## Technical Appendix

**Technical Appendix Table.** Select Centers for Disease Control and Prevention Emergency Response and Recovery Branch humanitarian emergency responses conducted, by year, type of emergency, activity, and partner, 2007–2016*

<table>
<thead>
<tr>
<th>Year</th>
<th>Type</th>
<th>Country or region, nature of emergency</th>
<th>Description of activities</th>
<th>Partners for activities</th>
</tr>
</thead>
</table>
| 2007 | CE   | Sudan (Darfur, southern Sudan)         | 1. Supported USAID's OFDA DART  
2. Conducted emergency food security and nutrition assessment  
3. Assessed clinical care access among returning refugees  
4. Provided technical assistance for WASH interventions for hepatitis E outbreak | 1. USAID/OFDA  
2. World Food Programme, UNICEF  
3. Southern Sudan Ministry of Health, UNHCR  
4. Southern Sudan Ministry of Health, WHO |
| 2008 | CE   | Zimbabwe political instability and cholera outbreak | 1. Supported DART on WASH activities for cholera response  
2. Evaluated cholera WASH response activities  
3. Investigation of high rates of community-based cholera deaths (1) | 1. USAID/OFDA  
2. UNICEF  
2. Consortium of Humanitarian Agencies, Antares Foundation |
| 2010 | ND and CE | Haiti earthquake and cholera outbreak | 1. Established sentinel site surveillance systems (4,5)  
2. Conducted nutrition assessment and provided technical assistance for supplemental immunization activities  
3. Conducted rapid assessments of water access and quality in IDP camps and cholera-affected areas  
4. Provided technical assistance with maternal surveillance  
5. Supported UN coordination of response | 1. PAHO, Haiti MSPP  
2. UNICEF, MSPP  
3. Haiti DINEPA  
4. UNFPA, PAHO  
5. PAHO, MSPP |
| 2010 | ND   | Pakistan floods | 1. Expanded and strengthened EWARN (6)  
2. Conducted emergency nutrition surveys in flood-affected areas  
2. UNICEF  
3. WHO, Pakistan Ministry of Health |
<table>
<thead>
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<th>Country or region, nature of emergency</th>
<th>Description of activities</th>
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<tr>
<td>2016</td>
<td>CE</td>
<td>Nigeria, displacement crisis</td>
<td>1. Conducted survey to estimate acute malnutrition and infectious diseases rates&lt;br&gt;2. Conducted expert review on nutrition quality and mortality rate data in affected areas for possible famine declaration</td>
<td>1. UNICEF&lt;br&gt;2. FAO</td>
</tr>
</tbody>
</table>

*CE, complex emergency; DART, Disaster Assistance Response Team; DINEPA, National Directorate for Potable Water and Sanitation; EWARN, Early Warning Alert and Response Network; FOA, Food and Agriculture Organization; IDP, internally displaced person; ND, natural disaster; MSPP, Ministry of Public Health and Population; OFDA, Office of Foreign Disaster Assistance; PAHO, Pan-American Health Agency; UNHCR, United Nations High Commissioner for Refugees; UNICEF, United Nations Children’s Fund; UNFPA, United Nations Population Fund; USAID, US Agency for International Development; WASH, water, sanitation, and hygiene; WHO, World Health Organization.*

**References**


