

# How to Run Health Equity Data

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American  
Heart  
Association.

# Health Equity Data Elements in the CRF

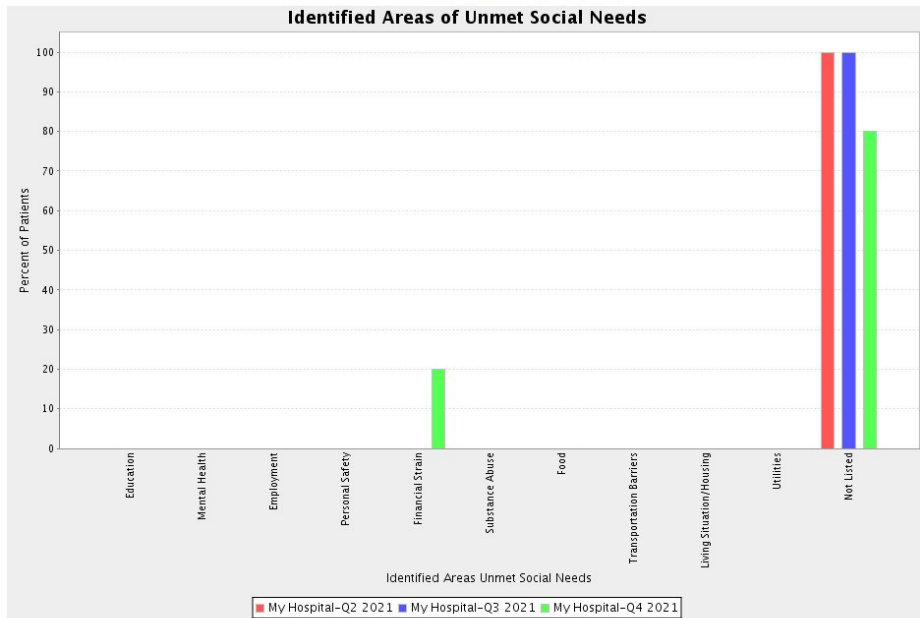
In line with the latest science and our guidelines, all GWTG registries have new and revised field names and options. You may run reports using these new field names as filters. Below are screenshots of the patient's case report form (CRF) where you can find the data elements relating to health equity:

RACE AND ETHNICITY	
Race (Select all that apply):	<input type="checkbox"/> American Indian/Alaska Native <input type="checkbox"/> Black or African American <input type="checkbox"/> Asian <input type="checkbox"/> Native Hawaiian or Pacific Islander
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>[if Asian selected]</p> <input type="checkbox"/> Asian Indian  <input type="checkbox"/> Chinese  <input type="checkbox"/> Filipino  <input type="checkbox"/> Japanese  <input type="checkbox"/> Korean  <input type="checkbox"/> Vietnamese  <input type="checkbox"/> Other Asian           </div> <div style="width: 45%;"> <p>[if native Hawaiian or pacific islander selected]</p> <input type="checkbox"/> Native Hawaiian  <input type="checkbox"/> Guamanian or Chamorro  <input type="checkbox"/> Samoan  <input type="checkbox"/> Other Pacific Islander           </div> </div>
Hispanic Ethnicity:	<input type="radio"/> Yes <input type="radio"/> No/UTD
If Yes,	<input type="checkbox"/> Mexican, Mexican American, Chicano/a <input type="checkbox"/> Puerto Rican <input type="checkbox"/> Cuban <input type="checkbox"/> Another Hispanic, Latino or Spanish Origin

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

# Identified Areas of Unmet Needs

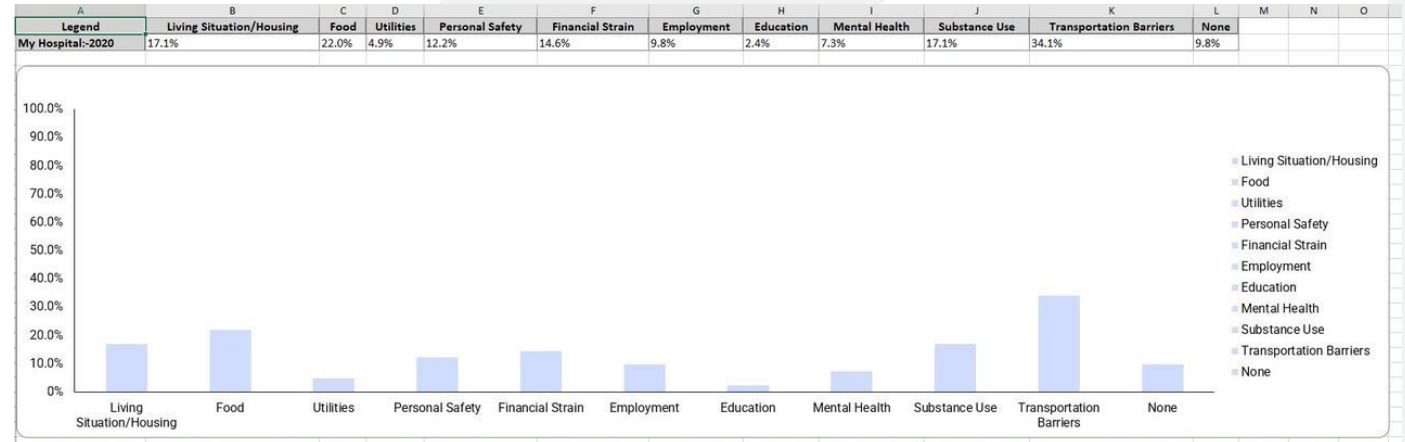
**Identified Areas of Unmet Social Needs**  
Histogram breakdown of Identified Areas of Unmet Social Needs  
Time Period: Q1 2021 - Q4 2021; Site



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

**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



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

# PMT



# Running Demographics

## Configurable Measure Reports

Generate Report

**TIME PERIOD**

Interval:   Aggregate

From:

To:

**REPORT 1**

**GWTG Standard Measures:**

**GWTG Additional Patient Population Measures:**

**Historic Measures:**

**Format:**

**Compare to:**  
(ctrl-click to select multiple)

- Smoking Cessation Therapies Prescribed
- Statin Prescribed at Discharge
- Time to Intravenous Thrombolytic Therapy - 30 min
- Time to Intravenous Thrombolytic Therapy - 45 min
- Time to Intravenous Thrombolytic Therapy Times
- Thrombolytic Complications
- Thrombolytic Therapies
- Weight Recommendation
- Descriptive**
- Age
- Diagnosis
- Dysphagia Screening Results
- Gender**
- Initial Exam Findings
- LOS
- Medical History
- Race
- Risk-Adjusted Mortality Ratio (Global Stroke Model)
- Risk-Adjusted Mortality Ratio (Ischemic-Only model)
- Symptom Duration if diagnosis of TIA
- Data Quality

**FILTER OPTIONS** [HIDE](#)

Note: "Compare selections" only apply

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.

**FILTER OPTIONS** HIDE

Note: "Compare selections" only apply to the "My Hospital" comparison group.

Include Only Complete Records

**Patient Population**  
Adult  
Pediatric  
Neonate  
 Compare selections  
(ctrl-click to select multiple)

**Form Type**  
CPA  
ARC  
MET  
PCAC  
 Compare selections

**Form Exists**  
CPA  
ARC  
MET  
PCAC  
 Compare selections

**Form Group**  
CPA Event  
CPA: Newly Born Event  
 Compare selections

**Discharge Status**  
Dead  
Alive  
Discharge Pending  
 Compare selections

**Sex**  
Male  
Female  
Unknown  
 Compare selections

**Race**  
American Indian or Alaska Native  
Black or African American  
White  
Asian  
Native Hawaiian or Pacific Islander  
UTD  
 Compare selections

**FILTER OPTIONS** HIDE

Note: "Compare selections" only apply to the "My Hospital" comparison group.

Include Only Complete Records

**Diagnosis**  
Ischemic Stroke  
Transient Ischemic Attack (< 24 hours)  
Subarachnoid Hemorrhage  
Intracerebral Hemorrhage  
Stroke not otherwise specified  
No stroke related diagnosis  
 Compare selections

**Patient location when stroke symptoms discovered**  
Not in a healthcare setting  
Another acute care facility  
Chronic health care facility  
Outpatient healthcare setting  
Stroke occurred after hospital arrival (in ED/Obs/inpatient)  
ND or Cannot be Determined  
 Compare selections

**Arrival Day**  
Sunday  
Monday  
Tuesday  
 Compare selections

**Not Admitted?**  
Yes, not admitted  
No, patient admitted as inpatient  
 Compare selections

**Reason Not Admitted**  
Transferred from your ED to another acute care hospital  
Discharged directly from ED to home or other location that is not an acute care hospital  
Left from ED AMA  
Died in ED  
Discharged from observation status without an inpatient admission  
Other  
 Compare selections

**Department**  
Neuro Admission  
Other Service Admission  
Stroke Consult  
No Stroke Consult  
In Stroke Unit  
Not in Stroke Unit  
 Compare selections

**Physician**  
 Compare selections

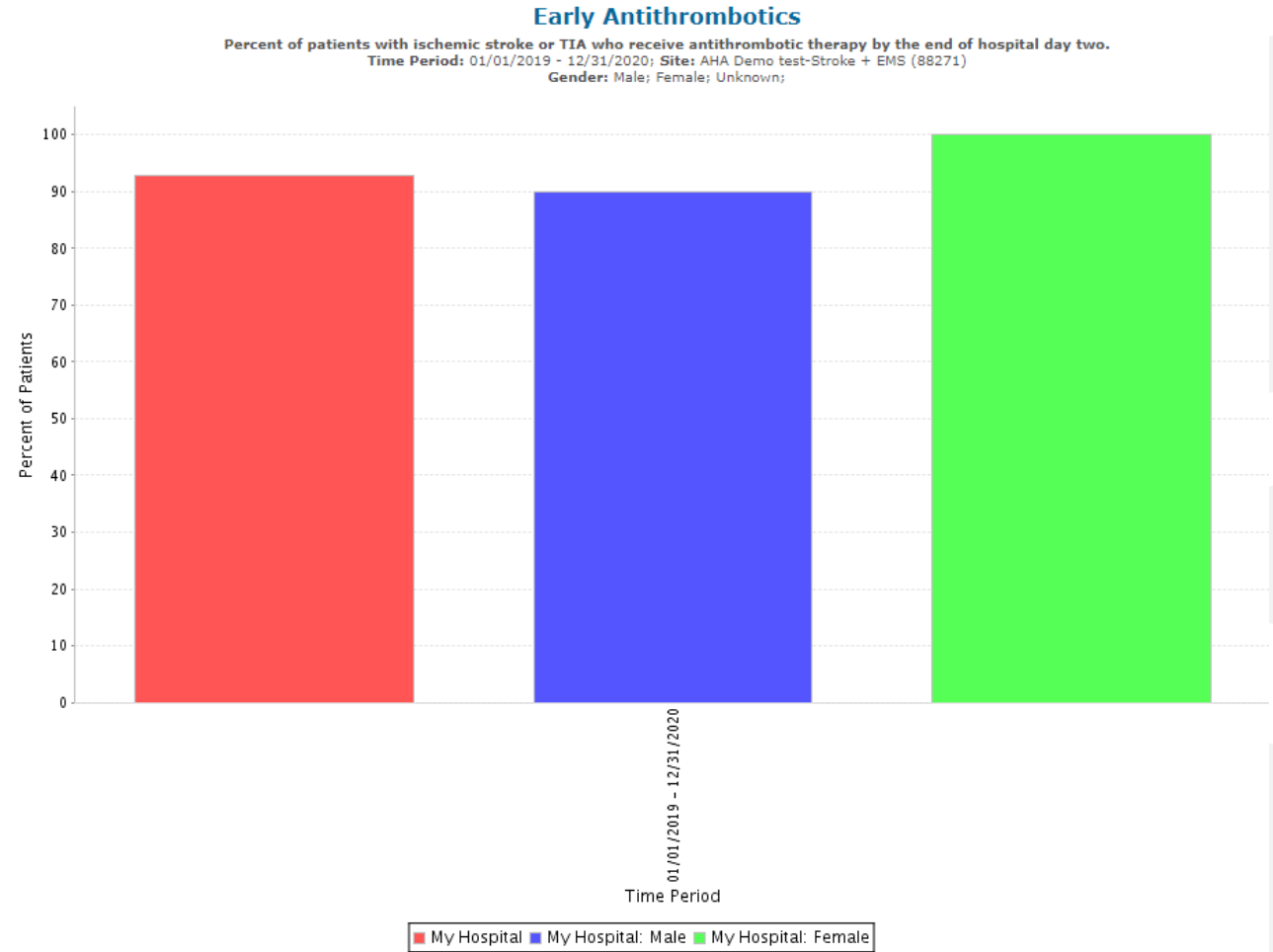
**Gender**  
Male  
Female  
Unknown  
 Compare selections

**Hispanic Ethnicity**  
Yes  
No  
 Compare selections

**Race**  
American Indian/Alaska Native  
Black or African American  
White  
Asian  
Native Hawaiian/Pacific Islander  
UTD  
 Compare selections

# 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

## Configurable Measure Reports

Generate Report

### TIME PERIOD

Interval: Monthly  Aggregate

From: 2022 Apr

To: 2022 Jun

### REPORT 1

GWTC Standard Measures: \*\*Consensus-GWTG/PAA Set\*\*

GWTC Enhanced Version & Special Initiative Measures: Select Measure

GWTC Additional Patient Population Measures: Select Measure

Historic Measures: Select Measure

Format: Bar Chart

Compare to:  
(ctrl-click to select multiple)

- My Hospital
- AHA ML Stroke Demo Region
- All CSTK Hospitals
- All Hospitals
- All STK Hospitals
- All TX Hospitals
- Marcus Stroke Network
- South Region Hospitals
- Telestroke Provider
- West South Central Hospitals
- All Hospitals (non-expedited)
- All STK Hospitals (non-expedited)

Measure group with 7 of the 10 Consensus Measures by Clinical Diagnosis (including Stroke and TIA) for GWTG Recognition

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

Add Another Report

FILTER OPTIONS SHOW

DISPLAY OPTIONS SHOW

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



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# Running Demographics

## Parameters

Reporting Period:  From:  To:

Aggregate Data

Saved Reports:

### Measures:

- STEMI Composite Measures
- STEMI Receiving Center Achievement Measures
- STEMI Receiving Center Quality Measures
- STEMI Receiving Center Reporting Measures
- STEMI Referring Center Achievement Measures
- STEMI Referring Center Quality Measures
- STEMI Referring Center Reporting Measures
- STEMI Risk-Adjusted Mortality Measures
- NSTEMI Achievement Measures
- NSTEMI Reporting Measures
- Descriptive Measures**
  - AHACAD40: Diagnosis
  - AHACAD41: Gender
  - AHACAD39: Identified Areas of Unmet Social Needs (NSTE-ACS)
  - AHACAD20: Identified Areas of Unmet Social Needs (STEMI)
  - AHACAD42: Length of Stay
  - AHACAD43: Race

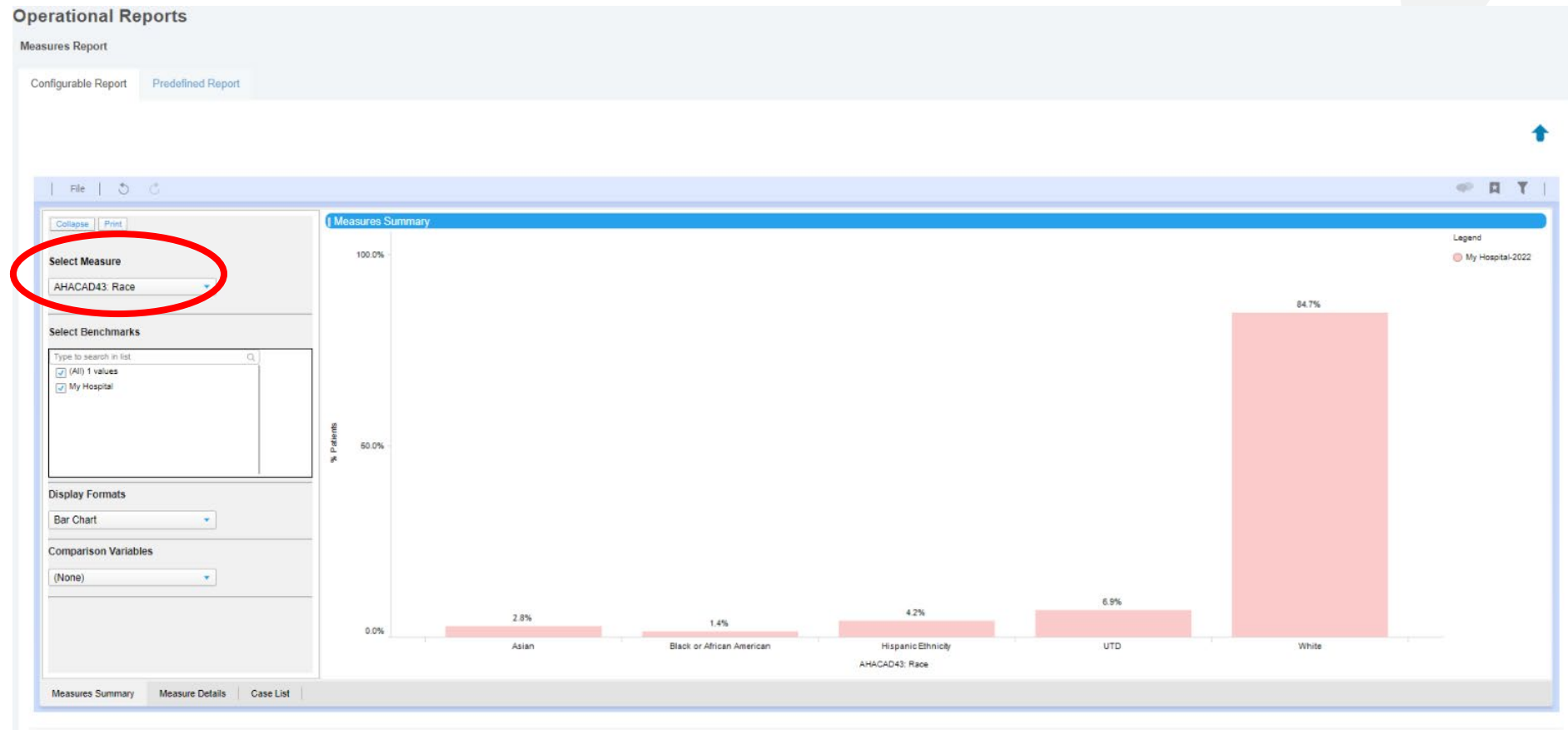
### Benchmarks:

- My Hospital
- All Hospitals
- 0-100 Discharges
- 0-74 Beds
- 24 Hour PCI Capable Center
- Academic Hospitals
- M:L Accredited Hospitals
- Middle Atlantic
- New York
- Non-Critical Access Hospitals
- Northeast
- Primary Heart Attack Certification
- STEMI Receiving Center
- AHA\_Health\_System\_Demo

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

**Parameters**

Reporting Period:  From:  To:   Record Status:

Aggregate Data

Saved Reports:

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**Measures:**

- STEMI Composite Measures
- STEMI Receiving Center Achievement Measures
- STEMI Receiving Center Quality Measures
- STEMI Receiving Center Reporting Measures
- STEMI Referring Center Achievement Measures
- STEMI Referring Center Quality Measures
- STEMI Referring Center Reporting Measures
- STEMI Risk-Adjusted Mortality Measures
- NSTEMI Achievement Measures
- NSTEMI Reporting Measures
- Descriptive Measures
- BPCI STEMI Measures
- BPCI NSTEMI Measures
- BPCI Defect-Free Composite Measures
- Historic Measures
- Diabetes Measures - AMI Patients
- Diabetes Composite Measure - AMI Patients
- Diabetes Reporting Measure - AMI Patients

**Benchmarks:**

- My Hospital
- All Hospitals
- 0-100 Discharges
- 0-74 Beds
- 24 Hour PCI Capable Center
- Academic Hospitals
- M:L Accredited Hospitals
- Middle Atlantic
- New York
- Non-Critical Access Hospitals
- Northeast
- Primary Heart Attack Certification
- STEMI Receiving Center
- AHA\_Health\_System\_Demo

**Filters:**

Standard Fields (Multiselect):

Multiselect Fields (Standard and Custom):

Custom Fields (Single Selection):

Number of Sites

1. Select measure bundle

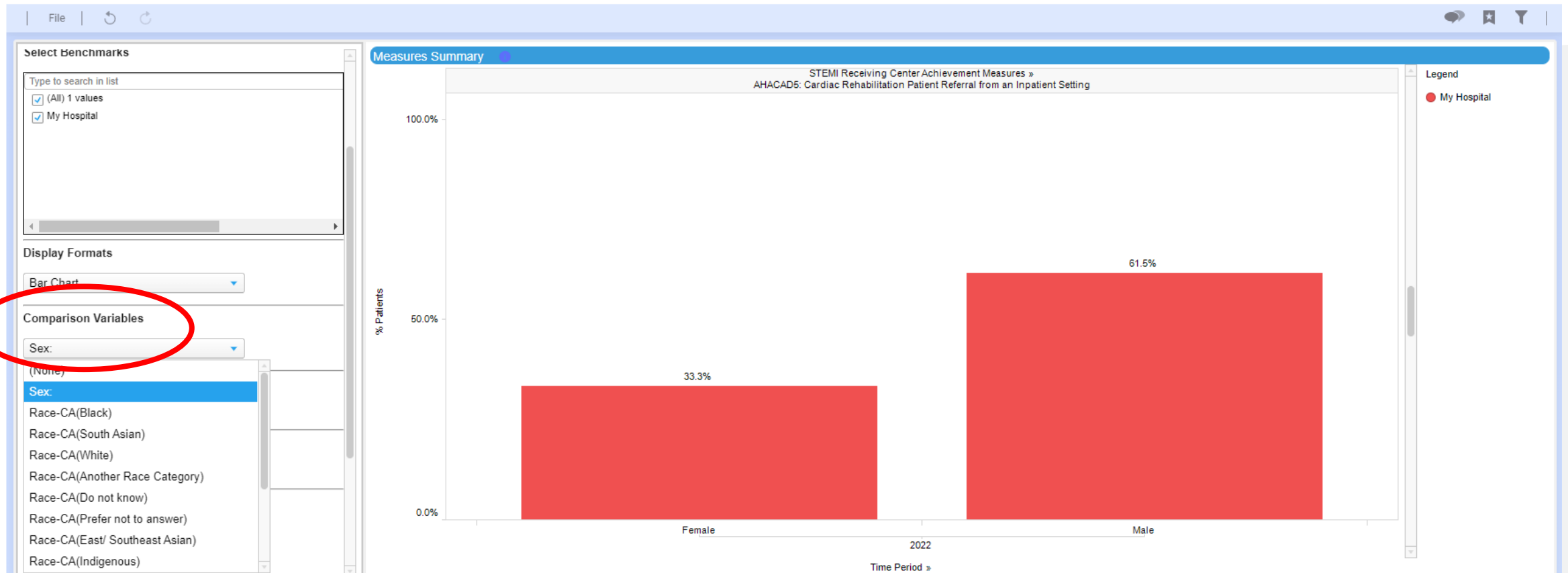
2. Type in desired filters

4. Apply Parameters

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

**Parameters**

Reporting Period:  From:  To:   Record Status:

Aggregate Data

Saved Reports:

**Measures:**

- STEMI Composite Measures
- STEMI Receiving Center Achievement Measures
- STEMI Receiving Center Quality Measures
- STEMI Receiving Center Reporting Measures
- STEMI Referring Center Achievement Measures
- STEMI Referring Center Quality Measures
- STEMI Referring Center Reporting Measures
- STEMI Risk-Adjusted Mortality Measures
- NSTEMI Achievement Measures
- NSTEMI Reporting Measures

**Benchmarks:**

- My Hospital
- All Hospitals
- 0-100 Discharges
- 0-74 Beds
- 24 Hour PCI Capable Center
- Academic Hospitals
- M.L Accredited Hospitals
- Middle Atlantic
- New York
- Non-Critical Access Hospitals
- Northeast
- Primary Heart Attack Certification
- STEMI Receiving Center
- AHA\_Health\_System\_Demo

**Filters:**

Standard Fields (non-Multiselect):

Multiselect Fields (Standard and Custom):

Custom Fields (Single Select):

- Number of Sites

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

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# 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 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 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?