San Diego County Immunization Registry (SDIR) Meaningful Use 2011-2012

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San Diego Immunization Registry (SDIR)

- **SDIR** – Electronic immunization information system (IIS) used by the community to improve regional immunization levels
  - IZ database for patient medical record retention and mobility
  - Provides a “vaccine due” forecast to providers (Decision support)
  - Reduces over or under vaccination while increasing community immunization coverage rates

- **318 organizations utilize SDIR in the San Diego region**
  - Public and private health care facilities (170)
  - School Districts (42), Private/Charter Schools (35), Colleges (3), childcare facilities and Head Start (19)
  - WIC (5), County programs (35), and Health Plans (4)
  - San Diego Unified School District comprises ~50% of County students; “read/write” capacity and has added 177,701 records (223 schools)
San Diego Immunization Registry (SDIR)

- SDIR IIS
  - Web-based use ~ 60% records
  - Electronic exchange ~ 40% records
  - 8 active interfaces
  - HL7 2.3, 2.5, Continuity of Care Document (CCD)

- SDIR Capacity
  - 2,135,574 patients in SDIR
  - 19,261,234 immunizations in SDIR

San Diego County population 3.14 million
California Immunization Registry (CAIR)

CAIR comprises 10 Regions
San Diego is Region IX

California Pop* 37,253,956

San Diego Pop* 3,095,313 (~8% of CA)

+ SDIR uses MatchMerge (Software Partners)

*2010 Census
CONCEPTUAL MODEL – SDIR and San Diego BEACON HIE

SAN DIEGO BEACON HEALTH INFORMATION EXCHANGE (HIE)

LARGE MEDICAL SYSTEM
COMMUNITY CLINIC
PRIVATE MEDICAL OFFICE

SAN DIEGO COUNTY IT NETWORK

SAN DIEGO COUNTY Health & Human Services Agency

IZD data operation under authority of the San Diego County Health & Human Services Agency

Real-time synchronization

[VPN] point-to-point, HTTPS or Mirth
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SDIR MU Testing System

Software is certified; Identical in both (Software Partners)
SDIR MU Testing Process

• PROCESS:
  • Registration with SDIR
  • Provide Documentation (SDIR & MU Testing Specifications)
  • Meeting (SDIR, SDIR vendor, Clinic, Clinic vendor)
  • SDIR or SDIR vendor (Software Partners, SWP) provide Testing Credentials (SITEID, Login, Password, URL)
    • Early SWP provided credentials manually, now semi-automated

• TECHNICAL:
  • HTTPS, SFTP, email attachment, CCD
  • SDIR staff primarily facilitate HTTPS, email
  • Software Partners (SDIR vendor,) facilitates CCD, SFTP
    • 2 CCD tests to-date, 0 SFTP
SDIR MU Testing Status (2011/2012, to-date)

- **TESTING CRITERIA**
  - Facility/SITE ID, DOB, address, CVX code, and administration date
  - HL7 version 2.3.1 or higher

- **BACKGROUND:**
  - First test 9/19/2011, manual process (i.e. initial interface steps)
  - MU Testing System recently semi-automated, SDIR staff testing

- **TESTING ESTIMATES** (organizations tested; not each facility; provisional)
  - 97 -- TESTED-PASS
  - 5 -- TESTED-FAILED
  - 28 -- NOT TESTED