

# LOCAL HEALTH DEPARTMENT DISEASE INVESTIGATION STEPS

NC REPORTABLE DISEASE/CONDITION	INFECTIOUS AGENT (S)
<b>FOODBORNE POISONING</b>	<b><i>Mushroom toxins</i></b>
<b>PREPARING FOR INVESTIGATION</b>	
<b>KNOW THE DISEASE/CONDITION</b>	<ul style="list-style-type: none"> <li>• Read about <i>Foodborne Poisoning</i> in the CD Manual.</li> <li>• See the case definition for Foodborne Poisoning: Mushroom in the CD Manual.</li> <li>• Refer to USFDA, Bad Bug Book: Mushroom Toxins at: <a href="http://www.cfsan.fda.gov/~mow/chap40.html">http://www.cfsan.fda.gov/~mow/chap40.html</a></li> <li>• Print and review reporting forms:</li> </ul> <p><i>Part 1: Confidential Disease Report (DHHS 2124)</i>  <i>Part 2: Foodborne Poisoning: Mushroom (DHHS/EPI #131)</i></p>
<b>CONDUCTING INVESTIGATION</b>	
<b>COLLECT CLINICAL INFORMATION</b>	<ul style="list-style-type: none"> <li>• If patient hospitalized for this disease, obtain medical record (admission note, progress note, other lab report(s), and discharge summary).</li> <li>• Obtain healthcare provider clinical notes from date(s) of service for this disease/condition.</li> <li>• Look for evidence in the medical record that supports clinical findings described in the case definition.</li> </ul>
<b>REVIEW LABORATORY INFORMATION</b>	<ul style="list-style-type: none"> <li>• There are no specific laboratory tests to confirm these diseases in humans.</li> <li>• Evaluate the laboratory results from the hospital admission, if applicable, to determine if the requirements of the case definition are satisfied.</li> <li>• Contact the CD Branch if there are suspect mushrooms still available for toxin testing or identification.</li> </ul>
<b>APPLY THE CASE DEFINITION</b>	<ul style="list-style-type: none"> <li>• Use the case definition to determine if the clinical and laboratory findings meet the case definition criteria.</li> </ul>
<b>IMPLEMENTING CONTROL MEASURES</b>	
<b>ATTEMPT TO IDENTIFY SOURCE OF EXPOSURE</b>	<ul style="list-style-type: none"> <li>• Review clinical records and interview patient or contacts for potential source(s) of exposure.</li> <li>• Mushroom intoxications are typically associated with wild mushrooms collected by private individuals. If suspected mushrooms were purchased from a vendor of any kind, immediately dispatch environmental health specialist to investigate mushrooms and determine their point of origin.</li> </ul>

<p><b>IMPLEMENT CONTROL MEASURES TO PREVENT DISEASE AND ADDITIONAL EXPOSURES</b></p>	<ul style="list-style-type: none"> <li>• Embargo suspect mushrooms if applicable.</li> <li>• Consult with the CD Branch to arrange for mushroom toxin testing or species identification. NOTE: The CD Branch will have to contact university researchers or CDC for assistance; mushroom intoxications are rare events in North Carolina.</li> </ul>
<p><b>REPORTING INVESTIGATION</b></p>	
<p><b>REPORT TO NC COMMUNICABLE DISEASE BRANCH (CD)</b></p>	<ul style="list-style-type: none"> <li>• Enter Part 1 and Part 2 Communicable Disease Reports into NC EDSS as a new event, or update the existing event if already entered.</li> <li>• Assign event to State Disease Registrar when case investigation complete.</li> </ul>
<p><b>CASE FINDING</b></p>	<ul style="list-style-type: none"> <li>• During the course of the investigation, interview other exposed individuals for symptoms of illness.</li> <li>• Refer symptomatic individuals to healthcare provider for evaluation.</li> </ul>
<p><b>SPECIAL CONSIDERATIONS</b></p>	
<p><b>STATE LABORATORY OF PUBLIC HEALTH (SLPH) TESTING</b></p>	<ul style="list-style-type: none"> <li>• Not applicable.</li> </ul>
<p><b>PUBLIC HEALTH PREPAREDNESS AND RESPONSE (PHPR)</b></p>	<ul style="list-style-type: none"> <li>• Not applicable.</li> </ul>
<p><b>PERSONAL PROTECTIVE MEASURES</b></p>	<ul style="list-style-type: none"> <li>• Not applicable.</li> </ul>
<p><b>RISK COMMUNICATION</b></p>	<ul style="list-style-type: none"> <li>• Consider using risk communication tools conservatively if this is a low profile, naturally-occurring case.</li> <li>• NC DHHS Public Information Office (919) 733-9190 is available to assist local health departments as needed.</li> </ul>