



Overview

- User-friendly tool to enable users (DPH staff and public) with no GIS training to interactively map health-related data



Objectives

- Improve the accessibility and visualization of population health data using maps
- Facilitate data use in decision-/policy-making and grant funding opportunities
- Support DPH’s mission to “Protect health, prevent disease and promote health and well-being”



Background

- ISD configured existing web-mapping application in collaboration with DPH
- Data is from GIS repository with thematic mapping data from DPH programs prepared by Epi Unit and provided to ISD
- Supported through County eGIS infrastructure
 - Leverages County resources in GIS technology across departments
 - Eliminates departmental redundancies/cost



DPH Data

- Public Health Centers (PHC) – including Martin Luther King, Jr PHC
- Administrative and Political Boundaries
 - SPA
 - HD
 - Supervisorial District
 - LA City Council Districts
 - Census Tracts (2010)
 - Zip Code



DPH Data Cont.

Thematic maps by:

- City/Communities
 - Life Expectancy at Birth,
 - Park Area per Capita,
 - YPLL due to Heart Disease and Stroke,
 - Prevalence of Childhood Obesity, 2008
 - Economic Hardship Index, 2000
 - Adult Smoking Prevalence, 2007
- Health Districts
 - Campylobacteriosis Rates, 2010
 - Pertusis Rates, 2010
 - Salmonellosis Rates, 2010
 - Coccidioidmycosis Rates, 2010
 - Lead Poisoning Cases <21 years old



Points of Interest

- Arts and Recreation
- Communications
- Community Groups
- Education
- Emergency Response
- Environment
- Government
- Health and Mental Health
- Municipal Services
- Physical Features
- Postal
- Private Industry
- Public Safety
- Social Services
- Transportation



Capabilities

- Fast Zoom in/out
- Pan across basemaps
- Display health data or upload own data
- Save and share project(s)
 - Link; Image; or printable map
- Measure distances and areas
- Export selected data table
- Query an address and find nearest PHC
 - Identify CT or surrounding CT's



Demo

http://egis1.lacounty.gov/SilverlightViewer_1_2/Viewer.html?Viewer=DPH

The screenshot displays the 'GIS Map Viewer' interface for the County of Los Angeles Public Health. The interface includes a search bar at the top right with the text 'Search for map features...'. Below the search bar are navigation tabs: 'Getting Around', 'Maps & Data Sources', 'Tasks', and 'Analysis'. A toolbar contains icons for 'Zoom In', 'Zoom Out', 'Initial Extent', 'Full Extent', 'Previous Extent', and 'Next Extent'. The 'Map Scale' is set to 1:1,132,578, and there is a 'Jump to a map bookmark...' dropdown menu. The 'Map Layers' panel on the left is organized into three sections: 'Operational Layers' with 'Department of Public Health' and 'Points of Interest' checked; 'Base Maps' with 'Street Map' checked and 'Aerial' unchecked, each with a transparency slider; and 'Graphics Layers' which is currently empty. A 'Show Legend' button and a 'Filter' input field are located at the bottom of the panel. The main map area shows a geographic view of the county with various colored overlays and a network of roads. A scale bar at the bottom indicates 20 miles and 25 kilometers. The interface also features a 'I want to...' dropdown menu and a 'Street Map' dropdown menu in the top right corner of the map area.



2011
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County of Los Angeles
 Public Works Headquarters
 900 S. Fremont Ave
 Alhambra, CA 91803

November 16, 2011
 9:00am - 3:30pm
<http://gis.lacounty.gov/gisday>



Questions



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