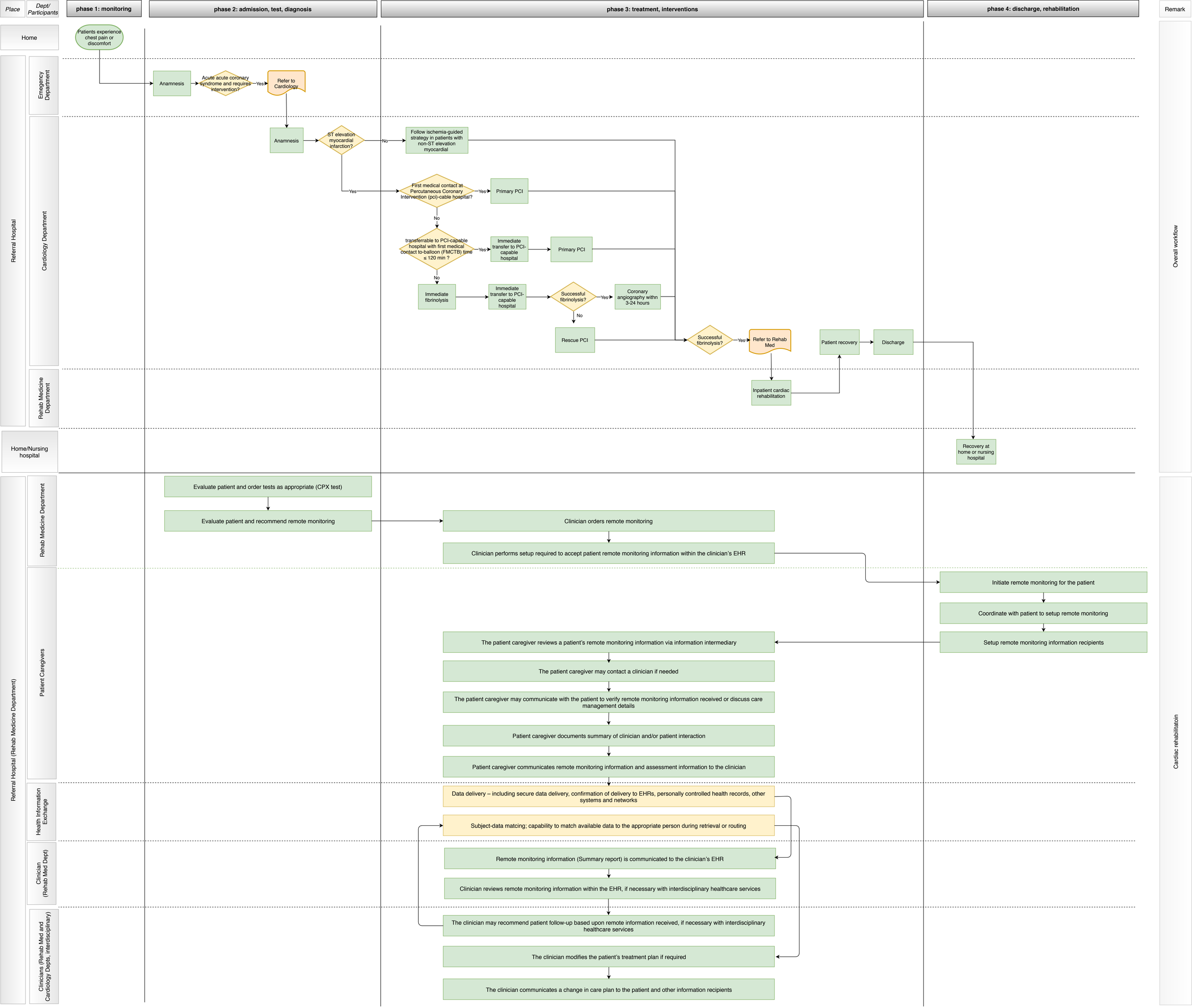
Place
Dept/ Participants
phase 1: monitoring
phase 2: admission, test, diagnosis
phase 3: treatment, interventions
phase 4: discharge, rehabilitation
Remark
Home
Patients experience chest pain or discomfort
Referral Hospital
Emegency Department
Anamnesis
Acute acute coronary syndrome and requires intervention?
Yes
Refer to Cardiology
Cardiology Department
Anamnesis
ST elevation myocardial infarction?
No
Follow ischemia-guided strategy in patients with non-ST elevation myocardial
Yes
First medical contact at Percutaneous Coronary Intervention (pci)-cable hospital?
Yes
Primary PCI
No
transferrable to PCI-capable hospital with first medical contact to-balloon (FMCTB) time ≤ 120 min ?
Yes
Immediate transfer to PCI-capable hospital
Primary PCI
No
Immediate fibrinolysis
Immediate transfer to PCI-capable hospital
Successful fibrinolysis?
Yes
Coronary angiography withn 3-24 hours
No
Rescue PCI
Successful fibrinolysis?
Yes
Refer to Rehab Med
Patient recovery
Discharge
Rehab Medicine Department
Inpatient cardiac rehabilitation
Home/Nursing hospital
Recovery at home or nursing hospital
Overall workflow
Referral Hospital (Rehab Medicine Department)
Rehab Medicine Department
Evaluate patient and order tests as appropriate (CPX test)
Evaluate patient and recommend remote monitoring
Clinician orders remote monitoring
Clinician performs setup required to accept patient remote monitoring information within the clinician's EHR
Patient Caregivers
Initiate remote monitoring for the patient
Coordinate with patient to setup remote monitoring
Setup remote monitoring information recipients
The patient caregiver reviews a patient's remote monitoring information via information intermediary
The patient caregiver may contact a clinician if needed
The patient caregiver may communicate with the patient to verify remote monitoring information received or discuss care management details
Patient caregiver documents summary of clinician and/or patient interaction
Patient caregiver communicates remote monitoring information and assessment information to the clinician
Health Information Exchange
Data delivery – including secure data delivery, confirmation of delivery to EHRs, personally controlled health records, other systems and networks
Subject-data matcing; capability to match available data to the appropriate person during retrieval or routing
Clinician (Rehab Med Dept)
Remote monitoring information (Summary report) is communicated to the clinician's EHR
Clinician reviews remote monitoring information within the EHR, if necessary with interdisciplinary healthcare services
Clinicians (Rehab Med and Cardiology Depts, interdisciplinary)
The clinician may recommend patient follow-up based upon remote information received, if necessary with interdisciplinary healthcare services
The clinician modifies the patient's treatment plan if required
The clinician communicates a change in care plan to the patient and other information recipients
Cardiac rehabilitatoin