Hepatitis B Elimination Strategies

Y-Uyen Le Nguyen, MD Charles B. Wang Community Health Center Hep B United Summit | November 2nd, 2021

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Agenda

- About us
- Screening
- Outreach efforts
- Vaccination and linkage to care
- Future goals



Charles B. Wang Community Health Center

- Non-profit and Federally Qualified Health Center (FQHC) in New York City
- Primarily serve the low-income, Asian American community
- Multidisciplinary care Internal Medicine, Pediatrics, OB/GYN, Mental Health, Social Work, and Dental
- Hepatitis B programs linkage to care and care management for high-risk chronic hepatitis
 B patients, free HBV screening program, prevention of perinatal HBV transmission

Screening for Hepatitis B

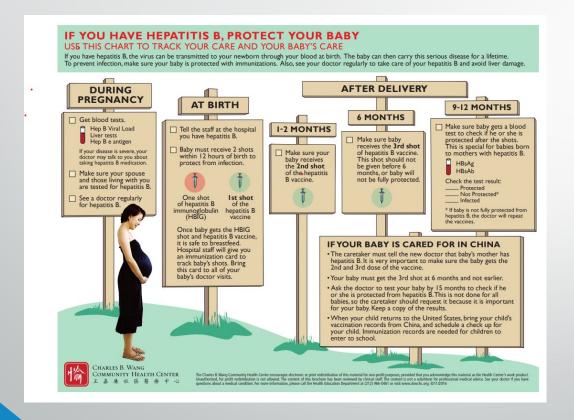
- Educate and remind providers about screening for hepatitis B
- For all new internal medicine patients
 - Universal screening helps eliminate barriers and stigma
 - Low-cost blood test can be included in routine laboratory labs without additional cost to patients
- Free screening for community members walk in
- Free screening for contacts of chronic hepatitis B patients
 - Based on a study of our patient population, household contacts of chronic hepatitis B patients: 49% with prior infection, 22% with chronic hepatitis B*
- Starting to offer screening for contacts of HBcAb+ patients

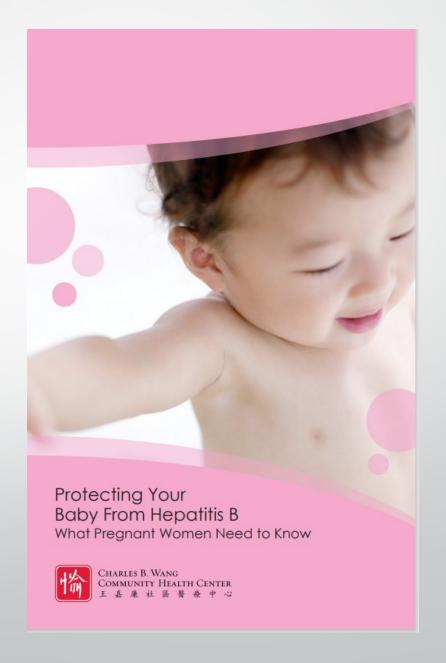


Health	Maintenance					
	VACCINATIONS Add Preventive List to Note					
Refused	Order	Latest Refusal				
	Flu vax:					
	COVID-19 Vax: 09/18/21 P 09/06/21 P Univerified Covid Vax	Update Orders - 21 ALICE TEST 777 48 Years Old Female, (DOB: 10/27/1972)				
	□ Td:					
	☐ Tdap: ☐ Hep B:	Orders: This update Open All Primary Coverage: Dental Quest (DENTAL) Set Coverage Potential Diagnoses: (FF)				
	Heplisav:	! Date Description Status Diagnoses				
	Hep A:	: P Date Description Status Diagnoses				
	PPSV-23:					
	PCV-13:					
	MMR:					
	□ Varicella:					
		Remove Reorder Clear Diagnoses New Edit				
		Reliefe Redied				
		Custom List Categories Search Order Details				
	Meningococcal:	Use custom list: IM Labs				
	SCREENING					
	HBs-Ag: HBs-Ab: HBc-Ab:	COMMON RPR Panel Hep D Ab, Total Legionella Urine Ag ESR Rubella IgG Vit D, 2				
	HBs-AB Quant:	□ DM □ AFP □ PSA □ Stool: Cult □ Iron □ VZV IgG				
	HAV-Ab:	Comp Met HBsAg/sAb/cAb PSA: MdCARE Stool: FIT Fe/TIBC Rheum Factor AFB S				
	HCV-Ab:	Lipid HBsAg/HBsAb PT/INR Stool: FIT, Mcare Ferritin Prolactin HAV Ig				
	HIV: HIV Testing Offered:					
		Urine Microalb HBe Ab/Ag URINE / STOOL Stool: O&Px3, no Giard FibroSure Phosphorus HBV R				
	Mammo:	CBC w/Diff HBV DNA Chlam/GC (Urine) BLOOD OTHER FSH /LH T4, free HSV 1.				
	Pap:	Comp Met HBsAb, Quant Urine: Cult ANA HIV 4th Gen T3, Total HCV P				
L	HPV DNA:	TSH HAV Ab Urine: Cytology CPK Measles IgG Testosterone, Male COVID				
		UA HCV Ab w/refix Urine Drug Screen CRP Mumps IgG Uric Acid COVID				
	Colonoscopy: Due) ()				
	Sigmoidoscopy: Due					
	FIT: Due					
		Sign Orders OK Cancel				
10-Yr CVD Risk: (%) Calculate ACVD						



Hep B Moms







Community Outreach

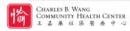
- Work with community organizations for co-hosting health events
- Approach religious institutions and pharmacies about free screening
- Approach patients at Charles B. Wang Community Health Center Covid-19 vaccination sites











Social Media Outreach

- Facebook, WeChat, Instagram to post updates on webinars, free screening program and general hepatitis B educational messages
- Radio shows and webinars –
 presentation on hepatitis B,
 FAQ, contact information for
 screening





Vaccination and Linkage to Care

- Free vaccination for susceptible patients
 - Protocols for nursing to help patient complete series
- Sliding-fee scale for uninsured patients who need linkage to care
 - Hep B registry 9000 patients, approximately 3000 uninsured
 - Low income, mobile workers
- Work with local radiology centers for lower cost imaging studies
- Care management for high-risk patients



Hepatitis B Flowsheet

HBV Registry	Added 10/08/2012 Remove			
- Social HX	Labs		Imaging/Fibrosis Staging	Update
Launch Social History	HBsAg	Update	US Abd	
Tobacco (Yes	DUE		MRIAbd	
Alcohol Yes 11/16/2016	HBeAg	Update	IIRAU	
Family HX	DUE		CTAbd	
No family history HBV or HCC	EUP-	□ Undete		
	anti-HBe DUE	Update	Fibrosis DUE Stage	0
Launch Family Hx			Fibrosis	0
Load History	HBV DNA	Update	Туре	
Mother	DUE			
Father	ALT	Update		
Brother	DUE			
Sister	AST	Update	Fib4Score	
Uncle	DUE		Launch Fib4 Score	
Aunt	DIATTICTO		Apri Score	
M - Grandfather	PLATELETS DUE	Update	Launch Apri Score	
M - Grandmother P - Grandfather	DOE		HCC Risk Estimator	
P - Grandmother	ALBUMIN	Update	Launch HCC Risk Estimator	
Children	DUE		Launch nee Risk Estimator	
Questions	INR	Update		
Discussed Household Screening	DUE			
DUE	TBILI	Update		
	DUE			
^	AFR			
	AFP	Update		
V		3.95 .99 .995		
OMH Recruitment DUE	anti-HAV	Update		
	DUE			
	anti-HCV	Update		
	DUE			
	HIV	Update		
	DUE			
	Ot			
	Genotype	Update		
	anti-HDV	Update		

	正常肝臟
	1
	肝硬化
-	

乙型肝炎

乙型肝炎是由乙型肝炎病毒所引 起的嚴重肝臟感染。如沒有接受 治療與護理,時間一長,乙型肝 炎可能導致肝硬化、肝臟受損甚 至肝癌。



即使你沒有感到不適,你仍然應 該定期看醫生,瞭解病毒有否損 壞你的肝臟。學習如何護肝,保

乙型肝炎在亞裔家庭中十分普遍。你的家族病史有助醫生為你選擇最佳的治療方法。如果你的家族成員曾經有以下的病況,請在方格內打勾:
□ 乙型肝炎病毒 □ 乙型肝炎病毒,並正在或曾經使用藥物 □ 肝癌 □ 肝硬化
把你的肝臟受到威染這個事實坦誠地告知家人和你關心的人,並鼓勵他們接受測試及注射疫苗。乙型 肝炎是可以預防和治療的。
乙型肝炎的護理: • 遵循預約去看醫生。 • 按照醫生的指示做化驗檢查。 • 善用這張士, 記錄你的健康情況。 • 按照醫生的處方服藥。

保護 你 心 爱 的 人: 乙型肝炎是透過血液與體液傳播的。 • 在進行性行為時,請使用安全套。

• 請勿與任何人共用牙刷或剃刀。

如你有任何疑問,請向醫生查詢。

姓名: Name:	診症號碼: PID:	
	-	

如果你打算或正在服食中草藥和其他藥物, 請告訴你的醫生。因為它們可能對肝臟有害。
 切勿飲酒,酒能傷肝。

定期去看醫生是很重要的。謹請按照預約時間做乙型 肝炎復診,並帶上這張卡。醫生會把你的測試結果記 錄在卡上,讓你可以監察肝臟的健康狀況

Seeing your doctor regularly is important. Remember to come to your scheduled hepatitis B follow up visits. Bring this card with you. Your doctor will record your lab results on the card. This will help monitor the health of your liver. © 10/2017



CHARLES B. WANG COMMUNITY HEALTH CENTER 王嘉康杜區醫泰中心



Cirrhosis

Hepatitis B

Hepatitis B is a serious liver infection caused by the hepatitis B virus. If not cared for or treated, over time hepatitis B can lead to cirrhosis (liver scarring), liver damage and liver cancer.

Even if you don't feel sick, you should still see your doctor regularly. You need to find out if the virus is damaging your liver. Learn how to care for your liver, and keep it healthy.

Hepatitis B is very common in Asian families. You	ır family
history is helpful to your doctor to decide treatn	nent for
you. Check all the conditions that anyone in you	r family
has had:	

Hepatitis B virus
Hepatitis B virus and is/was on medication
Liver cancer
Cirrhosis

Be open and tell your family and loved ones about your liver infection. Encourage them to get tested and vaccinated too. Hepatitis B can be prevented and treated.

Tips on how to care for yourself:

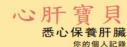
- Come to your scheduled appointments.
- · Get the lab tests your doctor orders.
- · Use this card to keep track of your health condition.
- · Take medication as prescribed by your doctor.
- · Do not take any herbal products or medicine without
- telling your doctor. They may damage your liver.

 Do not drink alcohol. It can damage your liver.

Protect your loved ones.

- Hepatitis B can spread through blood and body fluids.
- · Use condoms when you have sex.
- . Do not share your toothbrush or razor with anyone.

Talk to your doctor about any concerns.



B Healthy Keeping your liver healthy Your personal record

乙型肝炎病毒(HBV)血液測試結果 YOUR HEPATITIS B VIRUS (HBV) BLOOD TEST

如果這項測試結果呈陽 性(+),表明你已經感染

日期 乙肝表面抗原 HBsAg Hepatitis B Surface Antisen

		」			
		If this test result is positive (+), it means that you are infected with the hepatitis B virus.			
1					
日期 Date	乙肝表面抗體 HBsAb Hepatitis B Surface Anti	如果這項測試結果呈陽 性(+),表明你對乙肝病 毒產生免疫力。 If this test result is positive (+), it means that you are immune to the hepatitis B virus.			
日期 Date	乙肝 "e" 抗原 HBeAg Hepatitis B "e" Antigen	如果這項測試結果呈陽性 (+),通常表明你血液內的病 毒數量較高。你把病毒傳染他 人的機會較高。當會·抗原呈 陽性,通常稱為「大三陽」。 所以 所以 所以 所以 所以 所述 所以 所述 所述 所述 所述 所述 所述 所述 所述 所述 所述 所述 所述 所述			
日期 Date	乙肝 "e" 抗體 HBeAb Hepatitis B "e" Antibody	如果這項測試結果呈陽性 (+),表明你的血液內病毒 數量較低。當"e"抗魔呈陽性(而"e"抗原呈陰性),通 常稱為「小三陽」。			



治療記錄

醫生將根據你的檢查報告、健康情 况與家族史來決定你是否需要治療。

作情時 パープー間」 (

f this test is positive (+), it can mean that the amount of virus in your blood is lower. When "e" antibody is + ("e" antigen is -), it is often described as "small three positive."

TRACK YOUR TREATMENT

Your doctor will decide if treatment is needed based on your test results, health condition and family history.

接受檢查,瞭解肝臟狀況 TESTS TO CHECK THE HEALTH OF YOUR LIVER

日期 Date	轉氨酶水平 ALT (U/L)		肝功能測試能夠衡量你的肝 臟發炎的程度。假如結果呈 上升,就表明你的肝臟已經 受到影響。 Uver function tests measure inflammation in your liver. If the result is elevated, it means your liver is affected.	
日期 Date			這項測試能夠顯示你血液內 乙型肝炎的病毒合量。如果 病毒含量開始上升,醫生會 维一步警察你的健康状況。 This test shows how much hepatits B virus you have in your blood. If your viral load starts to increase, your doctor will need to monitor you carefully.	
日期 Date	Fibrosis Score		計肝臟中的瘢痕形成量、數值範 iFO(正常)到 F4(肝硬化)。 timates the amount of scarring in iver from a scale of F0 (normal)- F4 hosis).	
日期 Date	超聲波 Ultrasound	這能夠幫助檢測肝硬化或肝癌 - lt can help detect cirrhosis or cancer in the liver.		
日期 Date	甲胎蛋白 AFP (ng/mL)	這項測試能夠幫助檢測肝癌 - This test can help detect liver cancer.		
日期 Date	甲型肝炎抗體 Hepatitis A Ab (Hepatitis A Antibody)	如果這項測試結果呈陽性(+)·表明你 對甲肝病毒產生免疫力。 If this test result is positive (+), it means that you are immune to the hepatitis A virus.		
日期 Date	丙型肝炎 Hepatitis C	如果這項測試結果呈聯性,表明你感 靠了两型肝炎病毒。 If this test is positive, it means that you are infected with the hepatitis C virus.		
	開始日期		結束日期	

藥物名稱 Medication Name	劑量 Dosage	開始日期 Start Date	結束日期 End Date

Continuation and Future Goals

- Expand universal screening to other primary care departments such as GYN, dental
- 2. Identify more opportunities to work with community organizations

Thank you!

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