

Icahn School of Medicine at **Mount Sinai**

¹Icahn School of Medicine at Mount Sinai, New York, United States, ²African Services Committee, New York, United States, ³Bellevue Hospital Center, New York, New York, United States

BACKGROUND & AIMS

- Hepatitis Outreach Network (HONE) is a community viral hepatitis and link to care study targeting ethnic, foreign-born adults in New York City (NYC) at risk for hepatitis B (HBV) and hepatitis C (HCV).
- ► HONE, with African Services Committee (ASC), a community based organization, provided targeted HBV and HCV screening and patient navigation to Africans in NYC.
- ▶ The aims of the study are to:
- Raise awareness of HBV and HCV in African-born communities,
- Create a viral hepatitis screening initiative in collaboration with community partners,
- And establish a link between screening and follow-up.

METHODS

Awareness and Screening – October 2011 to August 2014

- Delivered cultural and linguistic appropriate education followed by screening Monday thru Friday at ASC's Counseling & Testing Center in Harlem, NYC.
- Eligibility: >18 years of age, not currently pregnant, with working phone
- Self-administered survey
- Blood tests: HBsAg, HBsAb, HBcAb, HCV Ab
- Culturally Targeted Patient Navigation
- Trained, professional patient navigator from Senegal
- Multilingual: French, English, Wolof, and Serere
- Contacted and counseled patients on test results
- Made appointments, provided reminders and accompanied patients on follow-
- Navigated patients to partnering health centers for continued care.

Follow-Up and Link to Care

- Participants called with results
- HBV-positive = HBsAg (+); offered free, comprehensive evaluation
- Vaccine-eligible = HBsAG (-), HBcAb (-), HBsAb (-); offered HBV vaccine
- Six (6) phone calls at different times of the day are made to reach a HBVpositive individual; if no response, patient is lost to follow-up.



Screening and Follow-Up

Urgent need for increased hepatitis B virus screening and link to care in African-born persons in the US

Aaron Vanderhoff^{1,2}, Hari Shankar¹, Demetri Blanas¹, Mulusew Bekele², Kian Bichoupan¹, Andrea Branch¹, Ellie Carmody³, Valerie-Martel Laferrière¹, Kim Nichols², Douglas Dieterich¹, Ponni Perumalswami¹

RESULTS

- ▶ 2860 individuals from 95 intermediate-high prevalence countries consented and screened; 58% African, 15% East Asian, 27% from Latin America, Caribbean, Middle East and South Asia.
- 1670 African-born participants consented and screened

Baseline Characteristics, Africans	n (%)	National Average*
Median age in years (IQR)	45 (35, 54)	37.2
Gender, male	1119 (67.0%)	49.4%
Insured Medicaid/Medicare Private Uninsured	378 (22.6%) 176 (46.6%) 45 (11.9%) 1292 (77.4%)	86.6% 34.3% 64.2% 11.4%
Primary care physician	385 (23.1%)	82.6%
Educational Attainment High school or less Associate/Bachelor degree Post-graduate degree	1034 (61.9%) 308 (18.4%) 147 (8.8%)	87.1% 41.5% 11.6%
Median years in US (IQR)	12 (4, 20)	N/A

*Data from United States Census available at http://www.census.gov

> 212 (12.7%) Sub-Saharan African-born HBV-positive

- 221 (13.2%) eligible for HBV vaccination [sAg (-), cAb (-), sAb (-)]
- 156 (9.3%) had evidence of HBV vaccination [isolated sAb (+)]
- 253 (15.1%) had evidence of exposure with isolated cAb (+)
- from East Asia.

HBsAg, HBcAb, and HCV Ab Seroprevalence



Total of 269 (9.4%) tested positive for HBV; 48 (84.2% of Non-Africans)

RESULTS

	African, n (%)	Non-African, n (%)	p-value ^a
HBV Infection	212 (12.7%)	57 (5.5%)	< .0001
HBV Exposure	1259 (75.4%)	345 (33.5%)	< .0001
Insured	378 (22.6%)	379 (36.9%)	.001
Has PCP	385 (23.1%)	405 (39.4%)	< .0001

Body Piercing		
Tattoos		



CONCLUSIONS

- collection and handling.

Funding for this research was provided by the Centers for Disease Control and Prevention, Gilead Sciences, Gilead Foundation, Vertex Pharmaceuticals, Chronic Liver Disease Foundation, Bristol-Meyers Squibb, Merck & Co., Genentech, and AbbVie.



Universita Analysis Africanys Non African Cohort

HBsAg(+)	HBsAg(-)	p-value
212 (12.7%)	57 (5.5%)	< .0001
1259 (75.4%)	345 (33.5%)	< .0001

^aPearson's Chi