

Immunization Registry Support for Bio-terrorism Preparedness: Los Angeles

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AIRA Annual Membership Meeting

October 28, 2002



Outline

- Registries and BT
- Background on CA SIIS
- Assumptions in Los Angeles
- Work Plan details



Registries and BT

Why are registries good for BT activities?

- Population based, at least for children
- Familiar application to end-users in the field
- Specialized functions that can be leveraged:
 - Immunization scheduler
 - Vaccine inventory
 - Adverse event management



Background on CA SIIS

- Regionalized approach to registry deployment – total of 9 regions
- Multiple products in place – CAIR used in 6 regions including Los Angeles
- CAIR maintained by HLN, developed with assistance of an active user group and State direction
- BT enhancements to be funded by LA but jointly developed by all CAIR regions



Justification

- Existing CAIR application will be leveraged, making the project cost effective and quicker to complete
- CAIR already had the main functionalities needed
- CAIR already in use in LA and being deployed among the very providers who will be active in a BT response



Initial Departmental Concerns

- Divided field of thought: develop a comprehensive BT response system or link to existing systems (like CAIR)?
- How much should CAIR do versus other BT system components?
- Will CAIR be able effectively interface with other systems as needs (NEDSS, lab)?
- Will CAIR be able to handle the volume in an outbreak?



Registry Concerns

- Disclosure (Does it need to be done? How?)
- Physical safety of system (*e.g.*, backup server in offsite location)
- Access: How do we give the right providers the right access in a timely manner?
- Limit “interference”: can BT features only be activated in the application when needed and not clutter up screens when not?



Assumptions in Los Angeles

- Mass vaccination campaigns will likely need to initially store records external to the main database due to legal constraints
- New users may need to begin working quickly, so applications need to be easy and training requirements minimized
- Not sure about links to LA HAN project
- Various scenarios may require special networking (e.g., wireless – roaming or fixed location)



Work Plan

1. Develop protocol for new information:
 - Adult BT vaccines
 - Antibiotics
 - Possibly new paper data entry form
 - Preliminary database structure implications
 - Review of disclosure rules



Work Plan *(continued)*

2. System Specifications and Requirements

- Data storage strategy
- Adverse events/contraindications
- “Quick add” for mass vaccination campaigns
- “Outbreak” database
- Possible HAN directory service access
- New vaccines and possibly antibiotics
- Reminder/recall changes
- Changes to reports
- New searching, de-duplication, merging



Work Plan *(continued)*

3. Software coding and testing per the specifications
4. Additional *ad hoc* query support
5. Documentation and training materials
6. Implementation, training, and implementation

