



Contract Services for Epidemiology and Immunization Registries

*Presented to the Health Services Advisory Board
November 17, 2016*



SYSTEM ADVANTAGES



LIVE WELL
SAN DIEGO

- Local control over systems to meet local needs
- Capacity to support providers achieving Meaningful Use of Electronic Health Records and link to Health Information Exchange (HIE)
- More timely and complete information collected
- Standardizes process for collecting and managing information
- Reduces manual processes
- Interoperable with other systems to allow for Health Information Exchange
- Centralization of information available for providers (SDIR) and public health disease investigators (WebCMR)



Atlas: Contract for WebCMR (Confidential Morbidity Report)

- Used in Epidemiology since 2003 to register all disease reports submitted to Public Health Services
- Documents disease investigations and stores medical records
- Facilitates collection, management, and reporting of public health information for disease control activities
- Used to manage data for the Childhood Lead Poisoning Prevention Program
- Accepts electronic reports from hospitals and labs
- Estimated cost is \$450,000 per fiscal year
 - System maintenance
 - Development of new modules (e.g. Zika, CLPPP)
 - Interface development



- WebCMR has additional functionality:
 - Specialized modules
 - Custom workflows
 - Custom reports for childhood lead poisoning disease
 - Custom reports for local reportable conditions
 - Extensive auditing
 - Surveillance data infrastructure
- Having a locally controlled system allows system administrative capability:
 - Manage and authorize users
 - Perform system, workflow, and staff audits
 - Implement flexible solutions within the system

OUTCOMES: WebCMR



- 19,000+ disease reports registered annually
- 40,000+ medical records and lab reports attached to cases
- Used by 6 Public Health Programs
 - Epidemiology, TB, Immunizations, Public Health Lab, Border Health, Childhood Lead Poisoning Prevention Program
- Electronic lab reporting with 6 labs
- Part of Public Health Hub for San Diego Health Connect (HIE)
- Accepted by California Department of Public Health as local disease registry system

CHALLENGES and OPPORTUNITIES: WebCMR



LIVE WELL
SAN DIEGO

- Electronic Lab Reporting
 - Live with Scripps, Sharp, Rady's, Palomar, Tri-City, Quest
 - Testing with Kaiser, UCSD, Tri-City, Planned Parenthood
- Connecting the health care community
- Enable Meaningful Use reporting by providers
- E-Linkages with San Diego Health Connect HIE
- E-Linkages with other disease registries (e.g. death)
- Expanded exchanges with California Department of Public Health
- Syndromic surveillance for detection of events
- Meaningful Use Stage 3 (2018)



Software Partners: Contract for San Diego Immunization Registry (SDIR)

- Developed in 1993 as the local Immunization Information System
- Web-based system since 2004
- Documents immunizations given and forecasts vaccines due
- Used by medical providers and schools
- Estimated cost is \$450,000 per fiscal year
 - System maintenance
 - System updates (e.g. new vaccines or changes in the immunization schedule)
 - Interface development
 - Quality assurance

SYSTEM ADVANTAGES: SDIR



- SDIR has roster report used by some schools
- SDIR has audit trail to identify, who, when and what has been done to immunization record
- SDIR has function for QA reports on the incoming data to identify errors
- SDIR has a matching function (Master Patient Index)
- SDIR has bidirectional query capacity, allowing medical systems to electronically obtain patient records from SDIR

OUTCOMES: SDIR



- Mature system to track immunizations in 600+ sites, including community health centers, public health centers, and pediatric practices in the county
- Available in 42 school districts for read-only access
 - San Diego Unified School District enters data
- Direct interfaces:
 - Rady Children's Hospital, Family Health Centers of San Diego, Southern Indian Health Services, San Diego Family Care, Walmart, and County Public Health Information System
- Integral part of Public Health Hub associated with Health Information Exchange
 - Hospital/Health System interfaces (UCSD, Kaiser, Sharp, Palomar, Sharp Rees-Stealy, Scripps Clinics, Tri-City)

CHALLENGES and OPPORTUNITIES: SDIR



LIVE WELL
SAN DIEGO

- Continued expansion of participation by local providers and pharmacies
- Future ability to use SDIR to determine coverage rates
- Interoperability with California Immunization Registry
- Ongoing Quality Assurance of data coming into the system via interfaces

TODAY'S REQUEST



SDIR: Approval to negotiate with Software Partners for a one-year contract, with four optional years through June 30, 2022, for maintenance and enhancements of the San Diego Immunization Registry.

WebCMR: Approval to negotiate with Atlas Development Corporation for a one-year contract, with four optional years through June 30, 2022, for maintenance and enhancements of the WebCMR system.



THANK YOU

For More Information

Karen.Waters@sdcounty.ca.gov

619-692-5633

COUNTY OF SAN DIEGO



HHSA

HEALTH AND HUMAN SERVICES AGENCY