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| American Heart Association® Quality Improvement Programs RegistryNational-Level Research Proposal FormEmail QualityResearch@Heart.org to submit form or for questions. |
| **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) for Program Descriptions. 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. |
| [ ]  Get With The Guidelines-AFIB[ ]  Get With The Guidelines-CAD[ ]  Get With The Guidelines-Heart Failure [ ]  Get With The Guidelines-Stroke | [ ]  Get With The Guidelines-Resuscitation- Adult[ ]  Get With The Guidelines-Resuscitation- Pediatric/Neonatal[ ]  Mission: Lifeline® |
| **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  |
| Are you an Early Career Investigator? [ ] Yes [ ]  NoAre you applying for [AHA Early Career Investigator Database Seed Grant](https://www.heart.org/en/professional/quality-improvement/quality-research-and-publications/young-investigator-research-opportunities)? [ ] Yes [ ]  No\*Early Career Investigator includes the following:* Predoctoral fellows pursuing a post-baccalaureate doctoral degree including PhD, MD, DNP, or equivalent clinical health science doctoral degree program;
* Postdoctoral fellows including trainees with post-baccalaureate PhD, MD, DNP, or equivalent clinical health science doctoral degree program. This includes MDs who are current residents, fellows in training or have completed training within the last 5 years;
* Research or Clinical faculty/staff up to and including the rank of assistant professor (or equivalent) for which no more than five years have elapsed since the first faculty/staff appointment.
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| **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:**  |
| **Existing or Anticipated Funding – Select only one:**[ ] AHA Funding – Click [here](https://www.heart.org/en/professional/quality-improvement/quality-research-and-publications/national-level-program-data-research-opportunities) for more information[ ] AHA Early Career Investigator Database Seed Grant - Click [here](https://www.heart.org/en/professional/quality-improvement/quality-research-and-publications/young-investigator-research-opportunities) for more information [ ] External funding– Specify source: [ ] Federal grant [ ] Non-federal grant or foundation [ ] Academic institutional grant [ ] Self-Funded [ ] Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Grant or Other Funding Information (if applicable):**Funding institution:Funding mechanism or grant ID:Project duration and start date:Total funding amount:Total funding budgeted for AHA GWTG statistical support: |
| **Analytic Channel for Externally Funded Projects:**[ ]  Self-analyze data on AHA’s Precision Medicine Platform\*[ ]  Collaborate with AHA Data Science Team on the PMP to conduct analysis\*\*[ ]  AHA-Approved Analytics Vendor\*\*[ ]  Self-analyze data at another institution**Statistical collaborators/support**For self-analysis projects, provide information and qualifications (name, institution, statistical core, previous experience with GWTG analysis, etc) of statistical team:*\* See appendix for more details and for pricing.* \*\*Please contact qualityresearch@heart.org for cost estimate. |
| **GWTG Data Requested:** Date Range (years): Are you proposing to link to another data set? [ ] Yes – Specify data set:[ ] No, this project will be completed exclusively with data collected in the GWTG program.NOTE: Projects involving CMS linked data set must use an AHA-approved analytic vendor. |
| **Research Dissemination Target:**[ ] Scientific Conference: [ ] 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):** |
| **Variables Utilized for Project (Please confirm the variables are collected in the** [**Case Report Forms**](https://www.heart.org/en/professional/quality-improvement/quality-research-and-publications/national-level-program-data-research-opportunities)**.** **Specify the Primary Exposure Variable.):** |
| **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)

Pricing Plan

Analyze Get With The Guidelines on the AHA Precision Medicine Platform

[ ]  **Investigator-led Data Analysis on AHA’s Precision Medicine Platform (PMP)**

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| Select Career Level | PMP Annual License Fee for 2022 | PMP Annual License Fee for 2023 | GWTG Data AdministrationFee Per Proposal | $50,000 Computational Cloud Credits |
| [ ]  Early Career\*  | $875 | $1,250 | $250 | FREE |
| [ ]  Established | $3,500 | $5,000 | $1000 | FREE |

[ ]  **Special Offer: If the Investigator would like to pay for access to the PMP for the entire term of this agreement (24 months) up front, the AHA will invoice the Investigator at the 2022 rate. This is a savings of $375 for EC and $1,500 for Established career levels for 24 months of access to the PMP.**

* + 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 up to $50,000 complimentary Amazon Web Services credits with their access to a workspace on the Precision Medicine Platform during the term of this Agreement.
	+ Invoices are sent via email.

[ ]  **Collaborate with AHA Data Analysis Team to Conduct Analysis on the PMP\*\***

* + The AHA Data Analysis Team will work with the authors to estimate the number of hours per project. The authors will need to be available for questions and discussion as part of the estimation process. This information will also help inform the author of the expected length of time a PMP workspace will be needed, to enable a cost projection.
	+ The AHA Data Analysis Team includes statisticians and scientists with significant study design, epidemiology, and computer science capabilities.
	+ Typical analyses will range from 50 – 250 hours depending on the complexity of the analyses.
	+ Rates are $125 per hour in addition to the annual PMP license fees as noted above.
	+ Prioritization of manuscripts may depend on workflow.
	+ The investigator will be invoiced directly for analytical hours accrued per month.
	+ See following page for more detail regarding the AHA Data Analysis Team.

[ ]  **Ad Hoc Support with AHA Data Analytics**

* + The AHA Data Science Team is available on an ad hoc basis to provide technical and analytic support for Self Service authors.
	+ Rates are $175 per hour.

[ ]  **Early Career Investigator Database Research Seed Grant (ECI Grant) Recipient**

* + ECI Grants are competitively awarded each year for Get With The Guidelines national-level research.
	+ The following fees are waived for ECI Grant recipients that have been approved for research to be conducted using GWTG data on the PMP:
		- PMP Annual License Fee, up to one year,
		- GWTG Data Administration Fee for one proposal,
		- Collaboration with the AHA Data Analysis team (up to 150 hours).

**\*Early Career Investigator includes the following:**

* Predoctoral fellows pursuing a post-baccalaureate doctoral degree including PhD, MD, DNP, or equivalent clinical health science doctoral degree program
* Postdoctoral fellows including trainees with post-baccalaureate PhD, MD, DNP, or equivalent clinical health science doctoral degree program. This includes MDs who are current residents, fellows in training or have completed training within the last 5 years.
* Research or Clinical faculty/staff up to and including the rank of assistant professor (or equivalent) for which no more than five years have elapsed since the first faculty/staff appointment.

**\*\*Collaborate with AHA Data Analysis Team to Conduct Analysis on the PMP**

Obligations of AHA Data Analysis Team

AHA Data Analysis team will hold an initial call with the principal investigators (PI), and/or their appropriate research staff to assess and understand the statistical needs of the project. Topics to be discussed during the initial consultation call include but are not limited to: overview of expectations and accountability, description of project, research hypothesis, feasibility, primary and secondary objectives, definitions of exposure variables, end points, and cut off values, discussion of statistical techniques and methodologies, overview of desired and format of output including charts, graphs, tables etc, and estimation of hours and cost.

Within a week of the consultation call, the Data Analysis team will send a Statistical Analysis Plan (SAP) to the PI and their appropriate research staff detailing the planned analysis and agreed upon project deliverables with a time frame. Any changes to the planned analyses should be made prior to formal written approval of the SAP. Suggested changes must be within the scope of the approved proposal. The PI and their appropriate research staff will provide written approval of the Statistical Analysis Plan. Work on the project only will start after the contract has been agreed upon and signed by all necessary parties.

The Data Analysis team will provide the PI and their appropriate research staff with regular status updates and communicate any statistical issues that may arise. A finalized Statistical Analysis Report within the prespecified time frame will be delivered via email to the PI. The Data Analysis team performing the analysis will be co-authors on the publication(s) to acknowledge the intellectual contribution to the work. The Data Analysis team will be given at least 1 week to review any final drafts of an abstract or publication prior to submission or resubmission to ensure study and statistical integrity.