

Systems of Care

Cardiac Arrest: The Facts



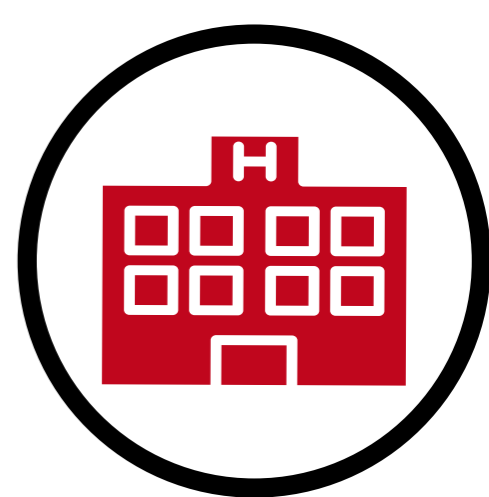
An estimated **400,000** out of Hospital cardiac arrest occur each year in the United States and Canada combined



Affects all and leads to **significant mortality and morbidity**



Only **1 in 10 people** survives out-of-hospital cardiac arrest



Only **1 in 4 people** survives in-hospital cardiac arrest in the United States. In Canada, without a National registry, stats are unknown.

Stages of Cardiac Arrest Survival



*New and crucial stage

Approaches to Improving Resuscitation

Community



Rapid cardiac arrest recognition



Mobile phone technologies to summon first responders



Enhanced role for emergency telecommunicators



Widespread CPR training



Public access defibrillation

Hospital



Recognize and stabilize patients at risk of cardiac arrest



Neuroprognostication ≥ 72 hours after rewarming



Performance measurement



Clinical debriefing



Quality improvement strategies

Approach to Continuous Quality Improvement

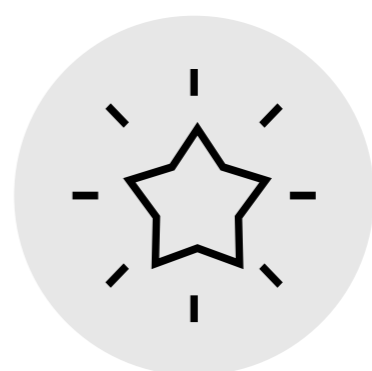
Registries provide information that can be used to identify opportunities to improve the quality of care.



Data collection on resuscitations



Evaluation of performance and outcomes



Recommendations

There have been modest improvements in cardiac arrest survival, but there is still **considerable work to be done** to improve survival from cardiac arrest.