

Hepatitis B and Health Disparities: A medical-student led lecture within a mandatory medical school course

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Introduction

- The Asian American Pacific Islander (AAPI) community only makes up approximately 6% of the United States population but 58% of the total population of chronic hepatitis B virus (HBV) carriers (CDC, 2020).



- Screening for HBV infection depends largely on medical provider recommendation (Coronado, 2007), but the rates at which it has been conducted remain suboptimal (Khalili, 2010; Chu, 2013; Lai, 2007). - One contributing factor is inadequate training within the medical school curriculum; up to 80% of physicians report feeling underprepared by their medical training to care for chronic HBV carriers (Chao, 2015).

- Formal instruction incorporated into a required medical school course would address this knowledge gap in a manner that highlights how understanding of disparate burdens of HBV infection in the AAPI community and culturally-competent practice affects patient care as significantly as adequate fund-ofknowledge.

What's Been

Done

health professional students from UCSF designed a curriculum consisting of a didactic elective, clinical skills elective, and clinical practicum addressing HBV impact on the AAPI population through seminars and participation in screening and vaccination clinics. (Sheu, 2010)

Methods

- 10/2020 Contact course directors
- 11/2020 Complete course objectives
- 1/2021First draft of cases Construct post-lecture survey 2/2021 Finalize cases, powerpoint
 - Record lecture





the course directors.

Vignette 2 A 5-month-old infant is brought to your clinic following a possible perinatal HBV exposure. Her mother is a Filipino immigrant who was not diagnosed with HBV until her immigration process a month ago.

A 61-year-old Vietnamese immigrant, who refused medical attention for years, has recently passed away; he experienced progressive fatigue and unintentional weight loss several months leading up to his death



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Results

The lecture was prepared by second-year medical students in the APAMSA

student group, with feedback from fourth-year medical students in APAMSA and

Due to COVID-19 restrictions, the lecture was pre-recorded through Zoom and

offered to students as a non-mandatory lecture during the allotted course time in

and chronic HBV infection and mother-infant HBV transmission

Vignette 3





- The three vignettes addressed acute

- An average of 6.33 review questions

- Lecture included discussion points

regarding HBV epidemiology,

screening and vaccination

protocols/recommendations,

consequences of untreated HBV

infection, and barriers to screening and

vaccination in the AAPI community.

was provided per vignette.

Chronic HBV Mortality Rates in the United States

2013 2013 Rate 2014 2014 Rate 2015 2015 Rate 2016 Rate 2017 2017 Rate No. (MMs.Cl) No. (MMs.Cl) No. (MMs.Cl) No. (MMs.Cl) No. (MMs.Cl)

- Qualtrics survey included 13 questions assessing awareness of HBV infection prevalence in the AAPI community, the benefit of lectures on healthcare disparities, and the effect of the lecture on culturalcompetency and future health-care practices.

- How could you we make this lecture better next year?					
How did you view this presentation?					
	5	I wish we had more lectures focused on diseases that significantly affect certain racial groups.		10	I enjoyed this type of lecture focused on minority health
	4	This type of lecture will help me develop cultural competence.		9	contributing to health disparities amongst minority groups.
	3	This type of lecture will help me better treat my patients in the future.			This lecture helped me better understand factors
				8	I would recommend this lecture to my peers.
	2	Lectures focused on minority health are important to incorporate into our curriculum.		7	This lecture was worth my time watching.
	1	Before this lecture, I knew that hepatitis B was more prominent among the Asian population.		6	Information from this lecture is applicable/useful for studying for the NBME exam.

Additional comments/suggestions

- A total of 9 respondents were recorded in a class size of 136, yielding a response rate of 6.62%.

- The lecture was officially included in the course curriculum for subsequent years

Conclusions

- There is a need to address the health-disparities within the medical school curriculum

- This student-constructed lecture can serve as a model for lecture-initiatives that are feasible and initiate discussions of health-care disparities in medical school curricula.

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