

Progress Toward Prevention of Transfusion-Transmitted Hepatitis B and Hepatitis C Infection—Haiti, 2005—2014

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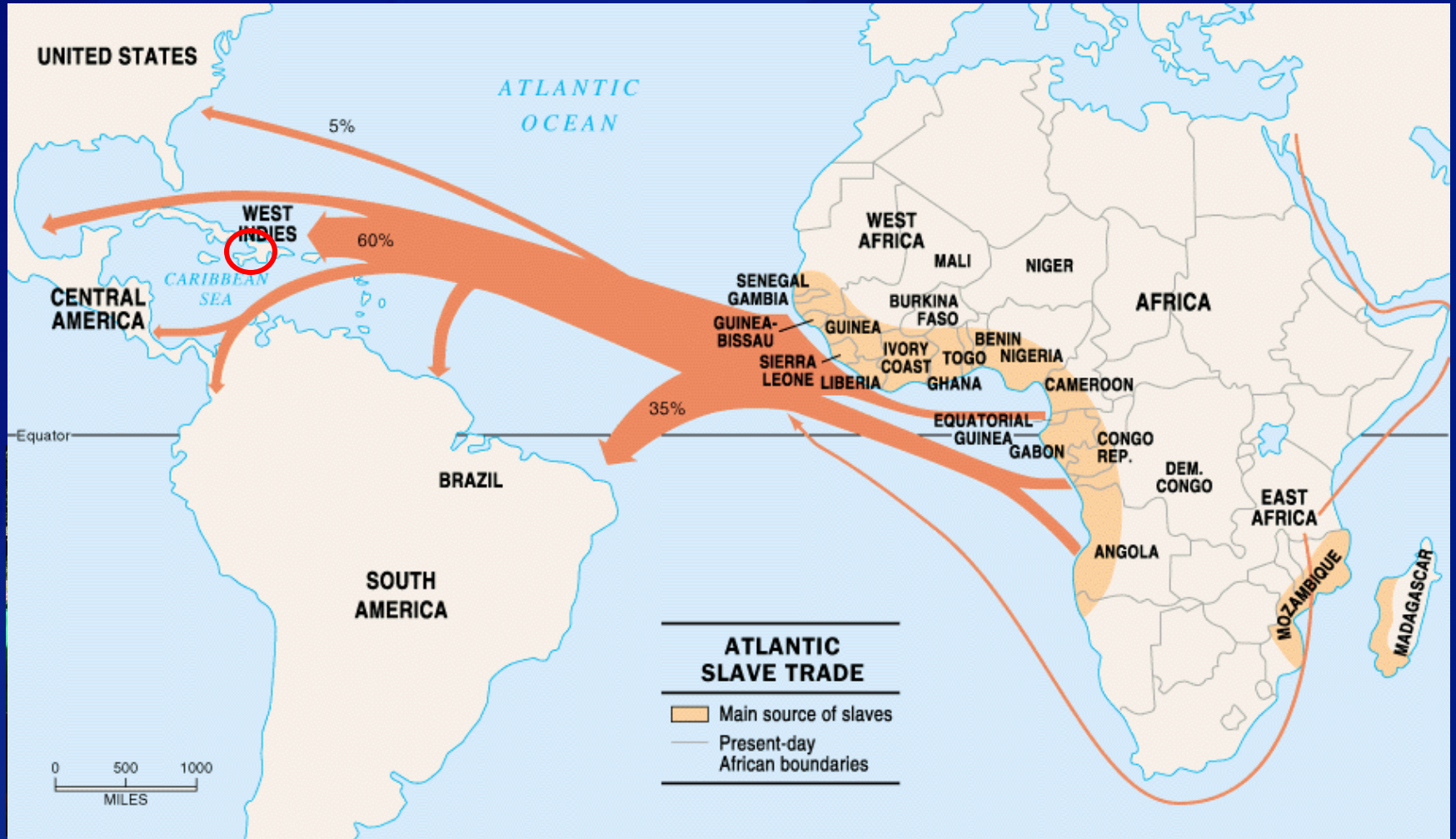
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U.S. Centers for Disease Control and Prevention-Haiti

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December 7, 2016

Context - Haiti



Sources: <http://www.shenoc.com/esclavage.html>
http://who.int/gho/countries/hti/country_profil/en
cdc.gov/globalhealth/countries/Haiti
population Reference Bureau 2014

Background

- ❑ World Health Organization has called for the global elimination of viral hepatitis (VH) by 2030**
- ❑ Data on VH prevalence are limited in Haiti**
- ❑ Epidemiology is poorly described**
- ❑ Descriptive analysis of Hepatitis B virus and Hepatitis C virus seroprevalence among blood donors in Haiti**

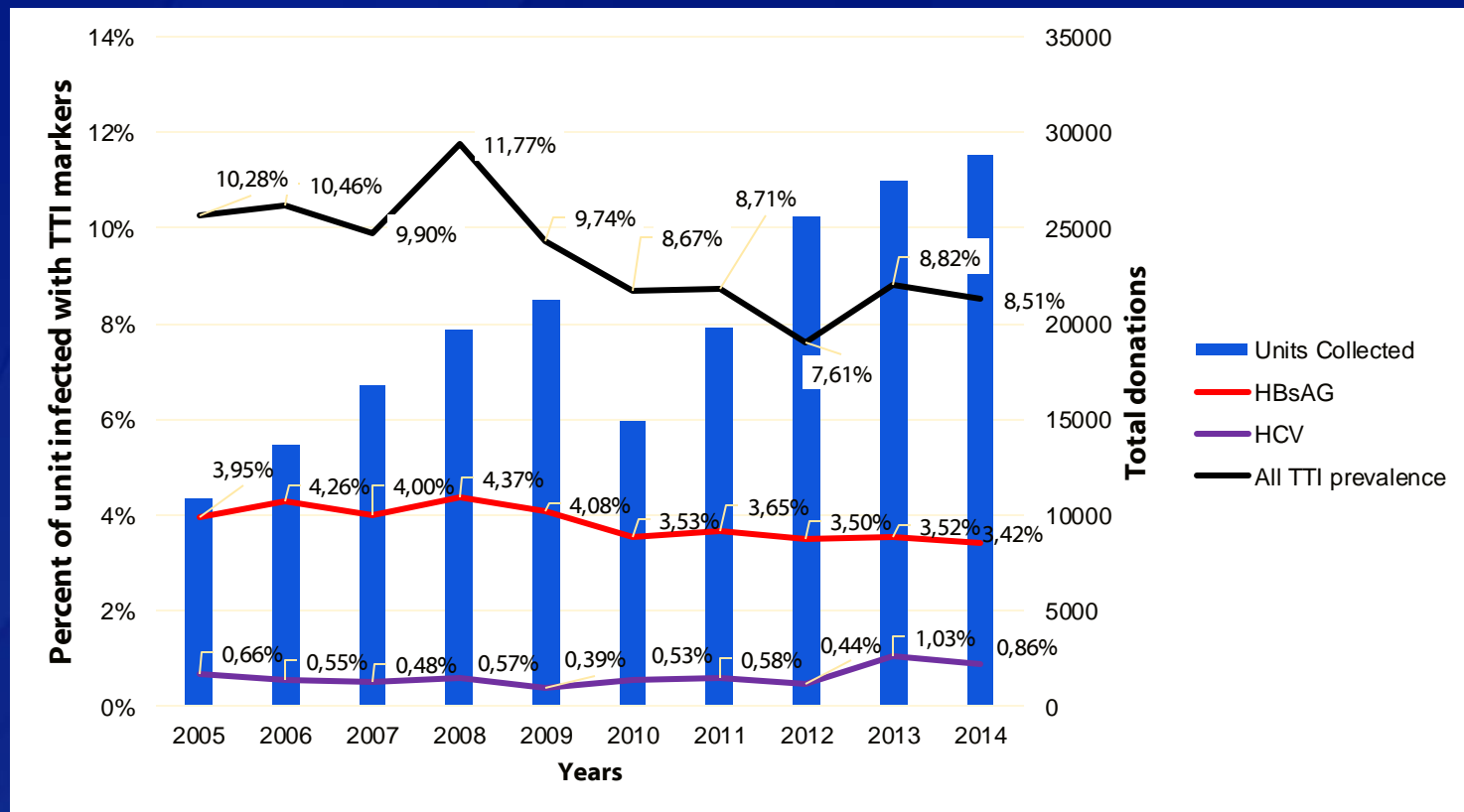
Methods



- ❑ **Review of Haiti's National Blood Safety Program and Haitian Red Cross reports from 2005 to 2014**
- ❑ **Donor serum samples screening test results:**
 - HBV was screened for hepatitis B surface antigen and HCV using ELISA
 - Quality Control
- ❑ **Cox Proportional Hazard regression models to estimate Prevalence Ratios:**
 - Comparisons – 2005 - 2010 - 2014

Results

- 198,758 donor samples were screened in Haiti:
 - 3.80% were positive for HBV and
 - 0.56% for HCV

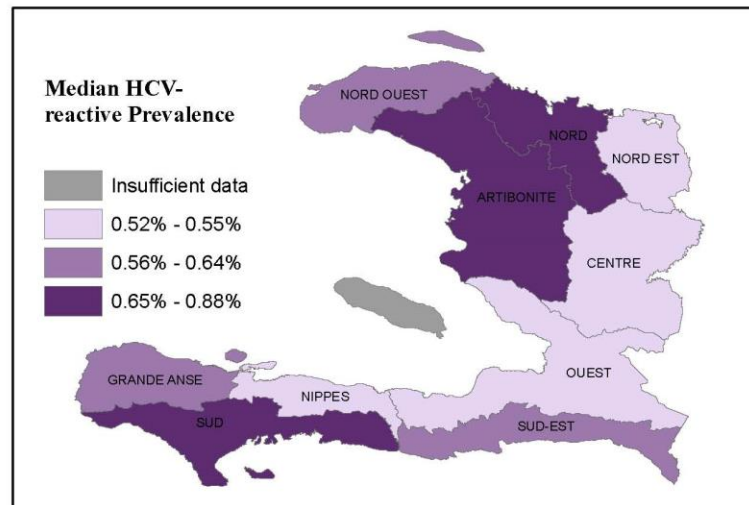
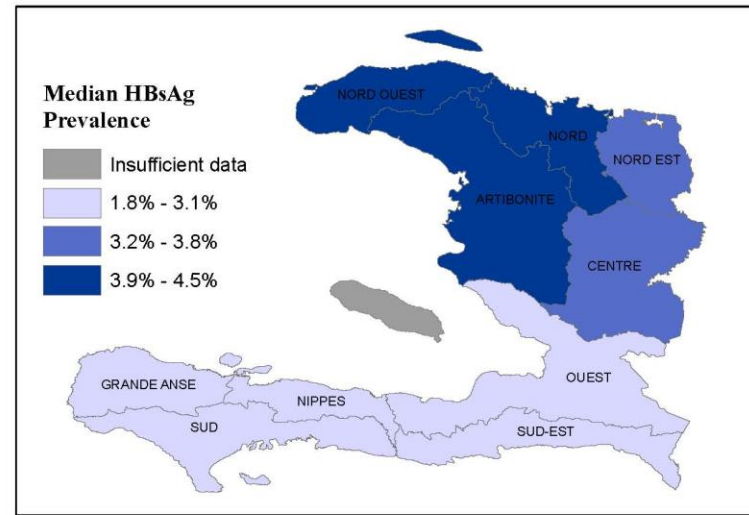


Results (Cont.)

Annual and regional:

- Seroprevalence of HBV remained variable across the regions and the years and
- HCV significantly increased in the Northern region from 2010 to 2014

HBsAg and HCV-reactive blood donations
Haiti, 2010 - 2014



HBsAg and HCV medians were created for data from 2010 to 2014

0 25 50 100 Kilometers

Data Sources: NBSP, HRC, IHSL, CNIGS
Created : December, 2016



Conclusions

❑ **HBV seroprevalence:**

- Intermediate endemicity for chronic HBV infection
- Decrease among blood donors may represent the positive impact of public health interventions in preventing the transmission of blood borne infections

❑ **HCV seroprevalence:**

- low endemicity for chronic HCV infection
- Increase may indicate possible health care–associated infections or unsafe injection practices

❑ **Further investigations are needed**

Acknowledgments

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Thank you !

**Questions?
Comments?**

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