### Leveraging Electronic Health Records and Specific Demographic Data to Screen for Hepatitis B in a Community Health Center

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#### The Institute for Family Health

- 17 full-time Federally Qualified Health Centers (FQHC) in NYC and upstate NY
- 2 School based health programs
- 4 Dental centers
- 2 Mental health centers 2 Free cl



- 8 Homeless healthcare sites 2 Family Medicine Residency Programs
- >300,000 patient visits
- 90,000 unique patients
- 14% uninsured, 44% publicly insured



## Hepatitis B • Approximately 800,000 – 1.4 million infected in US Vaccine preventable 2008: approximately 38,000 new infections 90% of those infected perinatally develop chronic Hepatitis

- I in 4 of perinatally infected people will die of complications from Hep B
  Most who are infected perinatally are from Hep B endemic
- countries

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Open SmartSet: HEP B SCREEN preview	s testing required, preuse use attached orders.
(Last done by AIMEE SMITH, DO at 12:41 PM on 3/28/2	011)
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Associate Primary Dr. New Dr. Prividers	Add Order
	(Add order)
FIEP B SURFACE AG (HBSAG)     Expected-114/2011, Expires-2/2/2012, Routine, CONTI     CONTINUUM CLINICAL LABORATORY (CCL)     SCREEN FOR VIRAL DISEASE NOS (V73.99) edit	NUUM CLINICAL LABORATORY, Resulting Agency -
Exclusionary Orders (turns off BPA)	
HEP B SCREEN NOT INDICATED	0 of 3 selected
Ad-hoc Orders	Add Order
Click the Add Order button to add an order in this section	
Associate Primary Dx New Dx Providers	Next
[ Pharmacy ]	Pend Sign X Remove
033 Restore 🖌 Close F9	Previous F7 4 Next F8

# Results after 5 Months: Response to alert by use of attached order set 32,515 Fires Occurred 3,962 were acknowledged 785 had test ordered directly from alert 10 previously unknown cases of Hepatitis B identified (1.3%) based on chart review











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	HepB +	HepB-	
From Endemic Country	49 (1.8%)	2676	
Not from Endemic Country	30 (0.9%)	3230	
Risk Ratio = 1. There is a 2-tin among those from with these when	95 (1.24-3.07) ne increased l om endemic	7) ikelihood of Hep countries compar	oB red

New Hep B BPA includes other immigrant			
screening tests			
8			
v HEP 8 SCREEN	AM Order		
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