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| American Heart Association® Quality Improvement Programs RegistryNational-Level Research Proposal Form**GWTG-Stroke Data Challenge 2023**There will be a review process and proposals will be rated on the basis of scientific merit, feasibility, and novel contribution to the scientific literature.  Proposals will also be reviewed to ensure that there is no substantial overlap with projects that are already underway through the standard and early career proposal pathways.**Attach completed proposal to data challenge registration form** [**here**](https://app.smartsheet.com/b/form/a5d701d7437a48bc838e5b489d72e6b0)**.** |
| **Date Submitted to AHA:**  | **Project # (assigned by AHA Staff):**  |
| **Working Title of Research Proposal:**  |
| **National Level Program Primary Database - Please select one:**Click [here](https://www.heart.org/en/professional/quality-improvement/quality-research-and-publications/national-level-program-data-research-opportunities) for details on AHA Get With The Guidelines® (GWTG) Research Programs. |
| [x] Get With The Guidelines-Stroke linked with county level estimators for the Stroke Data Challenge from 2010-2019 |
| **Principal Investigator / Lead Author Information:**Name and Credentials: Title/Position:Institution/Company: Mailing Address, City, State, Zip: Email: Phone Number: [AHA Membership](https://professional.heart.org/professional/membership/membership-tiers.jsp?_requestid=1430789) Number (Required for approved proposals): [ ] Professional Member [ ]  Early Career Member [ ] Student/Trainee Member  |
| **Diversity & Inclusion: “Strengthening all of us as individuals, as an organization and as one world”** By marking the box below, you affirm that you will make every effort as the Project Lead to strive for [AHA’s commitment to diversity and inclusion](https://www.heart.org/en/about-us/diversity-inclusion) in the Scientific and Healthcare Quality Community. This will include building a collaborative project team that is inclusive of individuals who are diverse across gender, race/ethnicity, career stage, and institution. If you need assistance, please contact the AHA team and we will help to build your project network. [ ]  I have reviewed the [AHA Diversity and Inclusion Policy](https://www.heart.org/en/about-us/diversity-inclusion)  |
| **Publication Guidelines:** * An approved proposal is the property of the American Heart Association and will be managed according to the GWTG [publication policies](https://www.heart.org/-/media/Files/Professional/Quality-Improvement/Quality-Research/GWTG-NationalLevel-Research-Policy2022125.pdf).
* The AHA is providing analyzed data or limited data access as an in-kind contribution for research.
* If a complete manuscript has not been drafted within time frames indicated by the Publication Policy, then lead author and/or senior authorship will be reassigned, or the project will be decommissioned by the overseeing volunteer committee.
* Failure to comply with author requirements and publication policies may affect the eligibility of investigators to submit manuscripts for publication and future proposals.

[ ]  I have reviewed and acknowledge the above policies. |
| **Project Originality:** By marking the box below, you affirm that you have reviewed the [Get With The Guidelines (GWTG) Online Library of Publications](https://www.heart.org/en/professional/quality-improvement/publications#sort=relevancy) to avoid overlap between the current proposal and existing GWTG publications.[ ]  I have reviewed the [GWTG Online Library of Publications](https://www.heart.org/en/professional/quality-improvement/publications#sort=relevancy)  |
| **Senior Author and/or GWTG Mentor (if applicable):** Name:Institution: Email Address:  |
| **Co-Investigator(s)/Author(s) – Include name, institution, and email address for each:**  |
| **Analytic Channel for Externally Funded Projects:**[x] Self-analyze data on AHA’s Precision Medicine Platform**Statistical collaborators/support:**For self-analysis projects, provide information and qualifications (name, institution, statistical core, previous experience with GWTG analysis, etc.) of statistical team:*Name of Statistician:**Institution:**Statistical Core:**Previous experience performing outcomes research on large datasets:* *Previous experience analyzing GWTG data, if any:* |
| **Research Dissemination Target:**[x] Scientific Conference: ISC 2024[ ] Journal: [ ] Other:  |

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| Research Proposal |
| **Publication/Abstract Keywords:** |
| **Research Objectives, Novelty, and Significance:** |
| **Hypothesis/RationaleStudy Hypothesis:** |
| **Study Population (specify admission diagnosis of interest, including inclusion and exclusion criteria):** |
| **Please list out the variables you will utilize for your project** * Please confirm the variables are collected in the [GWTG-Stroke Case Report Form.](https://www.heart.org/-/media/Files/Professional/Quality%20Improvement/Quality%20Research/Stroke%20Challenge/GWTG%20Stroke%20CRF%20Dec%202019)
* Specify the Primary Exposure Variable

GWTG-Stroke Variables:[County level data variables](https://www.heart.org/-/media/Files/Professional/Quality%20Improvement/Quality%20Research/Stroke%20Challenge/IHME%20Data%20Elements%20Linked%20to%20GWTGStroke) (data linked by IHME to the GWTG-Stroke dataset): |
| **Primary Outcome/Endpoint:** |
| **Secondary Outcomes/Endpoints:** |
| **Brief Description of Proposed Statistical Analyses:** |
| **Sample Tables (please provide examples of the tables as you plan to present them):** |
| **Key References:** |

Appendix

American Heart Association Precision Medicine Platform

The AHA Precision Medicine Platform (PMP) is a cloud-based data marketplace with secure, private workspaces equipped with data analysis tools. Users can work with the Get With The Guidelines data as well as upload their own data to the workspace. The Precision Medicine Platform uses a combination of [security measures](https://precision.heart.org/security-information) that meet or exceed FedRAMP low and HIPAA requirements, providing users with a comprehensive security, quality, and privacy framework.

* Learn more about the Precision Medicine Platform [here](https://precision.heart.org/documentation/index.html)
* Explore the capabilities of Precision Medicine Platform workspaces [here](https://precision.heart.org/workspace/about)
* Each workspace owner will name an analytic team on the manuscript proposal, which will be provisioned with the PMP workspace and appropriate dataset files.
* Software available for basic statistical analysis include SAS, Python and R. Individuals may also use machine learning and AI tools as well as the many other visualization and software programs within the PMP workspaces.
* Investigator will be allotted complimentary Amazon Web Services credits with their access to a workspace on the Precision Medicine Platform during the Data Challenge.