

12-LEAD ECG		
Adult	Pediatric	
Definitions		
Acute Coronary Syndrome (ACS): refers to any grou coronary arteries	up of symptoms attributed to obstruction of the	
STEMI: ST Elevation Myocardial Infarction		
PCI: Percutaneous Coronary Intervention		
Cardiovascular STEMI Receiving Centers (SRC) : Face the terization capabilities	acilities that have emergency interventional cardiac	
ALS		
Indications		
 Chest or upper abdominal discomfort Chest discomfort with radiation to jaw, neck, left sh Chest discomfort with nausea, diaphoresis, and/or Unexplained syncope or near syncope New onset cardiac dysrhythmia Onset of dyspnea suggestive of congestive heart fa Patient with suspected stroke (CVA) 	dyspnea	
Procedure		
 V1: right 4th intercostal space V2: left 4th intercostal space V3: halfway between V2 and V4 V4: left 5th intercostal space, mid-clavicular line V5: horizontal to V4, anterior auxiliary line V6: horizontal to V5, mid-auxiliary line V4R: right 5th intercostal space, mid-clavicular line (use in all suspected inferior STEMI) 	Angle of Louis Mid Axillary Line Mid Axillary Line	
Consider		
 Serial 12-Lead ECGs are encouraged during trans Consider right sided 12-Lead for inferior wall MI Consider Base Hospital Physician Contact for unst Second Degree Type II Heart Block (MOBITZ II), T branch blocks (LBBB) 		



Yolo County Emergency Medical Services Agency Procedures

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Direction	
 If the 12-Lead ECG indicates STEMI, transport to a YEMSA approved STEMI Receiving Center Transmit 12-Lead ECG if the receiving facility has transmission receiving capabilities If there is any concern about the destination decision transmit the 12-Lead ECG to the Base Hospital Physician for a destination decision 	
Documentation	
 Interpretation of the 12-Lead ECG (amount of ST elevation in millimeters) Location of reciprocal changes (if applicable) Symptoms (including presence or absence of chest pain) Presence of a LBBB Presence of imposters (early repolarization, left ventricular hypertrophy, pericarditis or paced rhythms) Significant vital signs and physical findings Attach a copy of the 12-Lead to the ePCR 	