



HealthQuery®

April 2003

National Health Foundation

Original Concept

- ★ Evolved from Koop Foundation Inc.'s (KFI) “Health Object Library Online” (HOLON) projects and National Health Foundation's (NHF) LA Model Project
- ★ Joint proposal for \$27 million submitted to National Institute of Science & Technology
 - NHF to implement in California
 - KFI to replicate in other states

Partners

- ✦ California Department of Health Services Center for Health Statistics
- ✦ Environmental Systems Research Institute
- ✦ Manning, Selvage, and Lee
- ✦ Mitchell Madison Group
- ✦ San Francisco Department of Public Health
- ✦ San Francisco Public Library
- ✦ Steering Committee for the Study of the Healthcare Delivery System of Los Angeles County
- ✦ Sun Microsystems
- ✦ WhiteLight Systems
- ✦ Windom Health Enterprises

HealthQuery® Business Plan

☀ *HealthQuery.org and HealthQuery.com*

☀ HealthQuery.org:

- ☀ Data and applications donated by commercial partners or developed using philanthropic fund
- ☀ Free access, no commercials
- ☀ Replication in other states

☀ HealthQuery.com


- ☀ For commercial partners who donate to HealthQuery.org

Dual Return on Investment

- ✦ Public partners – new access to data, analyses, and decision support tools
- ✦ Commercial partners – business opportunities through replication and custom applications

End-User Groups

- ✦ Public health agencies
- ✦ Healthcare providers
- ✦ Community organizations
- ✦ Health plans
- ✦ Health researchers
- ✦ Health policy makers
- ✦ Healthcare enterprises



*HealthQuery®
System*

Partners



HealthQuery® System

Personal Health

Community Health

HealthQuery® Applications

Health Risk
Assessment

Vital Statistic
Query

Healthcare
Demographics

Resource
Locator

Modeling &
Simulation



End-User Groups

HealthQuery® System:

Hardware & Software

Partners:

- Sun Microsystems: operating system, servers, data storage and development workstations, system integration software, and lead architecture design
- ESRI, Mitchell Madison, White Light, CA Dept. of Health Center for Health Statistics: software and support services

End Users

- KFI: lead technical project management
- NHF: lead end-user research

HealthQuery® System:

Hardware & Software

System Architecture (3-tiered)

1. User interface – reports, maps, simulations
2. Applications – servers, storage, specialized applications
3. Data – data warehouse, legacy interface engines analysis and modeling engines

HealthQuery® Application:

Health Risk Assessment

Partners:

- Windham Health Enterprise - software and software integration, architectural design, end user research and testing, and end user support

End Users

- Individuals
- Health policy researchers

HealthQuery® Application:

Health Risk Assessment

- Health information & decision support tool
- Provides feedback on risk behavior & recommend changes
- Access to Windham Health
- HQ saves non-identifiable data to build community health status profiles

HealthQuery® Application:

Health Demographics

Partners:

- San Francisco Dept. of Public Health & LA Dept. of Health Services – local databases
- California Dept. of Health Services Center for Health Statistics – population data
- Environmental Systems Research Institute – GIS system design, spatial data preparation plan, software licenses, ARC/Info training

End Users

- | | |
|------------------------|------------------------|
| Public health agencies | - Health researchers |
| Community clinic | - Health policy makers |

HealthQuery® Application:

Health Demographics

- Mapped population data at zip code level
- Other mapped data include lead poisoning and communicable disease surveillance, pre-hospital care, asbestos survey, and permitted food facilities

HealthQuery® Application:

Resource Locator

Partners:

- California Dept. of Health Services, Office of State Health Planning and Development – databases
- Environmental Systems Research Institute – GIS system design, spatial data preparation plan, software licenses and Arc/Info training.

End Users:

- Individuals
- Community organizers

HealthQuery® Application:

Resource Locator

- Allows users to query nearest hospitals, clinics and emergency rooms
- Provides customized maps of nearest facilities with driving instructions

HealthQuery® Application:

Vital Statistics Query

Partners:

- California Dept. of Health Services Center for Health Statistics – vital statistic databases and software to support querying these databases.

End Users:

- Community clinics
- Healthcare providers
- Public health agencies
- Community-based social services organizations
- Health policy makers

HealthQuery® Application:

Vital Statistics Query

- Provides birth and death statistics by zip code
- Provides causes of death and infant mortality data by zip code

Modeling & Simulation

Partners:

- San Francisco Dept. of Public Health and LA Dept. of Health Services – local data
- Mitchell Madison Group – create metadata structure and algorithm development, architectural design
- White Light – server and Dynamic Online Analytical Processing Software

End Users

- Public health agencies
- Community Clinics
- Health researchers
- Health plans
- Health policy makers
- Healthcare providers

HealthQuery® Application:

Modeling & Simulation

- Supports supply & demand for inpatient, emergency & ambulatory care services
- Supports projections of the balance between supply & demand at 5 years intervals

HealthQuery Progress

- ✦ HQ funding was unsuccessful
- ✦ KFI closed down. HQ equipment and intellectual property rights legally transferred to NHF
- ✦ NHF unsuccessfully sought funding from the California Endowment to implement HQ statewide

HQLA

- ✦ Funding from the Good Hope Medical Foundation to pilot in LA County
- ✦ Retained VSQ, Resource Locator and Health Demographics (LA County only)
- ✦ Scaled down Health Demographics to include only population demographics data
- ✦ New feature – links to other sites
- ✦ Health Risk Assessment and Modeling & Simulation were eliminated

HealthQuery California (HQCA)

- ★ Funded by the California Wellness Foundation
- ★ Statewide expansion of HQLA applications (Vital Statistic Query, Resource Locator, and Health Demographics)
- ★ Planning to launch in June 2003

HQCA Proposed Business Plan

- ★ To develop marketing partnerships to drive traffic to HealthQuery
 - Link with other sites
 - Obtain media and public relations opportunities
- ★ Promote viral marketing
- ★ Obtain funding for a full scale HealthQuery marketing program

HQCA Current Business Plan

- ✱ Marketing funds not obtained
- ✱ Hand-off to California Dept. of Health and Services Center for Health Statistics
- ✱ ???