**North Carolina Anaplasmosis** Always follow your **Surveillance Case Classification** CD Confirmatory laboratory evidence: investigation Algorithm • PCR or NAAT (+) OR policy • 4-fold change\* in IgG-specific antibody titer Presumptive laboratory evidence: regarding # Refer to NC Cd Manual for detailed information No by IFA in paired serum samples taken 2-10 of attempts IgG antibody titer by weeks apart **OR** for records IFA **≥1:128 OR** •Biopsy or autopsy IHC (+) OR and submit • Microscopic identification, smear (+) •Culture (e.g., PCR or sequencing) (+) **Any** of the following to state as Suspect symptoms: Yes Fever when max • Chills/sweats attempts Yes reached. Headache Fever? Not a case Myalgia • Fatigue/malaise Yes Anemia Leukopenia Chills/sweats? Thrombocytopenia Any of the following symptoms: • Elevated liver enzymes Headache Elevated CRP Myalgia Yes • Fatigue/malaise Yes No Anemia Not a case Leukopenia Any **ONE** of the following: • Thrombocytopenia Confirmed Not a case • Anemia Elevated liver enzymes Leukopenia Elevated CRP Thrombocytopenia · Elevated liver **NOTES:** \*A four-fold change in titer is equivalent to a change of two dilutions (e.g., 1:64 to 1:256) Yes enzymes No Chills/sweats, fatigue/malaise, elevated CRP must be added using the free text box under 'Other Elevated CRP symptoms, signs, clinical findings, or complications consistent with this illness' until NCEDSS clinical Yes No page is updated to reflect the 2024 case definition **Probable** Beginning January 2024, a single IgG titer of 1:64 does not meet laboratory criteria and Not a case Any **TWO** of the following: does **not** require investigation. **Probable** Collection date for presumptive laboratory evidence MUST be within 60 days of symptom Headache Myalgia onset – if not, then not a case. • Fatigue/malaise • If patients have positive results for both anaplasmosis and ehrlichiosis, please refer to the case definition for determination of classification assignment Yes **Probable** Not a case North Carolina Communicable Disease Manual