LOCAL HEALTH DEPARTMENT DISEASE INVESTIGATION STEPS			
NC REPORTABLE DISEASE/CONDITION		INFECTIOUS AGENT(S)	
TYPHOID FEVER, ACUTE		S. Typhi	
PREPARING FOR INVESTIGATION			
KNOW THE DISEASE/CONDITION	 See Stu Ma Ref 	ad about Typhoid Fever in the CD Manual. the case definition for Typhoid Fever, Acute. dy APHA Control of Communicable Diseases nual, 20 th ed. er to Red Book, 2015 Report of the Committee nfectious Diseases, 30 th edition.	
	Paratyphoid Fever		
	• Par	atyphi A, B, or C is to be reported as Salmonella and control measures for Acute Typhoid Fever are to be used. All Paratyphi B samples that have a lab result listed as "var L + tartrate +" are associated with routine gastrointestinal disease. These are to be reported and investigated as "Salmonella (38)".	
	• Prir	at and review reporting forms:	
		t 1: Confidential Disease Report (DHHS 2124) t 2: Typhoid Fever, Acute (DHHS/EPI #44)	
CONDUCTING INVESTIGATION			
COLLECT CLINICAL INFORMATION	 merche and Obt date Loo sup defi Rev sur 	atient hospitalized for this disease, obtain dical record (admission note, progress note, st x-ray(s), biopsy report(s), other lab report(s), discharge summary). ain healthcare provider clinical notes from e(s) of service for this disease/condition. k for evidence in the medical record that ports clinical findings described in the case nition. riew surveillance for completeness. If veillance not complete contact healthcare vider.	

REVIEW LABORATORY INFORMATION APPLY THE CASE DEFINITION	 Evaluate laboratory results to determine if requirements of the case definition are satisfied. Serologic evidence alone is not sufficient for a diagnosis. Isolation of the organism is required. Recommend reporting laboratory forward the specimen to the SLPH. Use the case definition to determine if the clinical and laboratory findings meet the case definition criteria.
IMPLEMENTING CONTROL MEASURES	
ATTEMPT TO IDENTIFY SOURCE OF EXPOSURE	 Interview case regarding travel history. Obtain food history to include seafood (particularly oysters), water source, raw fruits/vegetables, milk/milk products. Include food source (location seafood acquired from, restaurant, grocery store, deli, etc.) Ask about contact to other individuals with similar signs and symptoms. Make every effort to find the source of the illness. Include environmental health section in the investigation. Inform CD Branch of the case.
IMPLEMENT CONTROL MEASURES TO PREVENT	All cases must have 3 consecutive negative stool
DISEASE AND ADDITIONAL EXPOSURES	(and urine cultures in areas endemic for schistosomiasis) at least 24 hours apart with initial culture being done 48 hours after completion of antibiotics and not earlier than 1 month after onset. If any of these results are positive, repeat cultures at monthly intervals until at least 3 consecutive negative cultures are obtained.
	Food Employees In addition to the first bullet above: Exclude from food handling until asymptomatic, and culture negative, and following best practice hand hygiene. Inform environmental health specialist and CD Branch that a food handler has been excluded.
	Healthcare Employees In addition to the first bullet above: If healthcare worker with direct patient care, same exclusion criteria as food handler apply.
	 Childcare Employees/Attendees In addition to the first bullet above: If childcare attendee younger than 5 years of age, exclude until 3 negative stool specimens. For those 5 years of age and older, exclude until 24 hours without diarrhea. Supervised hand washing of class should be encouraged.

IMPLEMENT CONTROL MEASURES TO PREVENT DISEASE AND ADDITIONAL EXPOSURES	If positive s. typhi case in childcare attendee or staff member, stool specimens should be done on other attendees and staff members. Those who test positive should be excluded. Contents C
	Household ContactsHousehold contacts of cases should not be
	 Produce hold contacts of cases should not be employed in sensitive occupations (food handlers/healthcare workers, childcare worker etc.) until two negative stool at least 24 hours apart have been obtained. Case and contacts should be instructed in proper hand washing before preparing, eating or serving food and after defecation. Health department representative should be confident that proper hand washing technique is being followed.
REPORTING INVESTIGATION	
REPORT TO THE NC COMMUNICABLE	Enter Part 1 and Part 2 Communicable Disease
DISEASE BRANCH (CD)	 Enter Part 1 and Part 2 Communicable Disease Reports into NC EDSS as a new event, or update the existing event if already entered. Assign event to State Disease Registrar when case investigation complete.
CASE FINDING	During the course of the investigation, look for symptoms of the disease in other exposed individuals (other infants in daycare or household contacts, for example).
SPECIAL CONSIDERATIONS	
ANTIBIOTIC USE	Antibiotic treatment is recommended.
TYPHOID VACCINE	 Although typhoid vaccine is of limited value to those exposed to active cases, it may be considered for use in those individuals who have been exposed to carriers.
RISK COMMUNICATION	 Cases of this disease may pique interest among media, health professionals, government officials, and the public. Be prepared to answer questions and provide information. NC DHHS Public Information Office (919) 733-9190 is available to assist local health departments as needed.