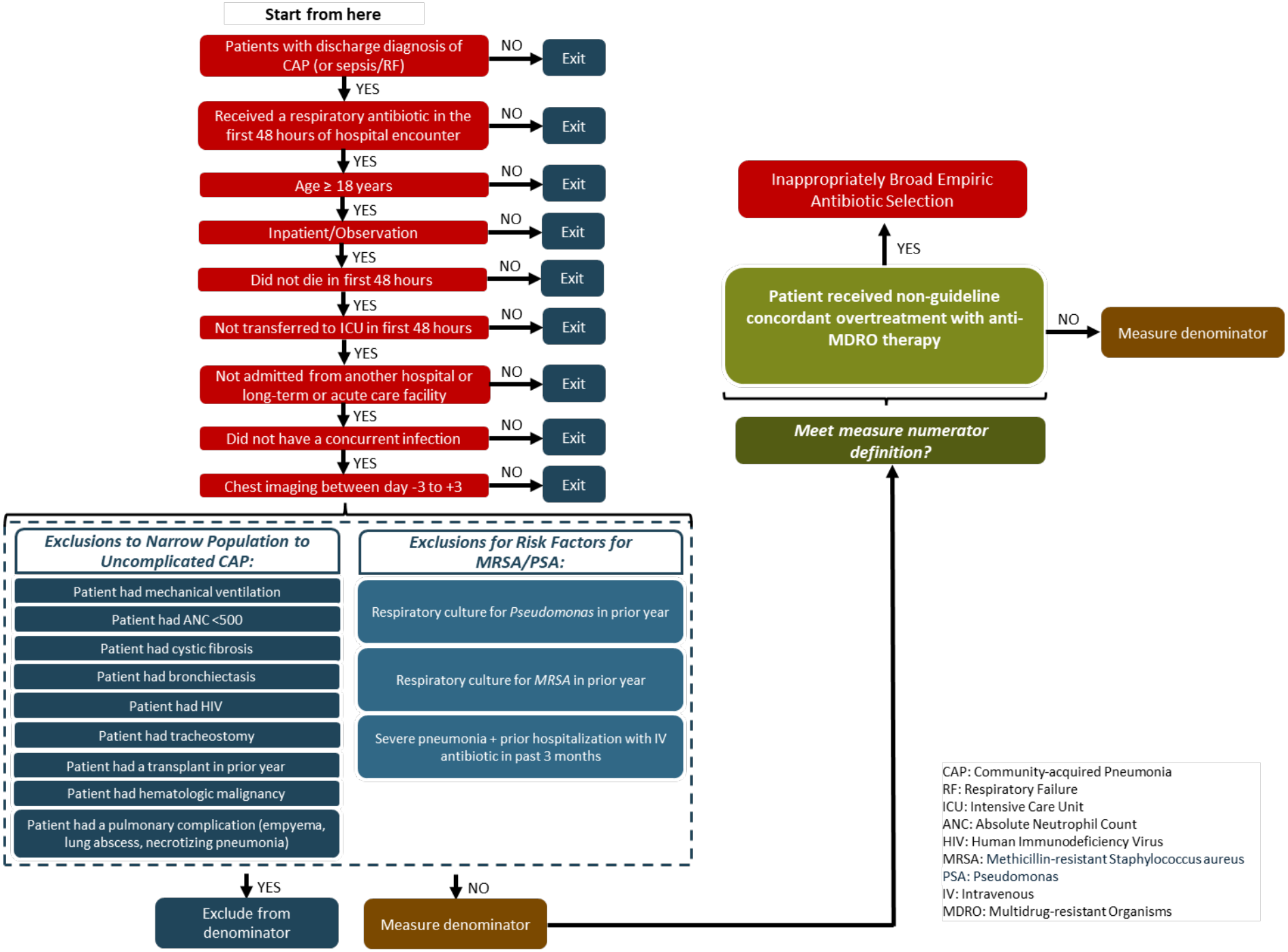
Start from here
Patients with discharge diagnosis of CAP (or sepsis/RF)
NO
Exit
YES
Received a respiratory antibiotic in the first 48 hours of hospital encounter
NO
Exit
YES
Age ≥ 18 years
NO
Exit
YES
Inpatient/Observation
NO
Exit
YES
Did not die in first 48 hours
NO
Exit
YES
Not transferred to ICU in first 48 hours
NO
Exit
YES
Not admitted from another hospital or long-term or acute care facility
NO
Exit
YES
Did not have a concurrent infection
NO
Exit
YES
Chest imaging between day -3 to +3
NO
Exit
Exclusions to Narrow Population to Uncomplicated CAP:
Patient had mechanical ventilation
Patient had ANC <500
Patient had cystic fibrosis
Patient had bronchiectasis
Patient had HIV
Patient had tracheostomy
Patient had a transplant in prior year
Patient had hematologic malignancy
Patient had a pulmonary complication (empyema, lung abscess, necrotizing pneumonia)
Exclusions for Risk Factors for MRSA/PSA:
Respiratory culture for Pseudomonas in prior year
Respiratory culture for MRSA in prior year
Severe pneumonia + prior hospitalization with IV antibiotic in past 3 months
YES
Exclude from denominator
NO
Measure denominator
Meet measure numerator definition?
Patient received non-guideline concordant overtreatment with anti-MDRO therapy
YES
Inappropriately Broad Empiric Antibiotic Selection
NO
Measure denominator
CAP: Community-acquired Pneumonia
RF: Respiratory Failure
ICU: Intensive Care Unit
ANC: Absolute Neutrophil Count
HIV: Human Immunodeficiency Virus
MRSA: Methicillin-resistant Staphylococcus aureus
PSA: Pseudomonas
IV: Intravenous
MDRO: Multidrug-resistant Organisms