



A member of the  
**Global  
Resuscitation  
Alliance**

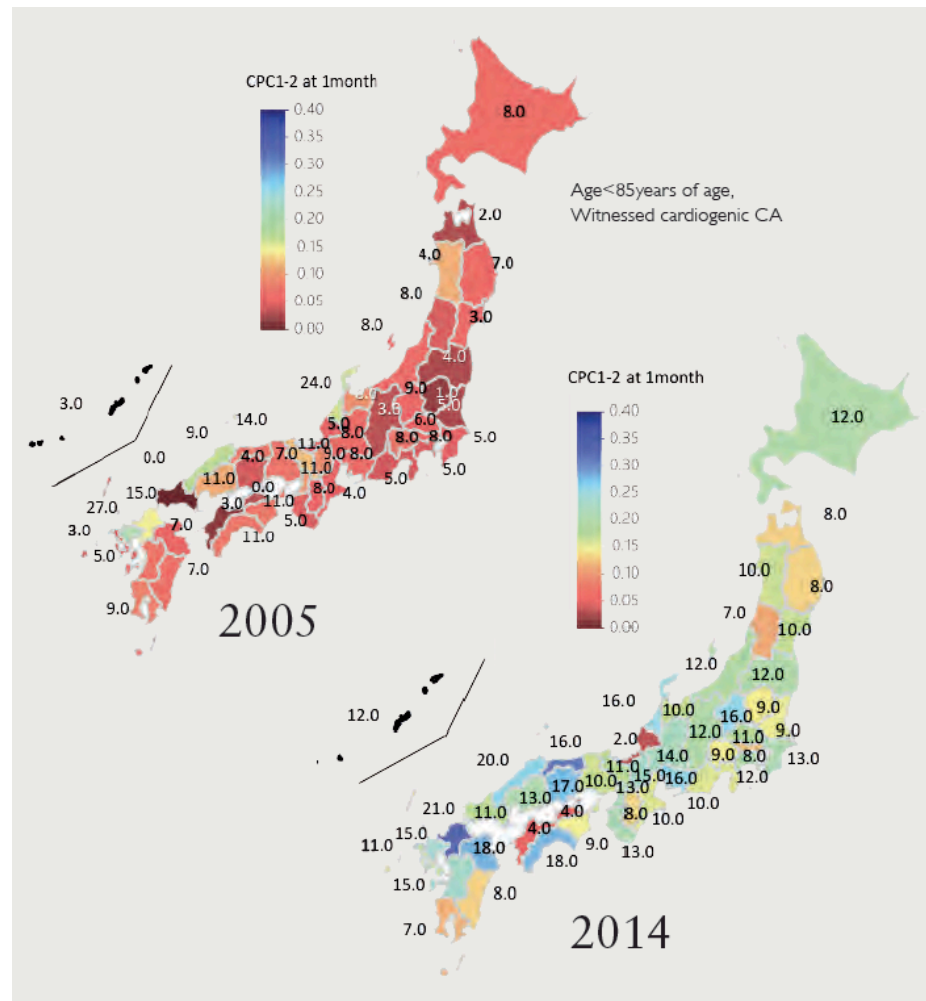


## Japan – Data Collection

# Tripling of survival in Japan over 10 years

In Japan, a national Utstein based registry for all OHCA was established in 2005. Around 130,000 cases have been registered every year, totaling over 1.3 million cases by end of 2017. Over 100 research papers have been published based on the registry. The survival rate of witnessed cardiogenic cardiac arrest improved from 3.3% in 2005 to 7.2% in 2014. The improvement is primarily attributed to an increase in bystander CPR from 38.6% to 50.9% and increased AED utilization. Adjusted odds ratio for survival to discharge with CPC1-2 2.24 (CI: 1.93–2.61) for bystander defibrillation compared with EMS defibrillation.

The National Utstein Database shows more than tripling of survival from 2005 - 2014. The map below shows the improvement by prefecture. Such regional comparison has been shown to stimulate actions by the local governments to improve OHCA outcome according to 10 steps for survivals



Created by: Hiroshi Takyu, Takahiro Hara, Genki Hoshino, Shota Tanaka, Ryo Sagisaka, Hideharu Tanaka,