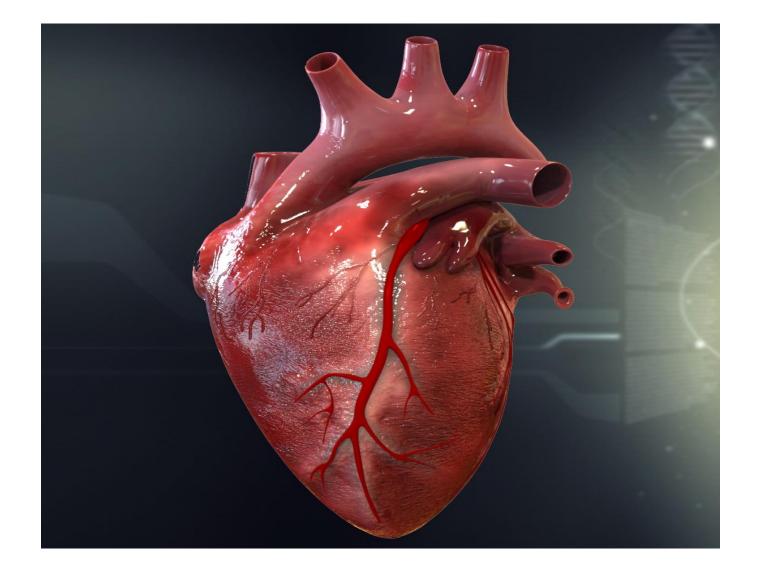
## Cardiac Arrests, Heart Attacks, Strokes, Seizures and What I Do

Eric Cortez, MD FAEMS FACEP
Interim Medical Director
Columbus Division of Fire



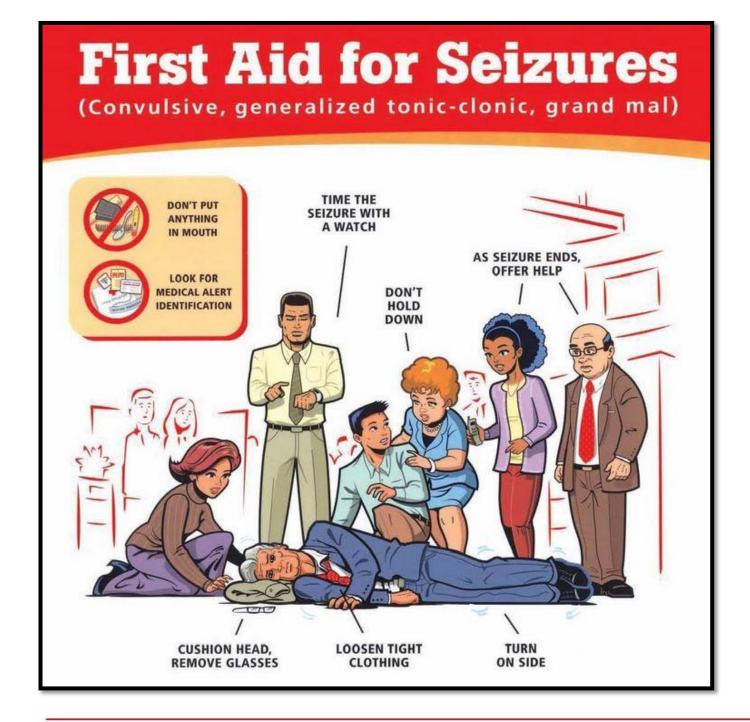




https://d.newsweek.com/en/full/492484/09-02-poverty-01.jpg

https://d1a9v60rjx2a4v.cloudfront.net/2016/04/21/08\_37\_32\_187\_HeartCut\_2.jpg





## Seizures Electrical Problem in the Brain



#### Is it a stroke? Check these signs FRST!

#### **Face**



Does the face look uneven?

Arm

Speech



Does one arm drift down?



OR Does their **speech** sound strange?



THEN It's time to call 9-1-1!

## Strokes

### **Plumbing Problem in** the Brain

Massachusetts Department of Public Health - HD2107 6/14



#### STROKE BY THE NUMBERS

Every
40 seconds
someone
has a
stroke













**#**5

Cause of death in the USA



1 in 4

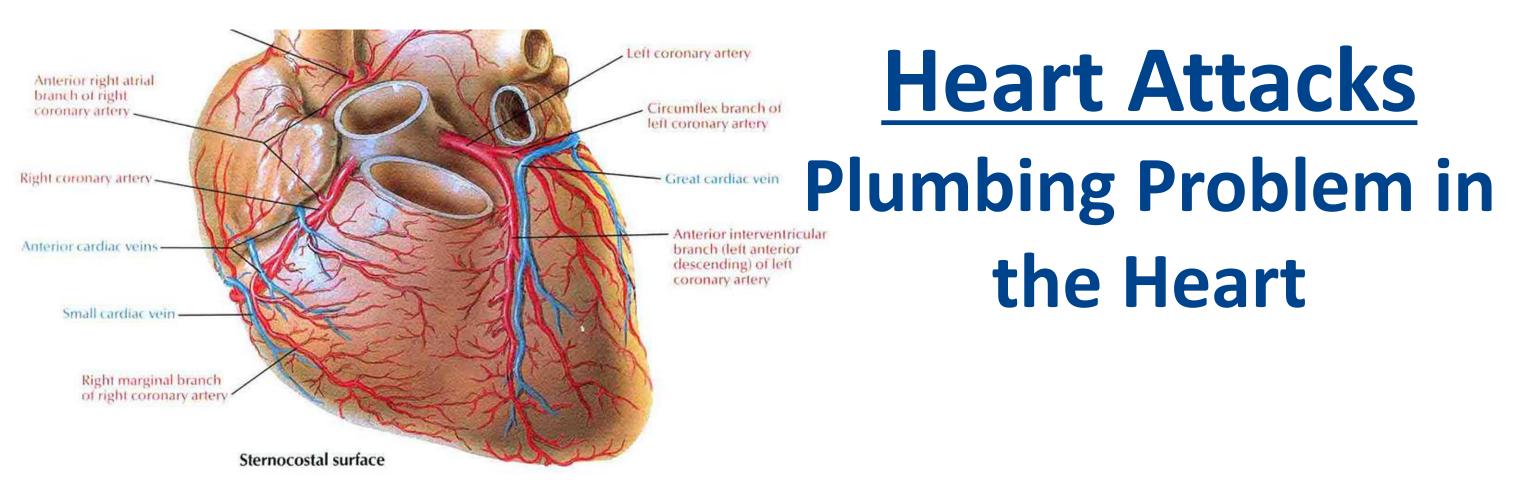
are in people who have had a previous stroke

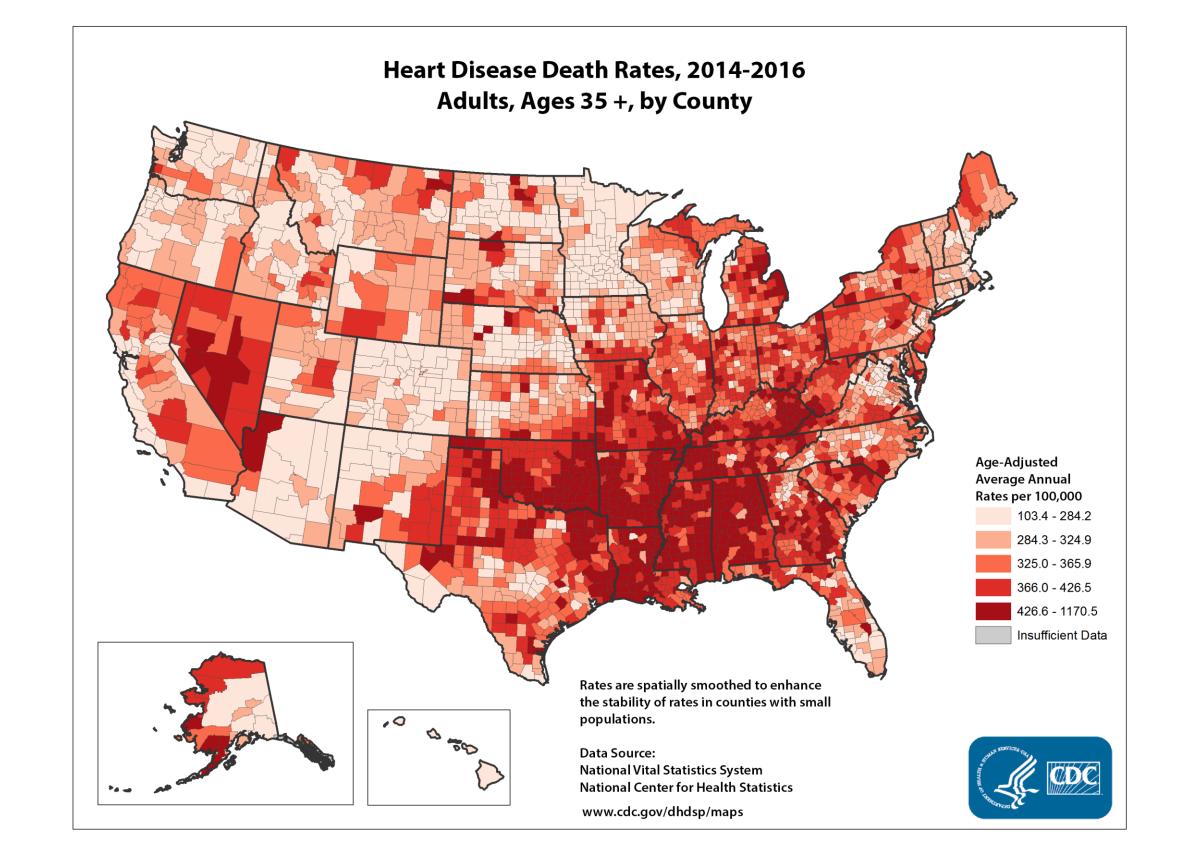
## 80% OF ALL STROKES CAN BE PREVENTED



Together to End Stroke™

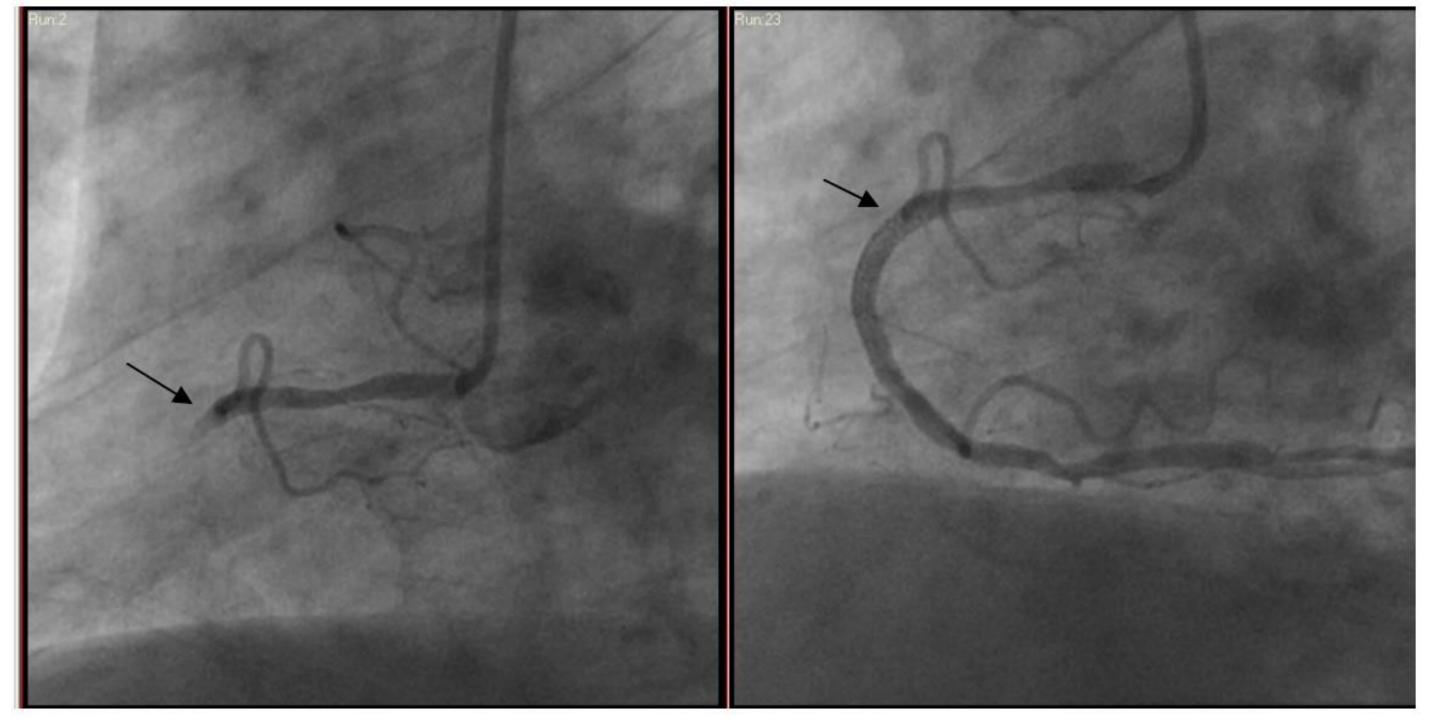
life is why-





#### Pre: 100% Mid RCA occlusion

Post: TIMI III flow restored



#### **5 WAYS TO PREVENT** HEART DISEASE & STROKE

By American Heart Association News



#### **< NUTRITION**

Adults should eat more plant-based foods such as vegetables, fruits, nuts, legumes and whole grains, and choose fish, lean vegetable or lean animal proteins. Minimize processed meat and sweetened drinks.



Each week, adults should engage in at least 150 minutes of a moderate-intensity activity, such as brisk walking, or at least 75 minutes of a vigorous activity, such as jogging.





#### *K TOBACCO*

At each health care visit, tell your doctor whether you have smoked any tobacco product in the previous month – and, if so, work with your doctor to create a plan to quit.



Talk to your doctor about factors that affect your health, such as housing, food security, transportation, self-image and culture.





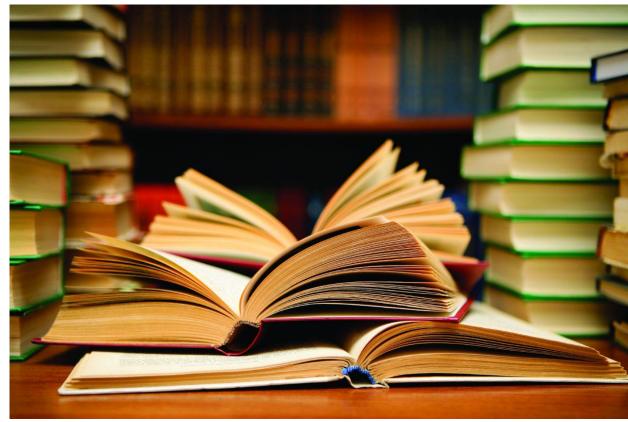
#### *ASPIRIN*

Because of the risks of bleeding, don't take aspirin for prevention unless your doctor prescribes it. Aspirin can help in some cases, but talk to your doctor about whether it's right for you.





https://www.bbcgoodfood.com/sites/default/files/recipe/recipe-image/2017/03/vege-tagine-with-apricot-quinoa.jpg



https://whytoread.com/wp-content/uploads/2014/12/best-books.jpg

#### **Know the difference between a Heart Attack & Cardiac Arrest**

#### Heart Attack Cardiac Arrest A heart attack happens when a coronary Cardiac arrest occurs when the heart beats artery becomes blocked. This stops blood VS fast and wildly or stops beating altogether. flow to one part of the heart. But the heart This can be caused by a heart attack or a continues to beat. malfunction in the heart's electrical system. **Early Warning Signs Early Warning Signs** Usually there are no early warning signs. The individual collapses. An individual may have chest pain, Some people have palpitations, unusual fatigue, weakness, nausea, dizziness, chest pain or shortness or shortness of breath. of breath momentarily before they lose consciousness and collapse. How to tell the difference Does the person have a **pulse**? No. Is the person **breathing**? Yes. Can he or she **respond** to your No. questions?

#### What to do

Call 911 and keep the person company until help arrives.



Call 911 then start CPR. Ask another bystander to find an automated external defibrillator (AED).

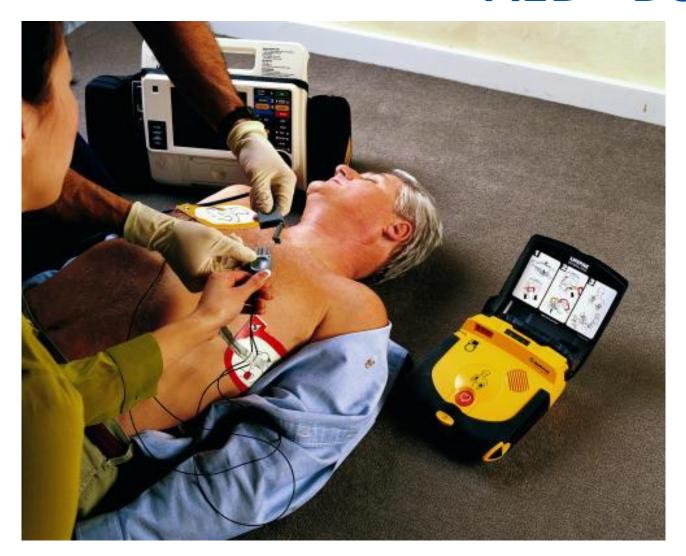
# Cardiac Arrest Electrical and/or Plumbing Problem in the Heart

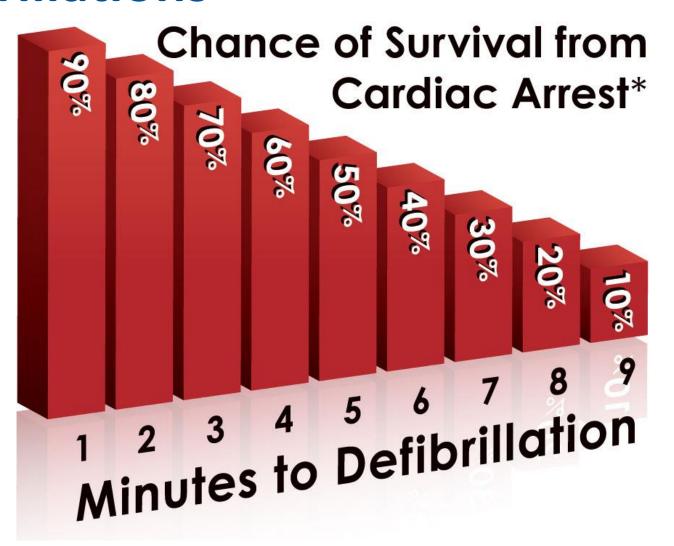
#### **Hands-Only Chest Compressions**





#### **AED - Defibrillations**







#### **Practice Time – Thank You**



Please Contact Me with Questions ejcortez@columbus.gov

Special Thanks to FF Bob Kelley and our CFD Firefighters!



#### **5 Steps for Hands Only CPR**

- 1.Safety
- 2. Tap and Shout
- 3. Call 911 and Get an AED
- 4.Look for Breathing
- 5. Start Compressions

