



# How to prevent Liver Cancer?

## Liver Cancer & Hepatitis B Screening

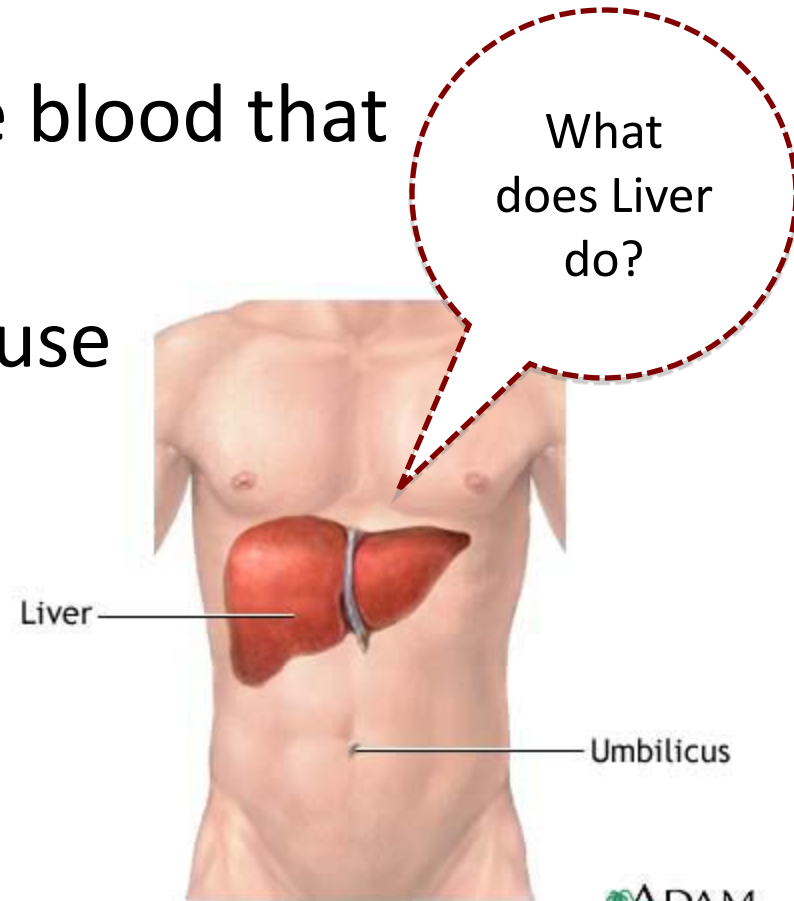
Asian American Liver Cancer Education Program in Maryland

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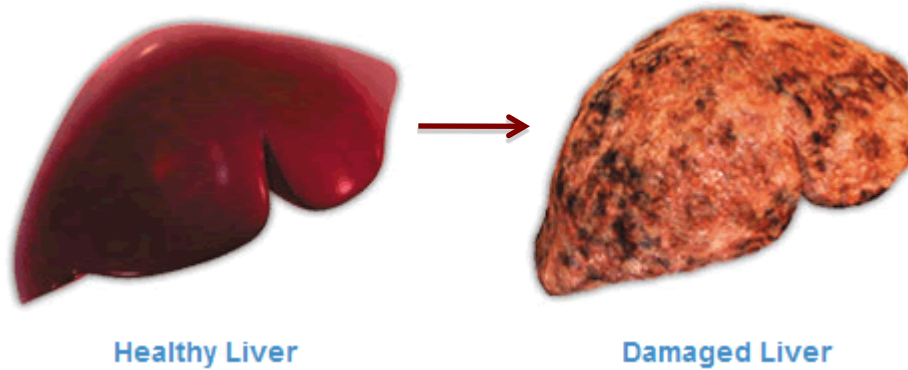
# What is Hepatitis B?

- Hepatitis B is a virus in the blood that infects the **liver**
- Chronic Hepatitis B can cause
  - liver damage
  - cirrhosis
  - liver cancer



A.D.A.M. Medical Illustration Team

# What does Hepatitis B do?

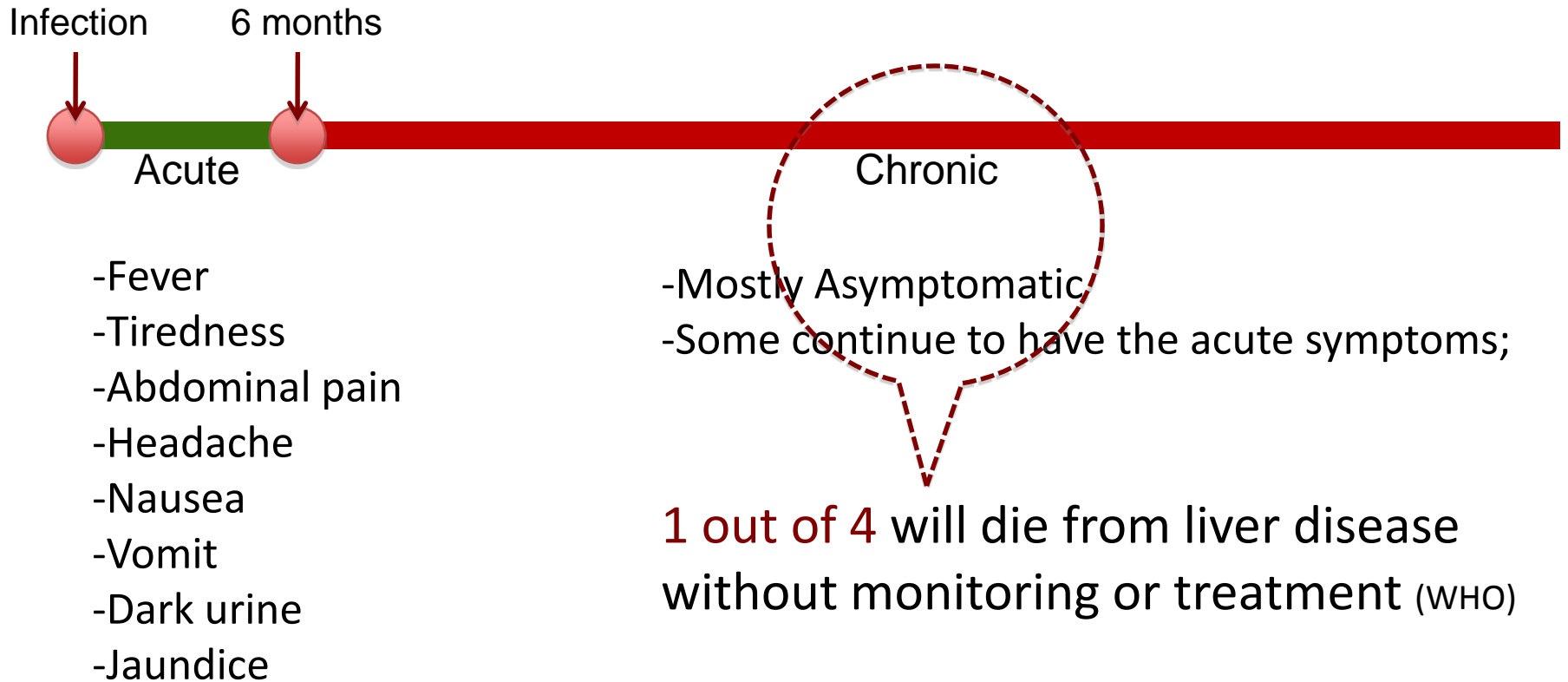


Hepatocellular Carcinoma

Source: [http://www.hivandhepatitis.com/hep\\_b/news/liver\\_hepa.html](http://www.hivandhepatitis.com/hep_b/news/liver_hepa.html)



# Acute vs. Chronic Hepatitis B



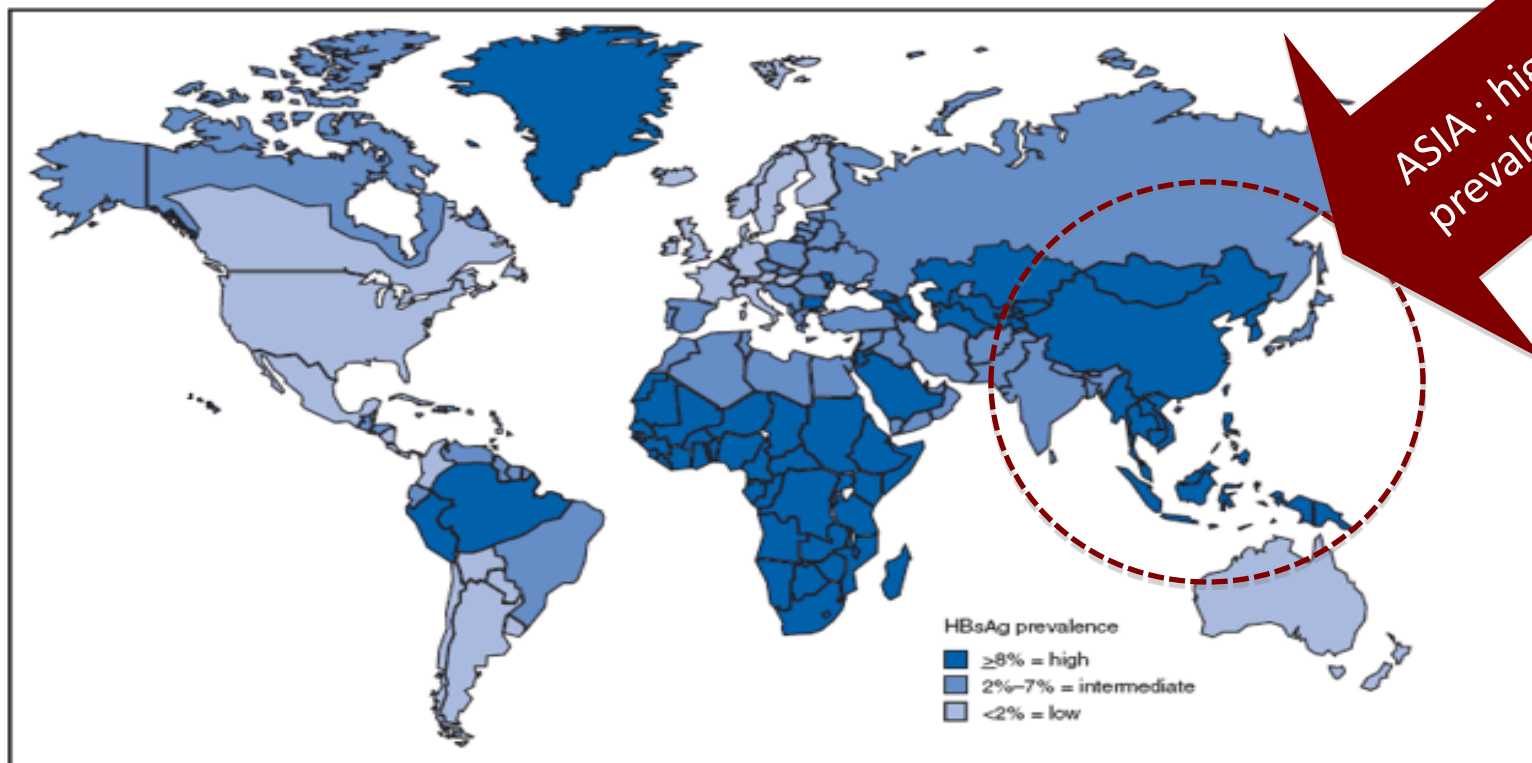


# Why should I care?

- You have higher chance of having Hepatitis B
  - You or your parents ; Immigrated from countries with **high prevalence of Chronic Hepatitis B**

# Why should I care?

FIGURE 3. Geographic distribution of chronic hepatitis B virus (HBV) infection — worldwide, 2006\*



\* For multiple countries, estimates of prevalence of hepatitis B surface antigen (HBsAg), a marker of chronic HBV infection, are based on limited data and might not reflect current prevalence in countries that have implemented childhood hepatitis B vaccination. In addition, HBsAg prevalence might vary within countries by subpopulation and locality.

Source: CDC. Travelers' health; yellow book. Atlanta, GA: US Department of Health and Human Services, CDC; 2008. Available at <http://wwwn.cdc.gov/travel/yellowbookch4-HepB.aspx>.

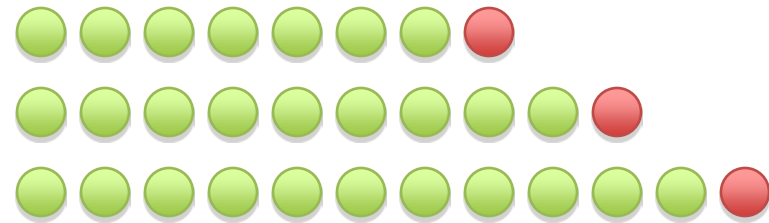
Source: MMWR/CDC



# Why should I care?

## \*Hepatitis B Among Asians in the U.S.

- **1 out of 10** Asian Americans has chronic hepatitis B
  - 1 in 8 Vietnamese Americans
  - 1 in 10 Chinese Americans
  - 1 in 12 Korean Americans
  - 1 in 1000 Caucasian Americans





# Why should I care?

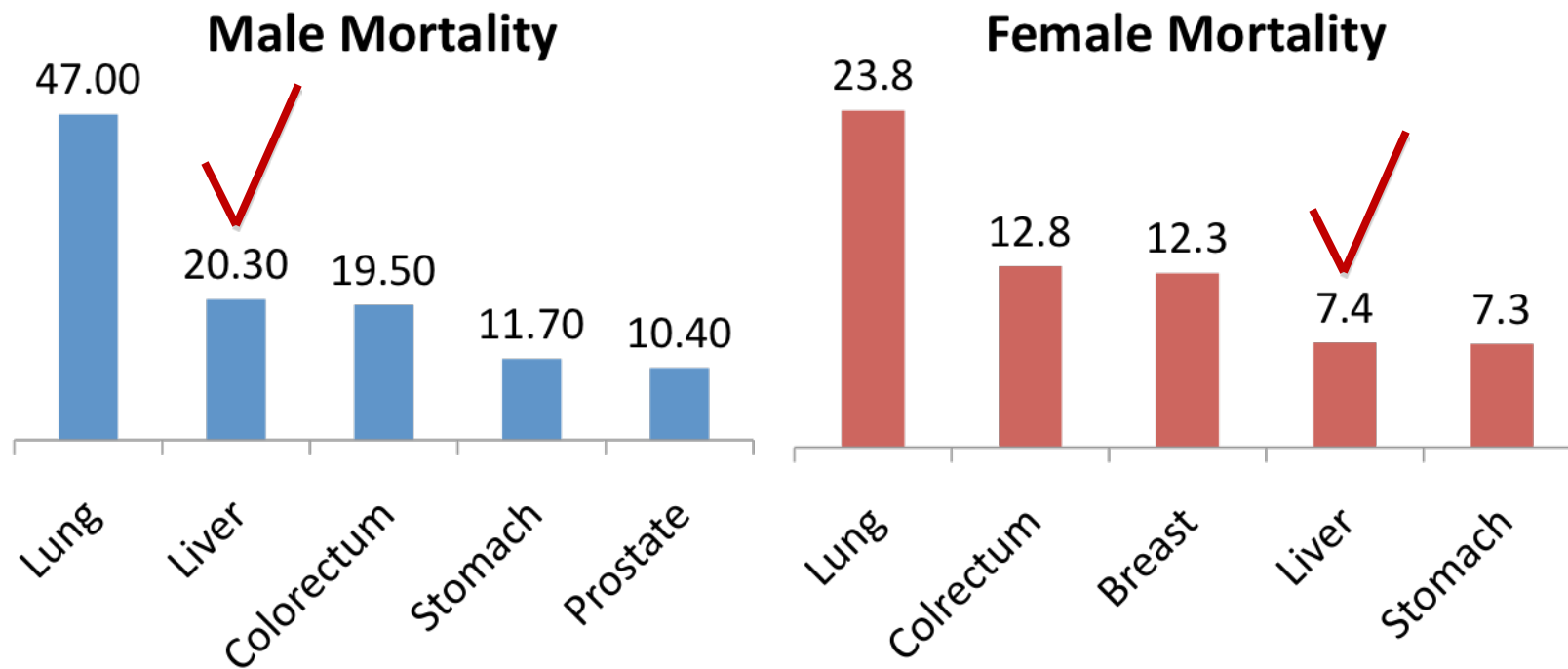
- \***Liver Cancer** Among Asians in the U.S.
- Asian Americans have the highest liver cancer Incidence rates & Mortality rates





# Why should I care?

\***Liver Cancer** Among Chinese in the U.S. ; Rankings

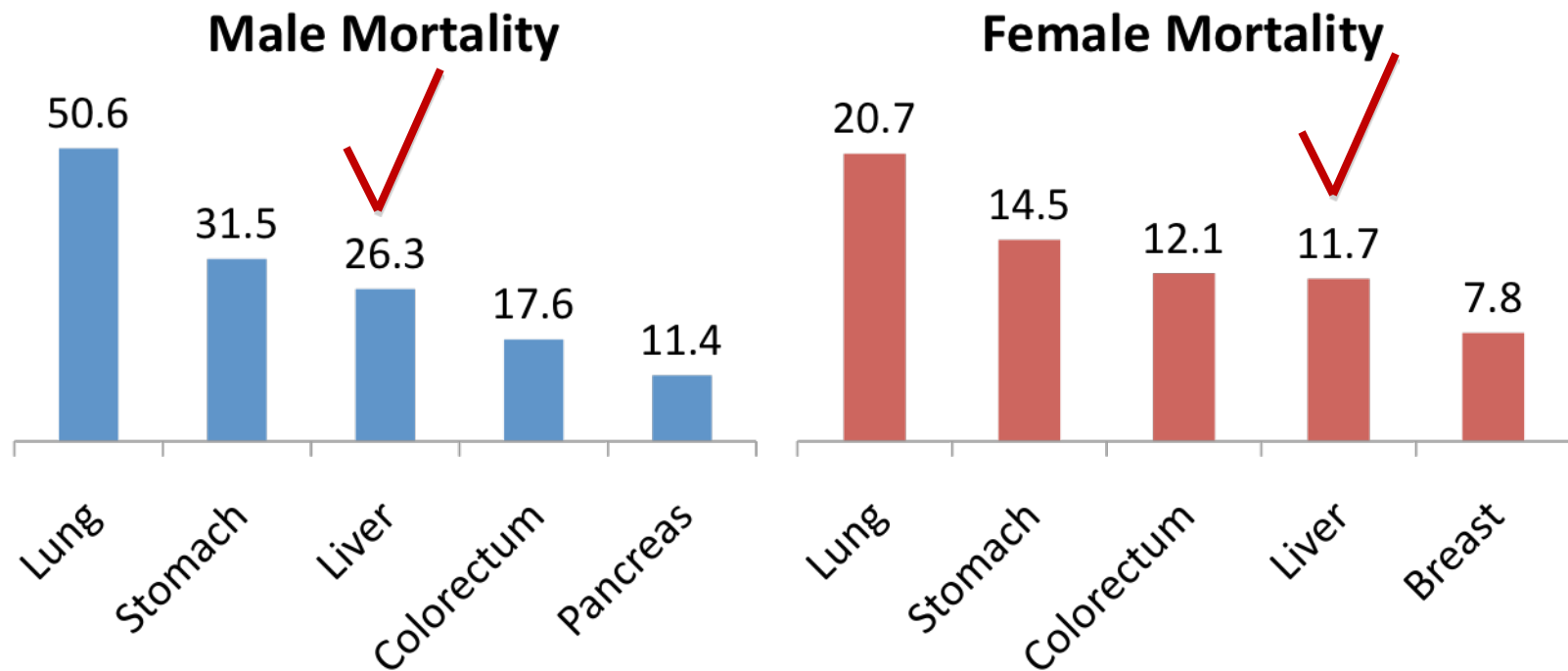


Average annual per 100,000, SEER(2008)



# Why should I care?

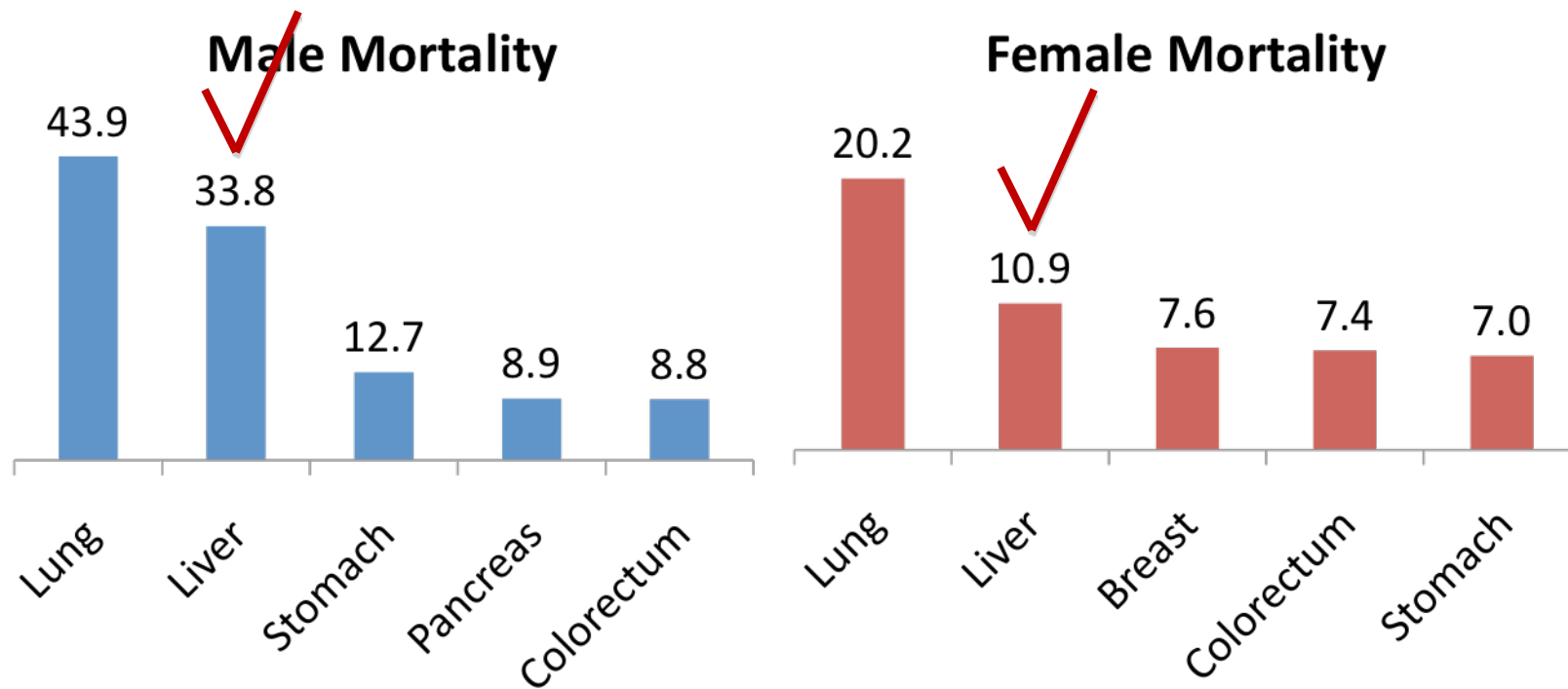
\***Liver Cancer** Among Korean in the U.S. ; Rankings



Average annual per 100,000, SEER(2008)

# Why should I care?

\*Liver Cancer Among Vietnamese in the U.S. ; Rankings



Average annual per 100,000, SEER(2008)



# Why should I care?

- You have higher chance of having Hepatitis B
  - Hepatitis B is 50 to 100 times more infectious than HIV, the AIDS virus

# How do I get infected?



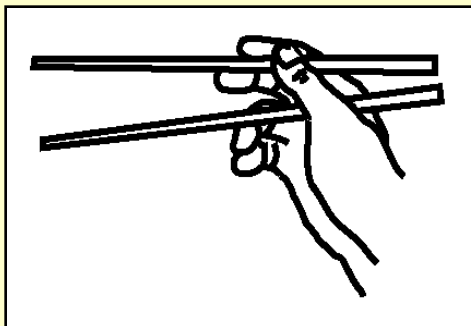
You can get infected by:



# How do I get infected?



You **won't** get infected by:

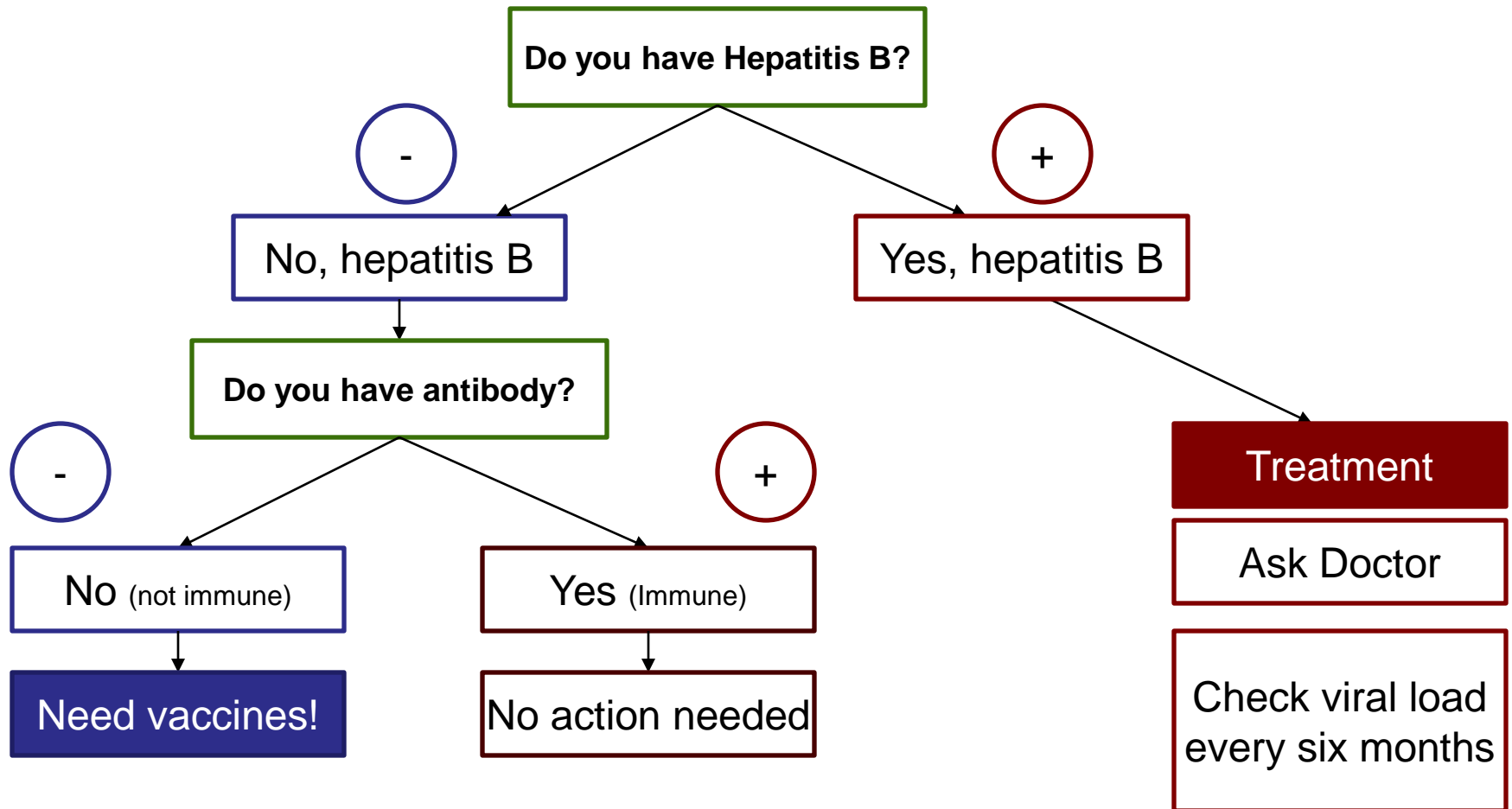


# How do I know if I have Hepatitis B?

- The only way to know is...
  - to get a **Hepatitis B screening**
  - ≠** liver function test (LFT)
- A simple blood test
- Testing : antigen and antibody
- Ask your doctor and request one



# Hepatitis B Screening







Need vaccines!

# Hepatitis B Vaccination

- Get vaccinated
  - 3 shots given over 6 months

1st  
Shot

2nd  
Shot

3rd  
Shot

Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
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# Take Home Message

- Chronic Hepatitis B can cause serious liver disease
- Get screening to know your status
  - If you are infected, ask a doctor for **Treatment**
  - If you are not infected and not immunized, **Vaccination**
  - If you are not infected and also immunized, you are free!
- Where to start?



# Thank You!

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