

## Problem

- Health data are **multi-layered**:  
An individual's health is affected by many factors across different layers

### Behavioral & Social Factors

Physical activity Sleep  
Social Networks Stress Diet

### Personal Medical Factors

Medical Records Genomic  
Pharmaceutical BMI

### Environmental Factors

Food & Grocery Pollutants  
Transportation Crime & Incivilities

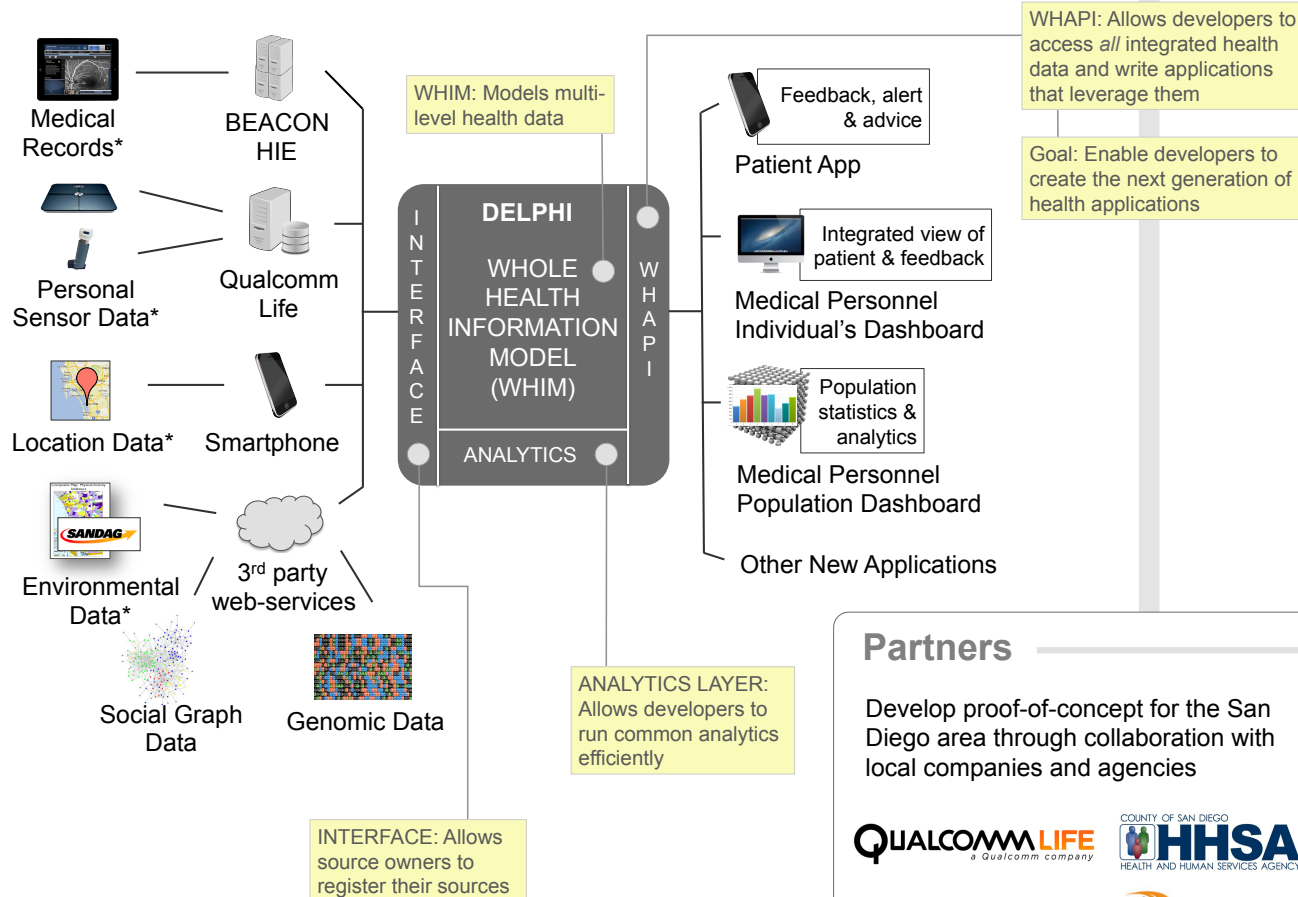
- "Health is place"
- Successful interventions require **reasoning across layers**  
e.g., **diabetes**, **obesity**
- Goal: Create a **360-degree view** of an individual's health by **integrating data** from all layers

## Technical Challenges

- Data Integration across different data types (spatio-temporal, genomic, alphanumeric, unstructured)
- Efficient analytics for such data

## Solution

DELPHI: A platform for the integration of multilevel health data



\* Sources for asthma use case

## Partners

Develop proof-of-concept for the San Diego area through collaboration with local companies and agencies

