

ACDC: Outbreak in Healthcare Facility



Assess

- Pertinent Healthy People 2010 Leading Health Indicators**
- Environmental Quality
 - Mental Health
 - Immunization
 - Responsible Sexual Behavior
 - Access to Health Care

- Nursing Practice**
1. Review outbreak form when received from Public Health Nursing Supervisor (PHNS) & on the Nursing Practice Management System (NPMS). Document Date/Time/Signature on referral when received from PHNS.
 - a. Lab data
 - b. Disease
 - c. Symptoms (duration)
 2. Analyze the report for:
 - a. Lab data
 - b. Disease
 - c. Symptoms (duration)
 3. Assess for other facility needs/concerns unrelated to the outbreak.
 - a. Date of onset
 - b. Incubation period
 - c. Source
 - d. Mode of transmission
 - e. Period of communicability
 - f. Specific treatment
 - g. Control measures
 - h. Number of staff/patients affected
 - i. Size/type of facility
 - j. Name of facility liaison

Diagnose

1. Verify the medical diagnosis & determine the priority of action:
 - a. Review Section/page D1-D2 of the Public Health Nursing Practice Manual for priority per Acute Communicable Disease Control (ACDC) or determine the priority of action in consultation with the PHNS as needed. Document priority selected.
2. Consider facility's need for nursing interventions based on the medical diagnosis.
3. Consider facility's need for nursing intervention to promote health, facilitate well-being, foster healing, alleviate suffering & improve quality of life.

Identify Outcomes

- Outcome Objective:**
1. Prevent the spread of communicable diseases within families, communities, health facilities, or other site.
- Nursing Practice:**
1. Determine & document specific health needs/goals for the facility.



Other References

- Health Education Materials
- Public Health Nursing Practice Manual
- ACDC Manual (B-73)
- Control of Communicable Disease Manual

Plan

Plan for the following Public Health Nursing Interventions:

1. **Disease and Health Event Investigation:**
 - a. Review ACDC Manual (B-73) for:
 - Symptoms, incubation period, source, mode of transmission, period of communicability, specific treatment, & control measures
 - b. Obtain educational & resource materials.
 - c. Obtain specimen containers if applicable.
 - d. Elicit epidemiological data.
 - e. Determine if outbreak exists at initial visit.
 - f. Request outbreak number from the Morbidity Unit if needed, and if no outbreak, refer back to PHNS.
 - g. Establish liaison for facility if not already done.
 - h. Relate outbreak to time, place, person (when?, where?, who?).
 - i. Analyze probable causative factor (how?, why?).
 - j. Analyze actual/potential for spread of disease.
 - k. Take appropriate action in the event of sensitive occupation or situation (see B-73).
 - l. Evaluate extent of illness in patients/staff/community.
 - m. Review staffing at the facility (staff assignment/case relationship, staff/patient ratio, number of employees & patients, and total capacity).
 - n. Conduct environmental assessment (bathrooms, laundry, trash, kitchen, etc.). Note deficiencies & report to LA County DPH Health Facilities Licensing & Certification Division via H-1164 Sub-Act.
 - o. Review and institute appropriate control measures.
 - p. Document on epidemiological form.
 - q. Complete line listing of cases involved.
 - r. Complete a facility floor plan, noting locations of cases and contacts.
 - s. Maintain a desk card on outbreaks that require more than one-month follow-up for resolution.
 - t. Initiate a medical record.
2. **Case Management:**
 - a. Implement a facility management plan based on interpretation of findings.
 - b. Notify public health laboratory about outbreak after obtaining outbreak number from the Morbidity Unit, name of facility, and number of anticipated specimens.
3. **Surveillance:**
 - a. Monitor case/contact(s) until cleared/closed.
 - Submit specimens as indicated.
 - b. Monitor facility for further outbreaks.
4. **Health Teaching/Counseling:**
 - a. Educate staff, patients, and/or families regarding symptoms, source, incubation period, mode of transmission, period of communicability, & precautions needed to prevent spread of infection.
5. **Collaboration:**
 - a. Collaborate with AMD in writing the recommendations to facility for outbreak control.
6. **Referral and Follow-up:**
 - a. Review control measures, treatment, and/or prophylaxis recommendations of AMD with facility administrator or designee in the form of a written letter from AMD.
 - b. File Foodborne Illness report (H-26) with the Morbidity Unit if illness relates to commercial establishment or product outside of facility.
 - c. Contact LA County Environmental Health Food and Milk Program (626-430-5400) if applicable.
7. **Other:**
 - a. Plan interventions needed to assist facility with needs and concerns unrelated to outbreak.

Implement

1. PHN interventions are implemented as stated in the plan.
2. Document all consultations, collaborations, interventions and facility encounters on the epidemiological form(s), and/or progress notes/NPMS.

Evaluate

1. Evaluate effectiveness of interventions on the health of the contacts:
 - a. Verify and document facility compliance with the recommendations.
2. Evaluate adherence by the facility to the recommendations for control.
3. Determine action for non-adherent facility:
 - a. Consult with PHNS.
4. Complete investigation forms:
 - a. Submit interim report as needed until case closed.
 - b. Submit final report within 10 days of closure or timeframe agreed upon in consultation with PHNS.
5. Evaluate client satisfaction.
 - a. Give client satisfaction form to the facility/agency representative for completion and submission in a pre-addressed, stamped envelope.