



COVID – 19 Cardiovascular Disease Registry powered by *Get With The Guidelines*[®]

As physicians, scientists and researchers worldwide struggle to understand the coronavirus (COVID-19) pandemic, the American Heart Association (AHA) is developing a novel registry to aggregate data and aid research on the disease, treatment protocols and risk factors tied to adverse cardiovascular outcomes.

“Having sufficient data is the first step to understanding the impact of COVID-19 on cardiovascular health,” said John Warner, M.D., FAHA, chair of the quality oversight committee and past volunteer president of the American Heart Association and executive vice president for Health System Affairs at the University of Texas Southwestern Health System in Dallas, Texas. “As a trusted resource for data and research, with an entry point in more than 2,400 U.S. hospitals, the American Heart Association is uniquely positioned to gather data quickly and accurately.”

The AHA has created a Quality Improvement Registry to better understand the clinical treatment patterns and variations, including the collection of biomarkers, and cardiovascular outcomes in hospitalized COVID-19 patients across the nation. The registry will focus on real-time, granular data from acute care hospitals to better help clinicians and researchers understand and provide feedback to healthcare organizations on how to best treat COVID-19 patients. The program will provide real time reports for the individual hospital and for larger benchmark groups including state level insights or enterprise-wide health system aggregation.

The AHA’s free COVID-19 CVD Registry powered by [Get With The Guidelines](#)[®] (GWTG) is built on the 20 years of successful hospital quality improvement efforts of the GWTG programs. In addition, to help inform the larger medical community, the aggregated, deidentified data set will be available to researchers through the Association’s [Institute for Precision Cardiovascular Medicine](#) in coming months.

Data Collection

In the 1.0 version of this registry sites will begin using a CRF to collect data. In the 2.0 version of this Patient Management Tool (PMT) we will be offering ways to reduce the burden of data collection via an EHR uploader that will be added in Summer 2020 for flexibility in data submission.

Benefits of Participation

In addition to being specifically designed to track all hospitalized COVID-19 patients to get real-time feedback from across the nation, the registry will include the following features:

- Access to national and local benchmarks
- Ability to use key learnings and data for future pandemic preparedness
- Developed by AHA and leveraging 20 years of Quality Improvement and Registry experience from the flagship *Get With The Guidelines*[®] programs
- Leverage the registry for powerful rapid research
- Future iterations will include enhanced measures and reports for treating COVID-19 patients



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Several studies have reported COVID-19 patients presenting with or developing heart failure, cardiogenic shock, stroke and lethal arrhythmias secondary to the disease. However, these studies have consistently been limited by the lack of a structured collection of data raising concerns about indication bias for most laboratory testing. Further, several of these studies are single-center descriptive assessments, limiting their generalizability.

How to Enroll

In response, the AHA is creating the multicenter registry to collect biomarkers, clinical data and cardiovascular outcomes in COVID-19 patients. The registry will focus on granular data collection from centers that routinely test biomarkers in COVID-19 patients.

To participate in the registry, contact qualityresearch@heart.org.

Additional resources and guidance for health care professionals on COVID-19 can be found [here](#).

Support from the AHA

COVID-19 CVD Registry is supported by the American Heart Association and our Quality and Systems Improvement staff. These experts have been your partners in improving care and understanding the registry elements and answer any questions you may have on how to operationalize the registry at your facility.

**The AHA's COVID-19 CVD Registry
powered by Get With The Guidelines®
is being offered for FREE**