The Center for Quantitative Electrocardiography and Cardiac Safety
And its Telemetric and Holter ECG Warehouse

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The objective of the Center and its Telemetric and Holter ECG Warehouse (THEW) is to provide access to continuous electrocardiographic data to for-profit and not-for-profit organizations for the design and validation of analytic methods to advance the field of quantitative electrocardiography with a strong focus on cardiac safety.

We believe that sharing data reinforces open scientific inquiry, encourages diversity of analysis and opinion, promotes new research, makes possible the testing of new or alternative hypotheses and methods of analysis, supports studies on data collection methods and measurement, facilitates the education of new researchers, enables the exploration of topics not envisioned by the initial investigators, and permits the creation of new datasets when data from multiple sources are combined.

This Center strives to:
- Provide access to large databases of electrocardiographic information;
- Promote cross-fertilization of scientific knowledge, resources and ideas that will advance the field of quantitative electrocardiography;
- Develop specific projects to implement and to grow the repository of ECG information in the THEW;
- Facilitate scientific projects toward the development, testing and validation of ECG-related technologies and platforms;
- Leverage expertise and resources toward the implementation of collaborative projects among FDA, and other public and private stakeholders;
- Identify, develop and evaluate new electrocardiographic markers of cardiovascular risk related to management of patient care and evaluation of new molecular entities;
- As appropriate, incorporate scientific findings from the THEW into the premarket evaluation process for electrocardiographic devices and associated methodologies, and into the total product life cycle.

This center provides services to researcher’s world-wide by fostering and distributing resources (data and tools) needed to conduct ECG-related activities (technology development and ECG metrics). We expect this initiative to spawn various collaborative research projects to not-for-profit entities and to facilitate the development of improved ECG technologies for cardiac safety.