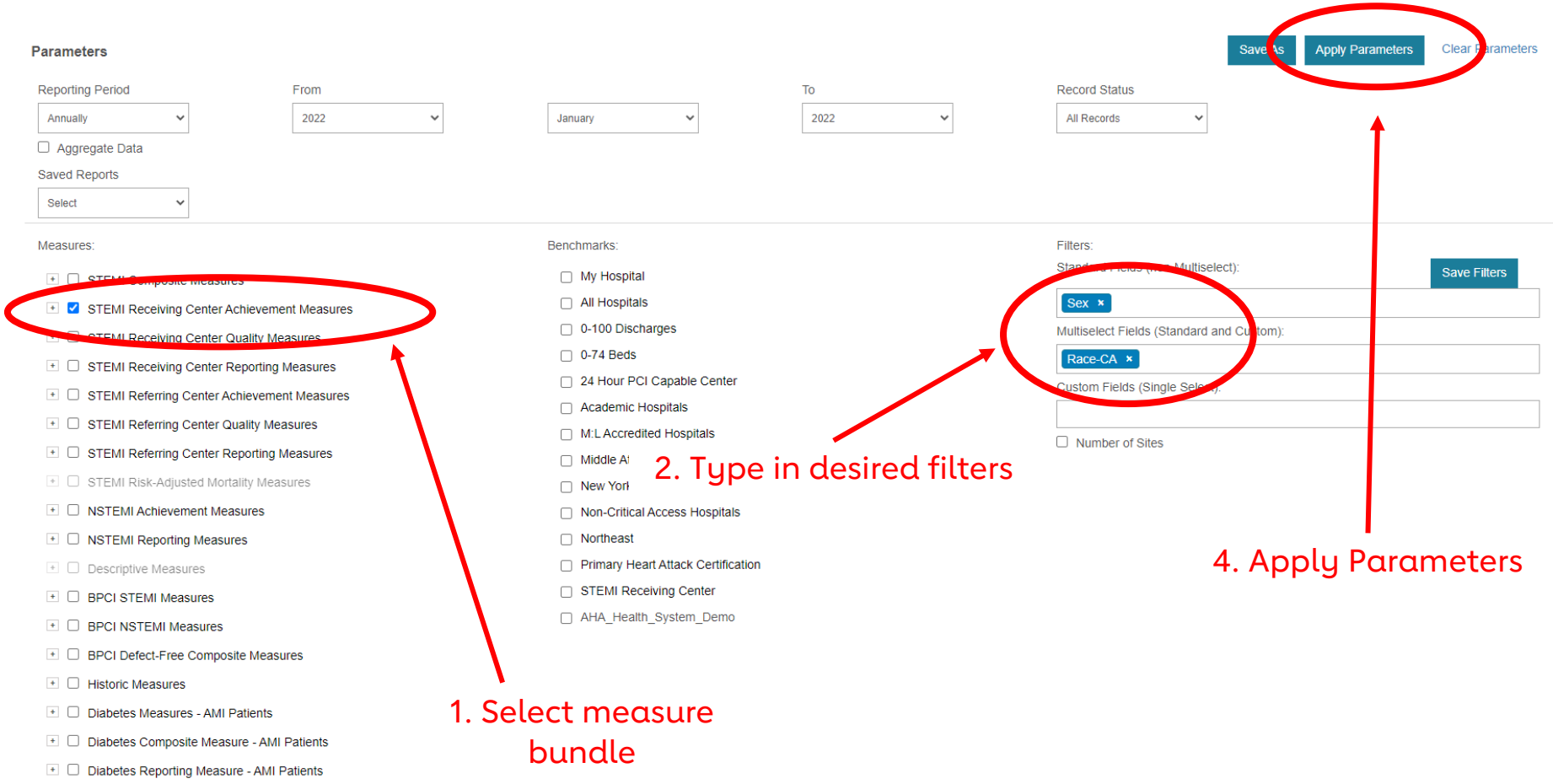
To run general demographic data, you may select them through the "Descriptive Measures" bundle in the Operational Reports section, which can be found on the grey bar on the lefthand side of the screen.

Running Demographics Cont.

Select the measure you'd like to display on the graph, and you should be able to see the demographic breakdown from there



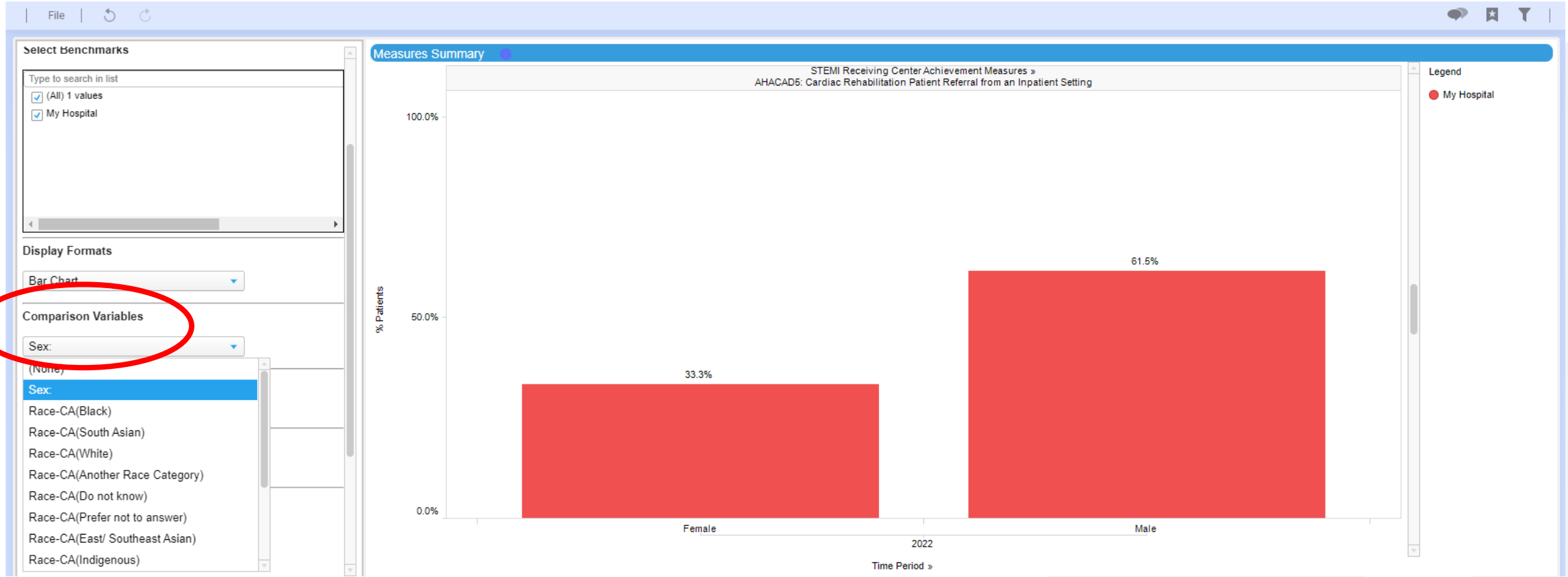
Filters



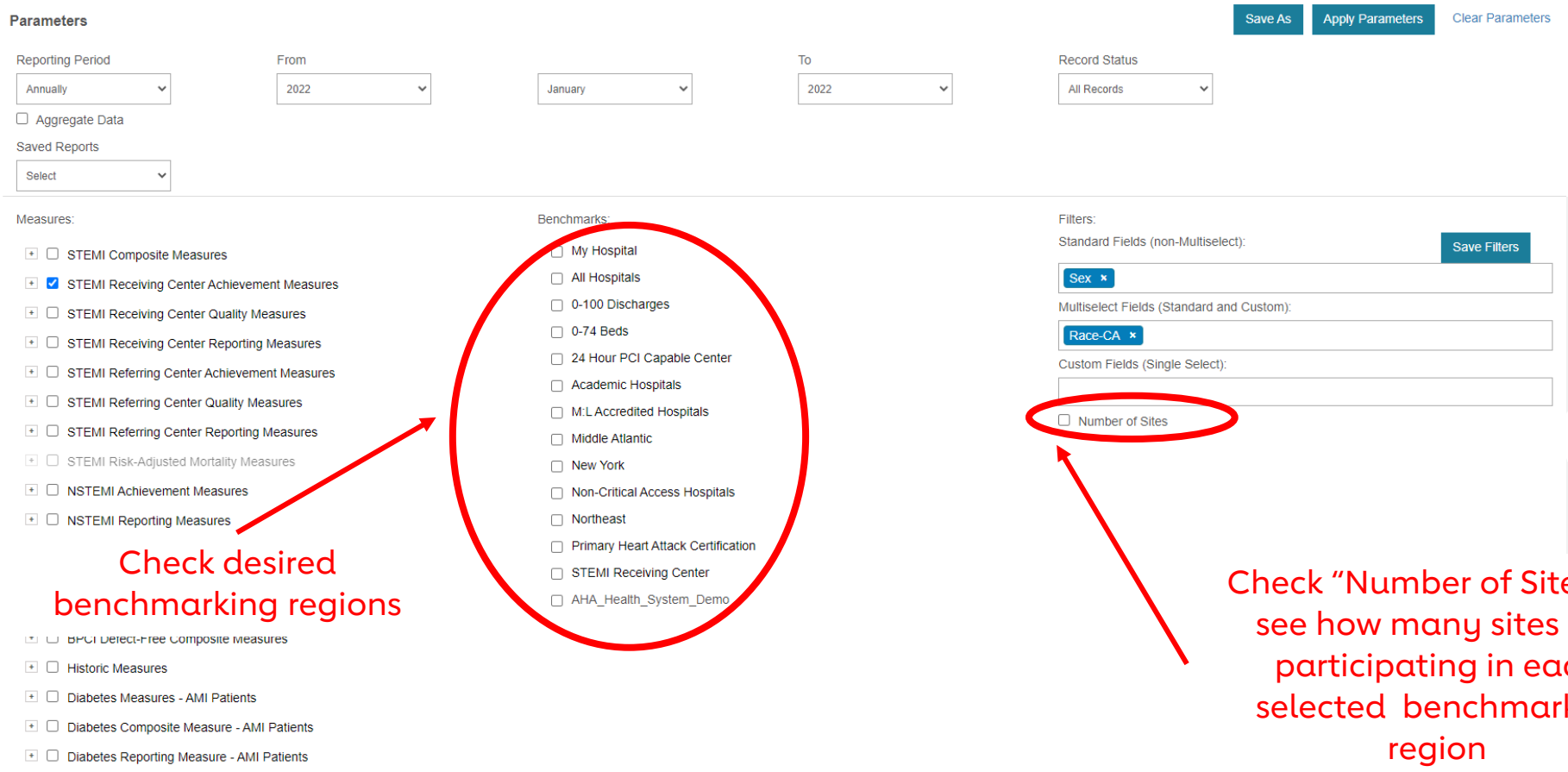
You can see how your site is performing for each measure set by using the "Filter" options to the right of the measure bundles. Type in your desired field names to search which filters you'd like to apply (e.g. sex, gender identity, race, age, etc.) after selecting the measures you'd like to compare. Then, select "Apply Parameters" to graph the measures.

Filters Cont.

From here, you can see the comparisons in the measures by selecting the variable you would like to compare in the lefthand side labeled “Comparison Variables”. This will populate a bar graph that compares the measure by the selected filter.



Benchmarking



Check desired benchmarking regions

Check "Number of Sites" to see how many sites are participating in each selected benchmarked region

As another option, you can use the "Benchmarks" tool to see how your site is doing in any measures compared to other GWTG participating sites across the nation, in your region, or many other options!

Note: checking a larger region benchmark (like "All Hospitals" may take up to 20 min to load

Using Health Equity Data

American Heart Association.

Examples of Research/PI Questions

Reminder: Research using only GWTG data does NOT require IRB approval!*

*Note: this only applies to data collected at your individual hospital and NOT using any Benchmark data from other hospitals/regions

General Demographic Information

1. What are the unmet social needs of your patient population?
2. Are there are any disparities in CVD diagnosis between sex/race?

Process Improvement

1. Are there health disparities between race/sex in prescribing [X] medication at discharge?
2. What population
3. Are there are any delays to care that specifically impact [X] patient populations?
4. Are there any differences in education provided at discharge by gender identity or sexual orientation?

Outcomes Research

1. Are there health disparities between race/sex in Discharge Disposition?
2. Is the average length of stay the same among differing sex/racial groups?