

# Study guide: Final exam

Review all slides in **Lessons/Weeks 1-8** at least once. These will carry 1/3 of the weight of the final exam (10 points total). There will be 10 true-false questions and 10 fill in the blank questions spanning the entire range of topics covered in Lessons 1 to 8. Read one slide at a time and make sure you understood everything before moving on to the next. If you have questions, send me an e-mail. I promise to respond within hours (not days). I will respond within minutes if I am online.

**Lessons/weeks 9-13 will carry the remaining 2/3<sup>ds</sup> in weight.**

What are the main characteristics of Onchocerciasis and Lymphatic filariasis (Lesson/Week 9)? How are they different from the other vectored diseases in methods of transmission and geographic spread? Is hepatitis a vectored disease? Who is most at risk and why? What is its global spatial distribution like? Also, be prepared to answer three or more questions on the featured vectored disease in the US – the West Nile Virus.

In what ways are diarrheal diseases different from other diseases? Are they geographically more widespread than the other diseases you learned about in previous lessons? What are the two most common agents? Which age groups and geographic areas are most vulnerable?

You have learned that protein energy malnutrition and micronutrient deficiency is a direct and indirect cause of morbidity and mortality especially in the developing regions. What are the 6 classes of nutrients? Can you name some of the diseases associated with deficiencies in these nutrients? Can you describe the geographical patterns?

Sexually transmitted infections are universal. What are the most common STIs in the US? Is the US population equally affected or are certain groups more vulnerable than others?

There will be five or more questions on cardiovascular diseases and cancer (and the other non-communicable diseases) as well as mental health, unintentional injuries and population aging. Understand each slide before you go to the next. There will also be five or more questions on the role of the environment in human health. Make sure you understand the concepts of environmental risk factors and attributable fractions. Be prepared to name some of the criteria pollutants and green house gases - GHG. **More on the next page.....**

The essay question for your final exam is the following:

Discuss neighborhood health (5 points).

Write as much as you want. **Give specifics – numbers, percentages, ratios, rates, etc.** If you are not able to write 3 pages, it only means you have not studied well. Talking in generalities will earn you 0 points. Mention some of the graphs, maps discussed in class (also available to you online) featuring three counties – Alameda, Bexar (Texas), King (Washington State), and **relate your understanding of health issues in those counties to neighborhood health in the community you live in.**

Last but not least, be prepared to answer five or more questions on health care services around the world: ratios of physicians to populations, hospital beds to populations, migration (brain-drain) of health care workers, health expenditures in the US (levels and trends), and health care inequities in the US.