

Acute Communicable Disease Control Program

An introduction to the mission, activities and nursing components of ACDC



ACDC

- Mission/Vision
- General program objectives
- ACDC program activities
- ACDC sections/units
- Nursing program components



Mission

To prevent and control communicable disease* in Los Angeles County utilizing the tools of surveillance and outbreak response, education, and preparedness.

*other than STD, TB, HIV/AIDS



Vision

Los Angeles County residents are free of preventable communicable disease; Public Health prepared to meet the challenge of emerging diseases.



Program Activities

- Conduct surveillance for over 80 diseases and disease syndromes
- Investigate disease outbreaks and recommend control measures
- Conduct special studies and projects
- Produce annual reports, special analysis, and procedure manuals
- Consult with Health Care Workers including DPHNs on communicable diseases



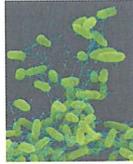
Food Safety Unit

- Salmonellosis
- Campylobacteriosis
- Shigellosis
- E. coli O157:H7
- Typhoid disease
- Listeriosis/Vibriosis/ Fish Toxin Poisoning
- Foodborne outbreaks



Salmonella Outbreak

- 10/15/08 ACDC received a report of GI illness at 28 pre-school sites in SPAs 2 and 7
- All pre-schools received food from one central location
- 596 children, staff, and family members ill
- 309 cases were lab confirmed as *Salmonella javiana*



Outbreak Interventions

- ACDC in collaboration with District PHNs
 - Collected stool samples from staff members
 - Conducted interviews of 160 staff and parents and/or guardians of the 1600 children who attended the 28 pre-schools
 - Provided continuous health education to staff
 - Made continual visits to sites to observe compliance of outbreak recommendations
- Outbreak source was epidemiologically linked to a raw food source



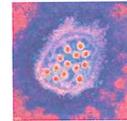
Bloodborne Pathogen Unit

- Hepatitis A
- Hepatitis B
- Hepatitis C
- Antibiotic Resistance Bacteria Surveillance



Hepatitis A Outbreak

- 2/26/07 ACDC was notified of a food worker, who worked for a catering company, diagnosed with Hepatitis A on 2/24/09
- The food worker prepared food for 13 catered parties during his infective period of 2/3-2/20
- 3600 people were at risk for infection
- One of the parties catered was the Sports Illustrated Swimsuit Party which had many models and celebrities in attendance



Hepatitis A Outbreak

- 2/27/07 DPH issued a press release
- ACDC collaborated with DPHN
 - Conducted interviews
 - Provided education on Hepatitis A
 - Provided Immune globulin (IG) treatment
- No secondary cases were associated with this outbreak



Vector Borne, Waterborne and Subacute Unit

- West Nile Virus
- Meningococcal Disease
- Malaria
- Dengue
- Lyme
- Cryptosporidiosis
- Giardiasis
- Amebiasis



Invasive Meningococcal Infection at a LAC High School

- 11/14/06 a local hospital reported one culture positive case of *Neisseria meningitidis* in a high school student
- A second critically ill student was reported as a suspect case the same day
- Both students attended the same high school



Interventions

- ACDC interviewed the 2 students and their families. The students:
 - Denied knowing each other
 - Did not share any classes
 - Did not participate in the same activities/sports
- ACDC collaborated with DPHN and held 2 POD clinics at the school for those who had direct contact with the 2 ill students
- Over 3000 students and teachers were evaluated
- 2861 people received prophylactic medication (single-dose of Cipro)



Hospital Outreach Unit

Public Health Nurses:



- Serve as liaisons between Public Health and LAC Hospitals and other Healthcare Facilities
- Increase mandatory disease reporting
- Investigate and manage hospital outbreaks



Hospital Outreach Unit Activities

- Kawasaki
- Legionella
- Coccidioidomycosis
- Coroner's investigation
- Special projects



Planning, Evaluation, & Response Section

- Annual and special studies reports
- Communicable disease manual (B-73)
- Pandemic influenza planning
- Plan, evaluate, train, and educate partners in response to a potential or actual biologic incident which may be the result of bioterrorism



Contact Us!

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