

Telemetric and Holter ECG Warehouse (THEW)

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Research Areas



Tool Development

Resource



Data-Sharing Enabler

At a Glance

- Status: **Active Consortium**
- Year Launched: **2008**
- Initiating Organization: **University of Rochester**
- Initiator Type: **Academia**
- Location: **International**

Abstract

The objective of the Telemetric and Holter ECG Warehouse (THEW) is to provide services to public, private, and any legal scientific organizations world-wide by fostering and distributing the resources (data and tools) needed to conduct ECG-related research activities. The THEW initiative deploys appropriate information technologies and computer processing power to benefit the overall scientific community. The THEW is a public/private partnership with the U.S. Food and Drug Administration (FDA) developed under the National Institutes of Health's (NIH) National Heart, Lung, and Blood Institute support and led by a Steering Committee consisting of staff members of the FDA, the NIH, and the University of Rochester (UR).

Sponsors & Partners

The objective of the Telemetric and Holter ECG Warehouse (THEW) is to provide access to continuous electrocardiographic data to for-profit and nonprofit organizations for the design and validation of analytic methods to advance the field of quantitative electrocardiography with a strong focus on cardiac safety.

The THEW hosts more than 3,700 digital 24-Holter ECG recordings from 13 independent studies. In addition to the ECGs, the repository includes patient information in a separate clinical database with content varying according to the study focus. The THEW database has been accessed by researchers from 37 universities and 16 corporations located in 16 countries worldwide. Twenty publications have been released primarily focusing on the development and validation of ECG-based technologies.

The THEW initiative is a nonprofit, 501(c)(3) organization hosted by the Heart Research Follow-up Program at the University of Rochester Medical Center.

Homepage www.THEW-project.org

University Medicine Berlin

Harvard Medical School – Wyss Institute for
Biologically Inspired Engineering

Academy of Sciences of the Czech Republic

Baskir State Pedagogical University

Chinese Academy of Medical Sciences

Chung-Yuan Christian University

College of Veterinary Medicine, Cornell
University

Erasmus University Rotterdam

FDA

Henry M. Jackson Foundation

Hospital Louis Pradel

INSERM (France)

Johns Hopkins University School of Medicine

Karlsruhe Institute of Technology

Long Beach Memorial Medical Center

Masonic Medical Research Laboratory

Massachusetts General Hospital

National Polytechnic Institute of Mexico

NIH

Oklahoma State University – Center for Health
Sciences

Oxford University

Polytechnic University of Marche

Research Center of Hospital Sacre-Coeur of

Montreal
RIT
Teschische Universitat
The Victor Chang Cardiac Research Institute
Uniformed Services University
Universidad Favaloro
Universita degli Studi di Messina
Universitat Politecnica de Catalunya (Barcelona-Tech)
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