Ebola Virus Disease Outbreak Response: An Epidemiological Perspective

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Contact Tracing

- Contact tracing was completed through several contact lists
  - Flight manifests
  - Close contacts identified by the index case
  - Airport personnel list
  - Bridal shop customer list
- Epidemiology strike team was developed
Phone interviews were completed with a standard questionnaire from the CDC.

A total of 24 contacts were interviewed.

1 of the 24 contacts was interviewed in person.

All 24 contacts received Ebola monitoring packets.
Four distinct monitoring tiers:
- Tier 1 (Quarantine)
- Tier 2A (Direct Active Monitoring)
- Tier 2B (Active Monitoring)
- Tier 3 (Self-Monitoring)
- Tier 4 (Education)
## Monitoring

<table>
<thead>
<tr>
<th>Tier Type</th>
<th>Number of Patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tier 1 (Quarantine)</td>
<td>0</td>
</tr>
<tr>
<td>Tier 2A (Direct Active Monitoring)</td>
<td>0</td>
</tr>
<tr>
<td>Tier 2B (Active Monitoring)</td>
<td>5</td>
</tr>
<tr>
<td>Tier 3 (Self-Monitoring)</td>
<td>17</td>
</tr>
<tr>
<td>Tier 4 (Education, No Monitoring Required)</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>24</strong></td>
</tr>
</tbody>
</table>
Successes

- Excellent teamwork and collaboration
- CDPH brought together the hospital systems
- Successfully utilized the 211 phone system
- All contacts were successfully monitored
- No contacts developed Ebola
Challenges

- Controlling public fear and panic
- Lack of initial guidance from the CDC
- Inconsistent information on the residence of flight passengers
- Difficulty in reaching some of the contacts
- Dealing with stigmas
Lessons Learned

- Highlighted importance of public health preparedness and response
- Review infectious disease protocols frequently
- Conduct drills to refresh incident command and response skills
- Availability of mental health resources