

HIV, HBV and HCV Testing Model in an Urban Hospital Setting

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About NewYork-Presbyterian/Queens

- A member of the NewYork-Presbyterian Healthcare System which is now one of the largest healthcare systems in the country.
- A 535-bed acute care hospital.
- Admitted 32,000+ patients, had 162,000+ outpatient visits, and treated 124,000 people through the emergency department in 2015.

2015 Patient Population

Language Preference	Inpatient	Outpatient & ED
English	18,708 (55.8%)	202,395 (61.5%)
Chinese	6,930 (20.7%)	33,978 (10.3%)
Spanish	4,230 (12.6%)	60,222 (18.3%)
Korean	1,192 (3.6%)	12,744 (3.9%)
Others	2,448 (7.3%)	19,972 (6.1%)
Total	33,508	329,311

NYP/Queens Emergency Department

- Has up to 6 Emergency Medicine board-certified physicians at a time.
- American College of Surgeons designated **Level 1 Trauma Center**, treats 1,000+ adult and pediatric trauma cases each year.

Current Screening Policy

- HIV: New York State HIV Testing Law requires hospital to offer HIV test to patient, 13-64 years old.
- HCV: NYS Hep C testing law requires hospital to offer screening to individual born between 1945 and 1965.
- HBV: CDC recommends providing screening to persons born in regions of high and intermediate HBV endemicity and persons at high risk of infection.

2014 HIV Surveillance in NYC

Newly Reported Per 100,000 People

HIV in Queens

19.9

HIV diagnosis rate per 100,000 population¹ by ZIP code

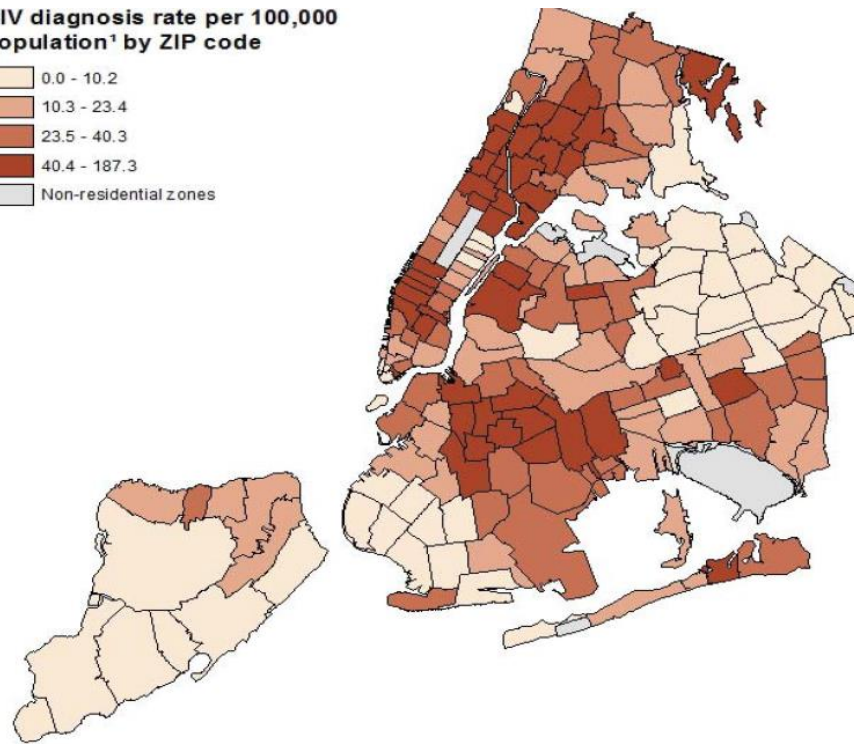
0.0 - 10.2

10.3 - 23.4

23.5 - 40.3

40.4 - 187.3

Non-residential zones



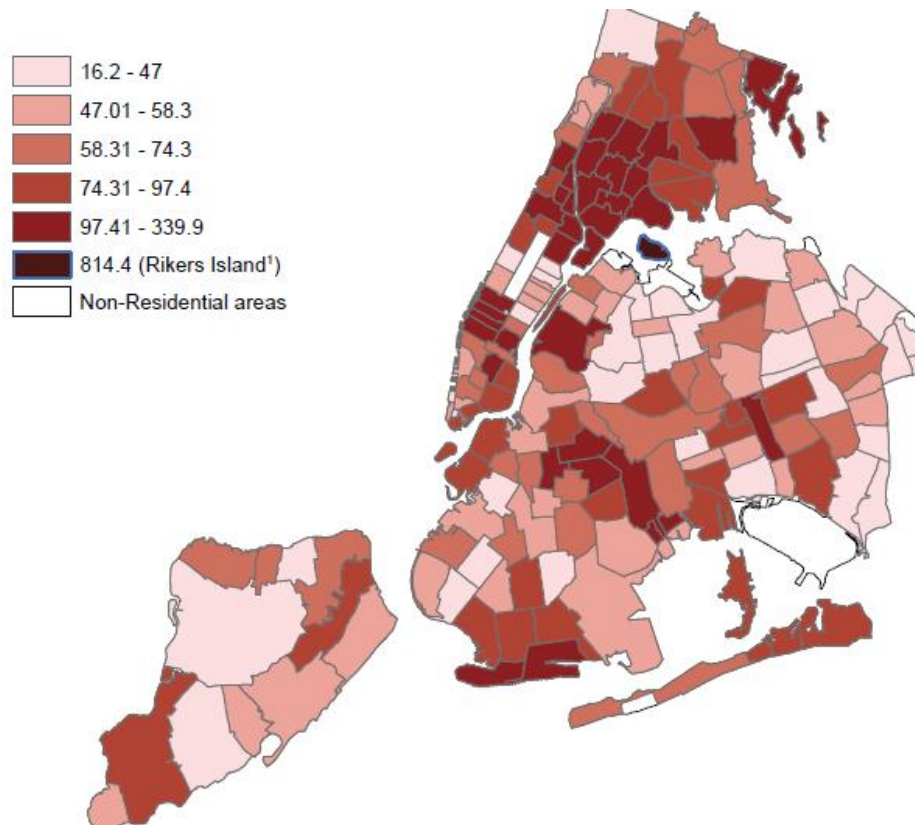
Data from: NYC DOH HIV Surveillance Annual Report, 2014

2014 HCV Surveillance in NYC

Newly Reported Per 100,000 People

Chronic HCV in Queens

62.1



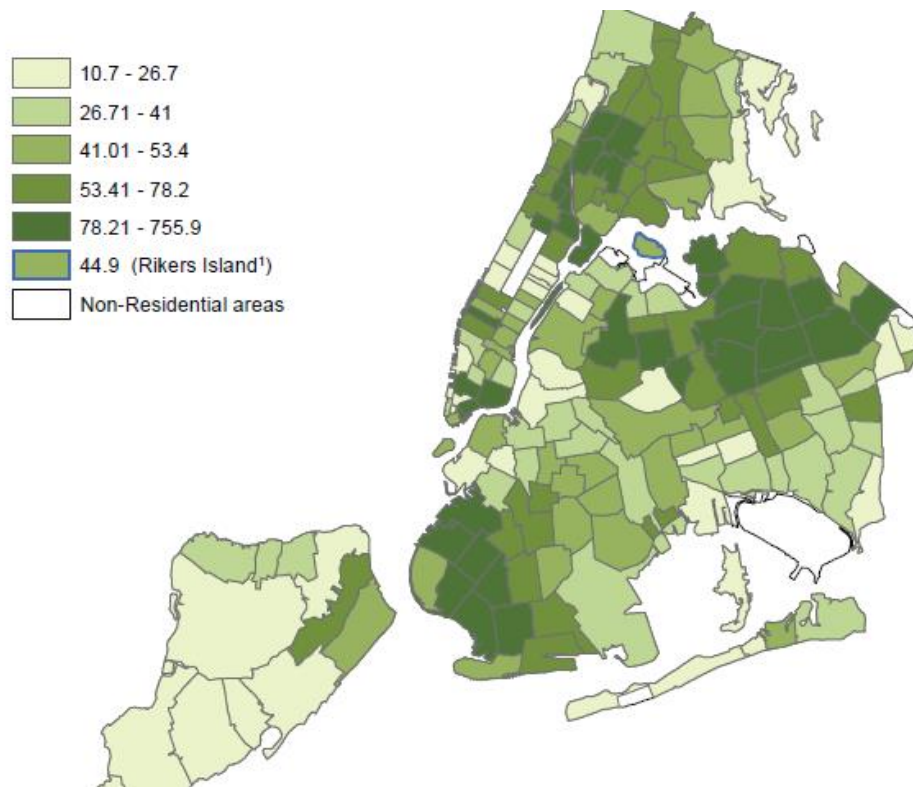
Data from: NYC DOH Hepatitis B and C Annual Report, 2014

2014 HBV Surveillance in NYC

Newly Reported Per 100,000 People

Chronic HBV in Queens

91.2



Data from: NYC DOH Hepatitis B and C Annual Report, 2014

Project Background

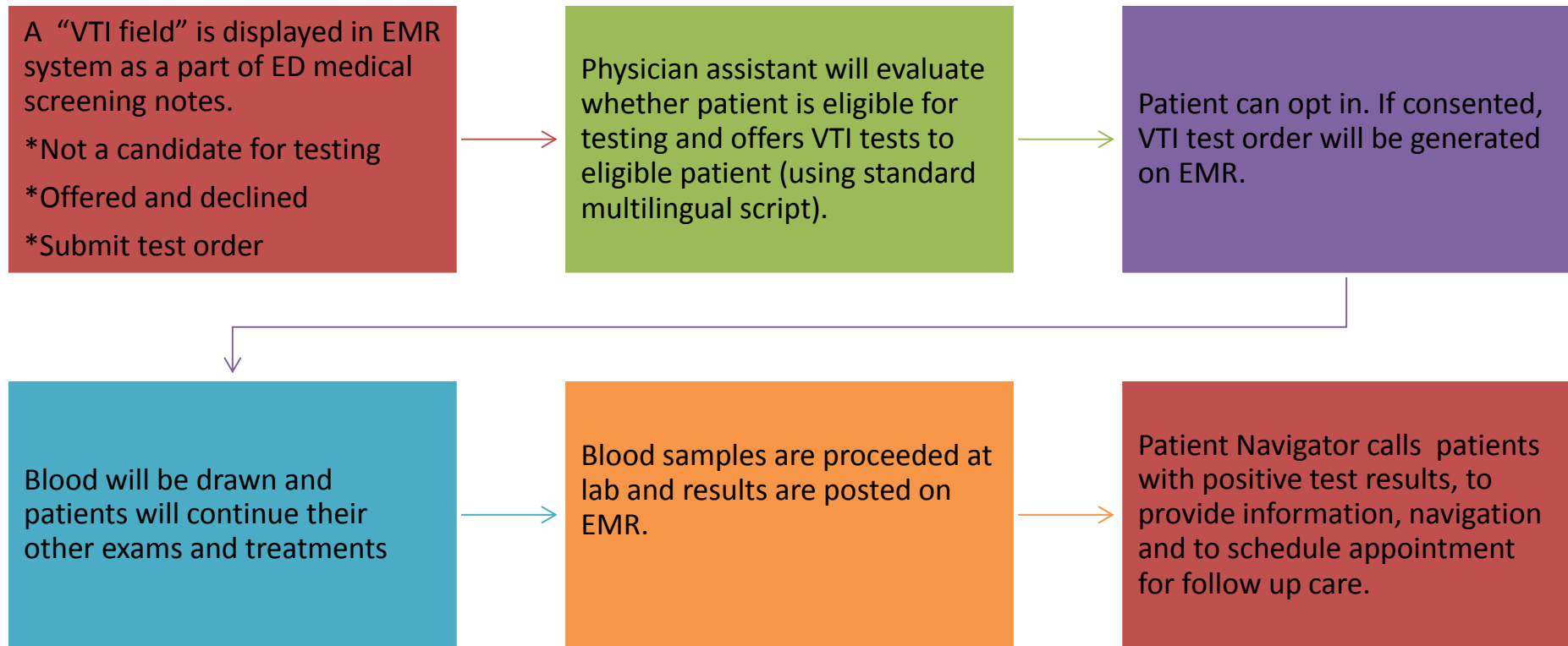
- NYP/Queens has witnessed unusually high rates of Hepatitis C among the growing population of first-generation Asian immigrants¹.
- There is also an increase in overall rate of Asians with HBV, with an infection rate that is 35 times higher than is found in the general U.S. population².

1. Mitchell, MD. High Hepatitis C, Liver Cancer Rate In Queens, NYC: Russians & Asians: 2010. NewYork-Presbyterian/Queens State of the Hospital Presentation.
2. Screening for chronic hepatitis B among Asian/Pacific Islander populations--New York City, 2005. Centers for Disease Control and Prevention (CDC).

Project Goal

- To reduce HCV, HBV, and/or HIV/AIDS-related morbidity and mortality by dramatically increasing routine testing among our patient population at Emergency department (ED) and Ambulatory Care Center (outpatient center).
- To link infected patients to care, either under hospital specialists or patients' primary physicians

ED Viral Testing Initiative (VTI) Work Flow



Project Resource₍₁₎

CREATE Preview Date of Service : 16 - Jun - 2016 Time : 13 : 47

Copy Forward Refer to Note Preview Modify Template

Document Info

Sections

Performed by

Physician Information

QuickReg Time: 13-Jun-2016

Import Medical Screening Time (if same as yours).

Time Seen by Me (Military Time): HH : mm Date: dd - MMM - yyyy

VTI

VTI (triple viral testing): Offered and Declined Submit VTI (Triple Viral Testing) order Not a candidate

**A mandatory question in physician screening note in EMR system.
All physician need to offer the test to patient before discharge.**

Project Resource⁽²⁾

- Multilingual informational script assists physician assistant in offering test to patients.
- Special phone line for patients to call for the test results.

NewYork-Presbyterian/Queens provides screening for Hepatitis B, Hepatitis C, and HIV for all eligible patients at no cost to you or your insurance company. You are not required to get tested in order to complete your regular treatment and you have a right to decline to get tested if you choose. If you opt in to be tested, we will complete these three blood tests during your visit today. The results of these tests will be ready in 1 week. At that time, you can contact the patient navigator at 718-670-2051 for the tests results from 9:00am to 5:00pm, Monday thru Friday. We will follow up with all patients with positive results to provide guidance and assist with follow up care, either at NewYork-Presbyterian/Queens or with your primary care physician. Further, the patient navigator will also provide you a list of community clinics and resources that can assist you with your treatment needs.



Do you have any questions? Would you like to be tested for Hepatitis B, Hepatitis C, and HIV today?

紐約長老會皇后醫院為符合資格的病人提供免費的B型肝炎、C型肝炎和HIV（艾滋病）的篩檢。這些篩檢與您其他常規的治療是沒有衝突的並且您是有權利拒絕接受篩檢。如果您決定接受篩檢，我們會在您今天看診的時候一併完成這三個驗血篩檢。這些篩檢將在一周內有結果。到時候，您可以致電我們的病患導航員查詢結果。電話號碼為718-670-2051，辦公時間是週一到週五，早上9點到下午5點。對於篩檢結果為陽性的病人，我們將與您聯繫，為您提供指引，協助您於紐約長老會皇后醫院內或您的家庭醫生裡的追蹤檢查預約。此外，病患導航員也會提供給您相關的疾病治療社區診所名單和社區資訊。

您有疑問嗎？您想要在今天接受B型肝炎、C型肝炎和HIV（艾滋病）的篩檢嗎？

El hospital New York-Presbyterian/Queens esta ofreciendo pruebas de la Hepatitis B, Hepatitis C y el virus del VIH gratuito para todos los pacientes. Usted puede aceptar las tres pruebas de sangre durante su visita de hoy o poder decir que no quiere estas pruebas. Su visita de hoy no sera afectada por las pruebas que aqui le ofrecemos. Los resultados estaran listos en 1 semana. Usted nos puede llamar al 718-670-2051 para preguntar por los resultados. Si algunas de las pruebas son positivas, nosotros le avisaremos y le ayudaremos a hacer una cita con un especialista en nuestro hospital o en otro centro de su preferencia, o con su doctor de cuidado primario. Tambien le vamos a proveer informacion sobre clinicas en la comunidad que presta servicios medicos para estas enfermedades virales.

Tiene alguna pregunta? Le gustaria hacerse las pruebas de la hepatitis B y C y la de VIH hoy?

NewYork-Presbyterian/Queens에서는 모든 해당 환자 분들께 B형, C형 간염 및 HIV 검사를 무료로 제공 해 드리고 있습니다. 정상적 치료를 위한 필수 검사가 아니며 받지 않을 권리가 있습니다. 원하시면 이 세가지 피검사를 내원하시는 날 받으실 수 있습니다. 결과는 일주일 내입니다. 평일 오전 9시부터 오후 5시 사이 진료 안내인 718-670-2051에 게 전화하시면 됩니다. 모든 양성반응 환자분들에게는 후속 조치로 안내를 해 드리고 NewYork-Presbyterian/Queens 또는 주치의에서의 추가 치료를 도와드립니다. 또한 진료안내인이 환자분 치료에 필요한 병원 및 기관의 명단을 드릴 것입니다.

의문 사항이 있으세요? 오늘B형, C형 간염 및 HIV 검사를 받아 보시겠습니까?

 NewYork-Presbyterian
Queens

- Posters and education materials for patients to learn more about HIV, HCV & HBV.



Project Resource₍₄₎

- NYP/Queens special clinics
 - For HIV
 - Special Care Center
 - 138-47 Horace Harding Expressway 2nd floor, Flushing, NY 11355
 - Phone: (718) 670-2530
 - For HCV & HBV
 - NewYork-Presbyterian/Queens Liver Center
 - 4402 Francis Lewis Blvd Ste A, Bayside, NY 11361
 - Phone: (718) 670-2900
 - Ambulatory Care Center
 - 182-15 and 182-19 Horace Harding Expressway, Fresh Meadows, NY 11365
 - Phone: (718) 670-2903

VTI Result

	Jan	Feb	Mar	Apr	May	June (1/2 month)	Total
HIV Tests Performed	152	193	177	91	264	281	1,158
HIV+ Patients	0	1	0	0	2	2	5
HIV+ Patients Linkage to care	0	1	0	0	2	2	5
HCV Tests Performed	28	30	23	27	185	246	539
HCV RNA+ Patients	0	0	0	0	0	1	1
HCV+ Patients Linkage to care	0	0	0	0	0	1	1
HBV Tests Performed	12	13	9	13	173	237	457
HBV+ Patients	1	0	0	0	1	0	2
HBV+ Patients Linkage to care	0*	0	0	0	1	0	1

Challenges

- Inter-departmental coordination
- Leadership support
- EMR system modification
- Integrating into current work flow
- Resource
- Patient volume
 - The consent rate is approximate 30% among eligible patients at ED

VTI Team

Co - P.I.: Ari Bunim, M.D, Ming-der Chang, Ph.D.

Project Champions :

- **Community Health Initiatives**
 - Wai Leung, MD
 - Ming-der Chang, Ph.D.
 - Chih Chiang
- **Liver Center**
 - Ari Bunim, MD
- **Special Care Center**
 - David Rubin, MD
- **Ambulatory Care Center**
 - Blanca Sckell, MD
 - Cindy Sadikot, MD
- **IT**
 - Susan Emro
 - Geeta Nastasi
- **Emergency Department**
 - Michael Radeos, MD, MPH
 - Jonathan Siegal, MD
 - David Walker, MD
 - Suzanne Pugh, RN
 - Maiha Nguyen, MS, PAC
- **Clinical Laboratories**
 - William Rodgers, MD, PhD
 - Vincent LaBombardi, MD
 - Debra Harragan-Jokisch
 - Eric Carlson
- **Grant**
 - Jamalia Brashears
- **Finance**
 - Valerie Mamrosh-Gonzalez

New York-Presbyterian Queens

**AMAZING
THINGS
ARE
HAPPENING
HERE**

Thank you!