

Putting
the Pieces
Together

California Healthcare Atlas
Integrating Geography
&
the Data Warehouse

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Presenter:
Michael O'Neill

osbpd



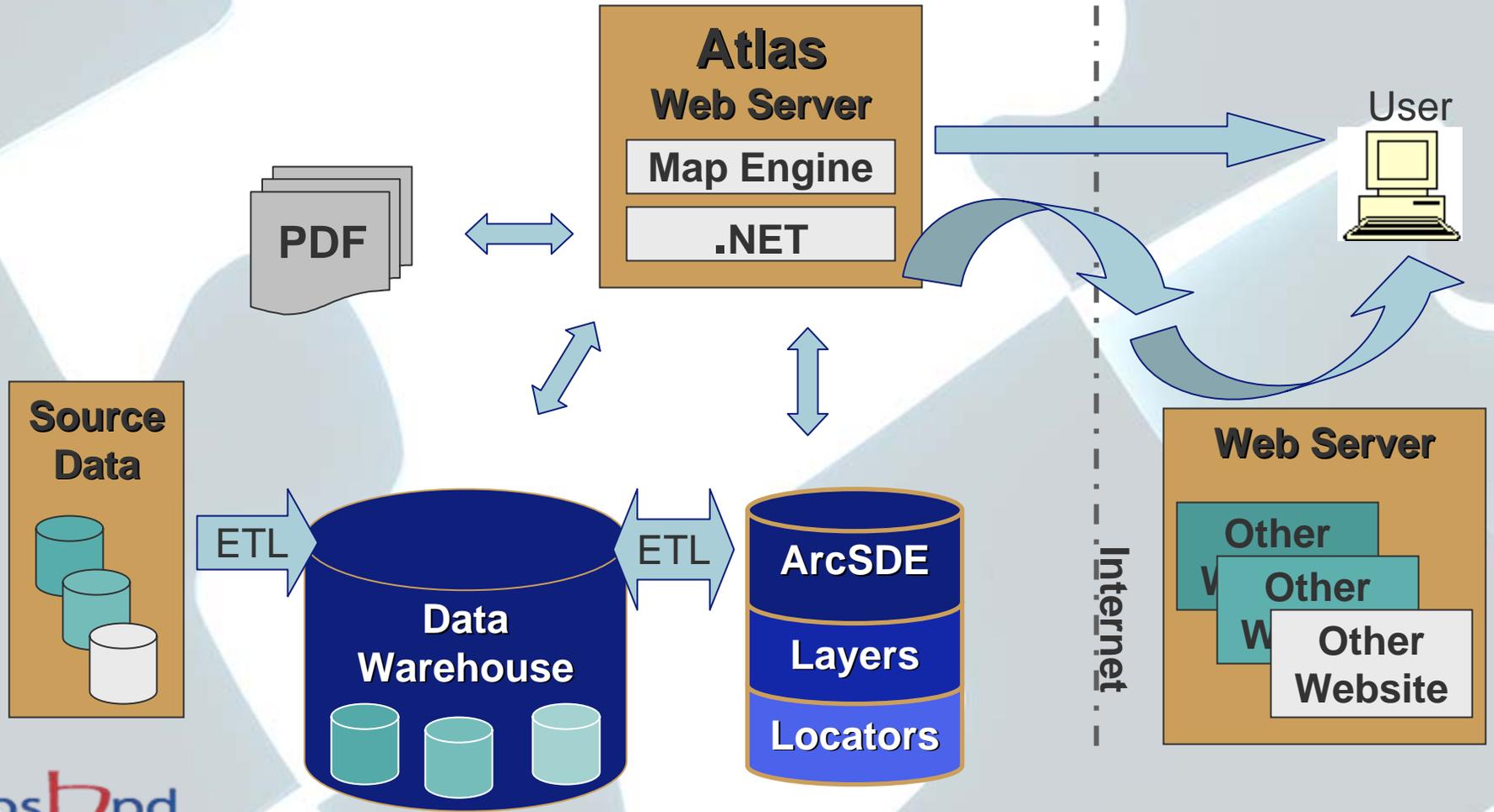
Overview

- **Brief High-level System Architecture**
- **Data Warehouse Summary**
- **History of our Atlas**
- **Live Demonstration**
- **Summary of Atlas' Content & Capability**
- **Future ?**

<http://www.oshpd.ca.gov/atlas>



Atlas System Architecture





About our Data Warehouse



■ Inpatient

- 12 years
- 48M encounters
- 400+ attributes

■ Emergency Dept.

- 3 years
- 26M encounters
- 500+ attributes

■ Ambulatory Surgery

- 3 years
- 11M encounters
- 500+ attributes

■ Facility

- 6350 total facility

■ Financial *

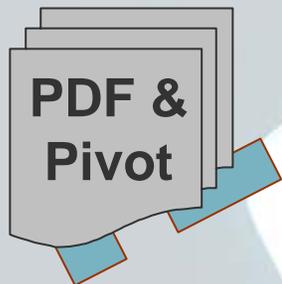
- 5 years in data mart (in progress)
- 33 yrs in mainframe
 - 1741 data elements
- 17 yrs in hospital pivot tables
 - 254 attributes

■ Utilization *

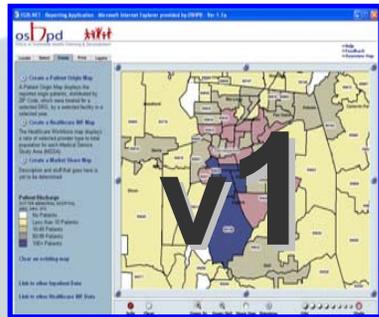
- 5 years in data mart (in progress)
- 4200-2600 reports annually
- 131 to 615 data elements each report



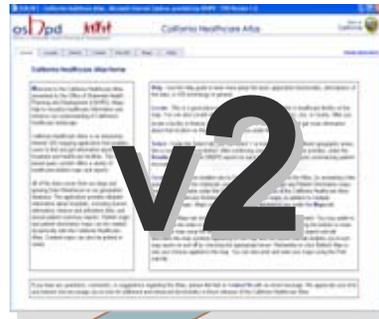
Atlas: Evolving Data Delivery



1995



2005



2007



Delivering healthcare data in increasingly more *meaningful & contemporary* ways.



Live Demonstration – v2.3

- **Locate**
 - Find “things” on the map
- **Select**
 - Discover hospital info & compare
- **Create**
 - Create specific types of thematic maps
- **Other tabs**
 - Results, Map, Help



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Feature: LOCATE

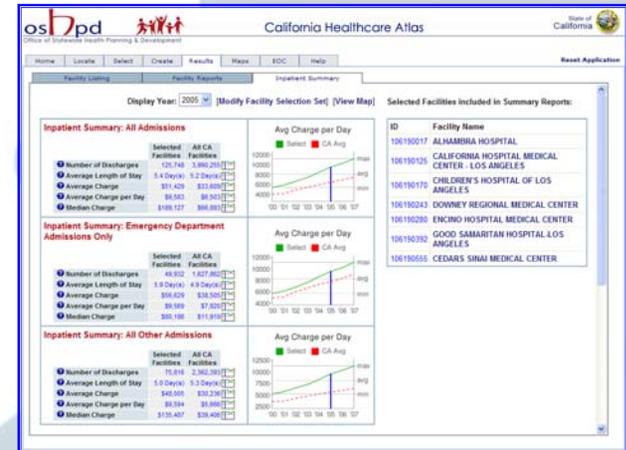
- Locate facilities by a wide variety of selection criteria
- Find...
 - address,
 - ZIP code
 - city,
 - county,
 - medical service study area (MSSA)
 - census tract
 - assembly district
 - senate district





Feature: SELECT

- Select hospitals OR groups of hospitals
- Retrieve...
 - Patient Summaries by Facility
 - Financial Reports
 - Utilization Reports
 - Top 25 Diagnosis Related Group Reports
 - Facility Reports
 - Demographics
 - Birth & Death Vital Statistics (*from CDPH*)
 - Fair Pricing Policies

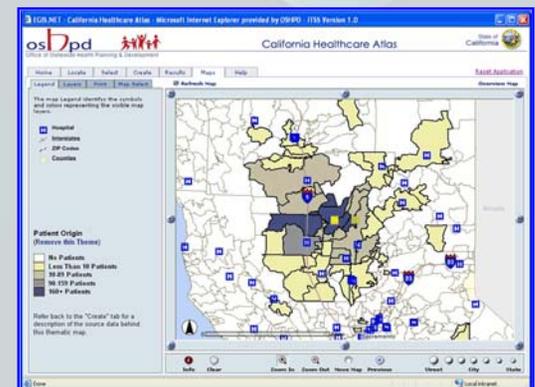




Feature: CREATE

■ Create a variety of maps...

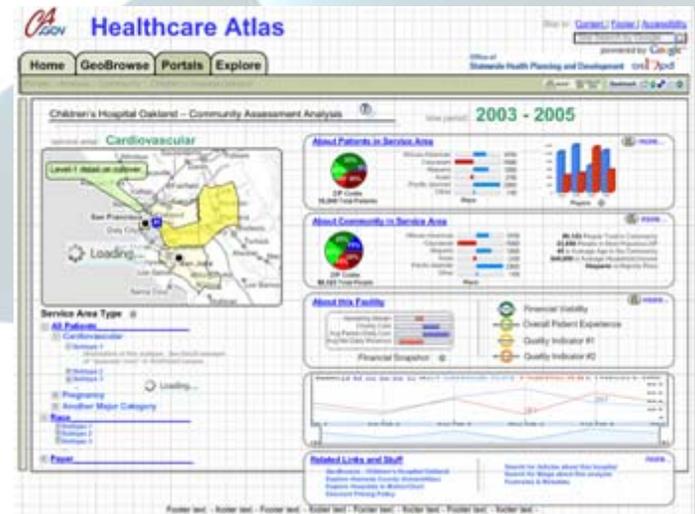
- Patient Origin & Patient Destination
 - Filtered by year, MDC/DRG, payer, gender, age, race, ethnicity
- Vital Record Statistics
- Critical Access Hospitals
- Disproportionate Share Hospitals
- Mental Health Professional Shortage Areas
- Dental Health Professional Shortage Areas
- Primary Care Health Professional Shortage Areas
- Medically Underserved Populations
- Medically Underserved Areas
- Urban Rural and Frontier MSSAs





Vision for the Future ?

- More data integration
- More visualization
- More giving data a voice
- More effective, easier, & faster investigations





Questions ?

Michael O'Neill

gisWebmaster@oshpd.ca.gov

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