

SUPPLEMENTARY MATERIAL

Table S1: Categorization of Radiologists' interpretations.

Condition	Positive terms ^{1, 2}	Negative terms ³
Enlarged heart	Enlarged heart or ecstasic cor	Slightly enlarged heart
Infiltrate	Condensation, infiltrates, consolidation, or opacity	Already known round infiltrate or tumor
Edema	Accentuated pulmonary drawing, cartography, pulmonary stasis, or edema	
Pleural effusion	Blurred sinus, rounded sinus or pleural effusion	
Atelectasis	Subsegmental atelectasis or atelectasis	
Pneumothorax	Pneumothorax, mantle pneumothorax, or lack of cartography	

^{1,3} When any of the positive terms were present in the radiologist's interpretation the condition was coded as present. Vice versa, if any of the negative terms were present without a positive term the condition was coded non-present.

² Only new identified findings were considered.

Table S2: Kappa and %-agreement overview.

Variable	Kappa	%-agreement
CXR quality	0.66	0.99
Enlarged heart	0.76	0.94
New identified	0.84	0.96
Infiltrate	0.97	0.99
New identified	0.93	0.97
Edema	0.94	0.99
New identified	0.94	0.99
Pleural effusion	1	1
New identified	0.89	0.98
Atelectasis	1	1
New identified	0.97	0.99
Pneumothorax	1	1
New identified	1	1
Overall	0.92	

Inter-observer agreement of CXR quality and findings was assessed by a duplicate record review on 10% of patients by two independent observers.

Figure S1: Patient flowchart

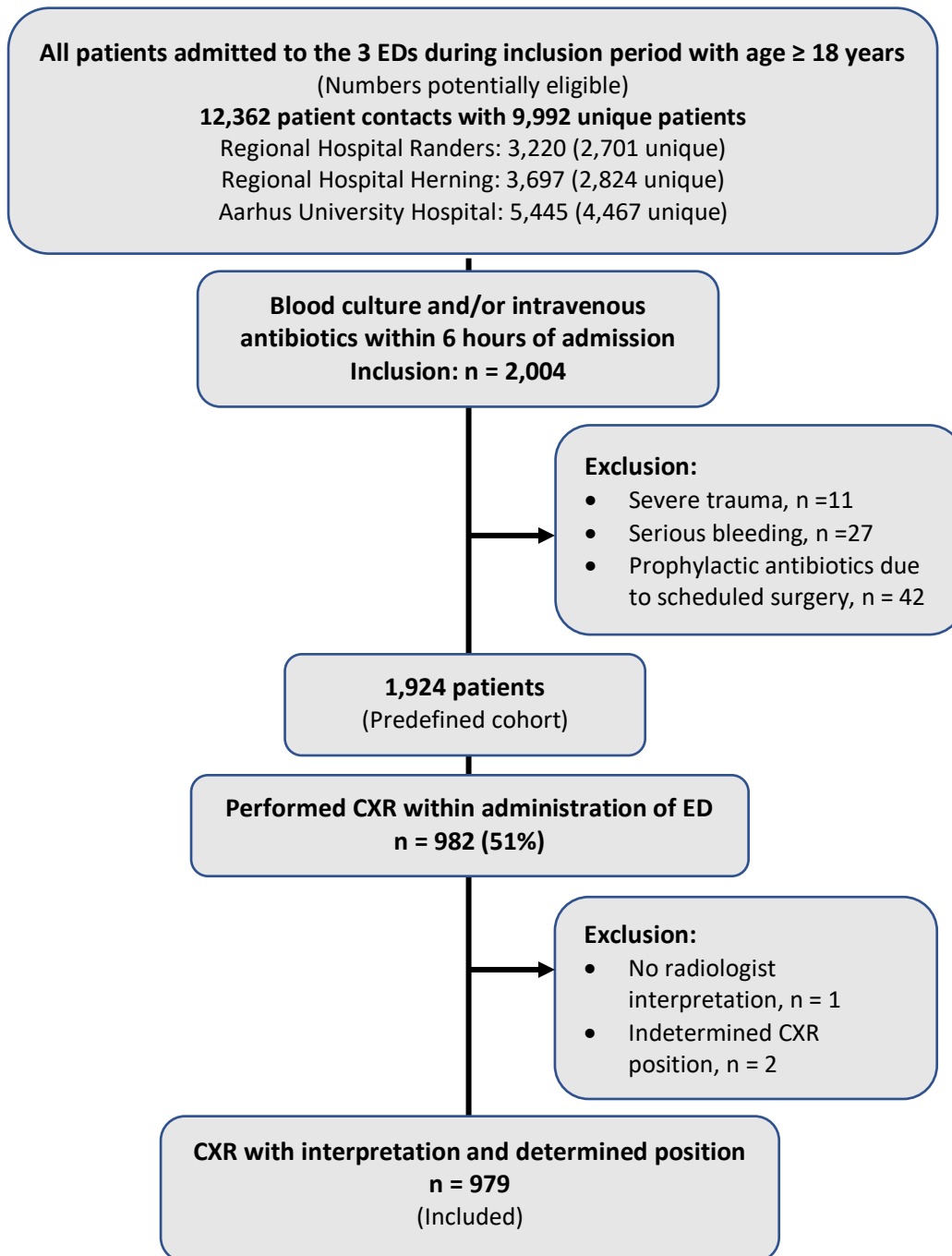


Figure 1: Patient flowchart. *The flowchart shows patient flow with inclusion and exclusion criteria from the predefined cohort as well as inclusion and reasons for exclusion from this study. ED, Emergency Department; CXR, Chest X-Ray*