

# African Immigrants Living with HIV in King County, WA

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SHAMP

November 9, 2016

# K01 Award: HIV and TB Transmission in African Population in U.S.

## Aims

1. HIV in African immigrants: Estimate ongoing transmission
2. TB in African immigrants: Missed opportunities for testing/screening/diagnosis
3. Network model to project trends in HIV and TB in the African population going forward

# K01 Award: HIV and TB Transmission in African Population in U.S.

1. HIV in African immigrants: Estimate ongoing transmission in the U.S.
  - A. Cross-sectional study with recruitment in 4 sites to estimate ongoing transmission
  - B. Secondary analysis of PHSKC HIV surveillance and partner services data to examine issue of ongoing transmission

# Data on immigration collected through Partner Services Interviews

## IMMIGRATION HX

66.

	Yes	No	Unknown	Refused	If so, where?
Were you born outside the U.S.? <i>Birthplace 1</i>	<i>1</i>	<i>0</i>	<i>99</i>	<i>77</i>	<i>Birthplace - specify 1</i>

67. When did you move to the U.S.?

(MM/DD/YYYY)

*move US*

68. Did you ever test for HIV prior to moving to the US? *test before US*

*1* Yes. Last time: *test before US date* (MM/DD/YYYY) *0* No *99* Unknown *77* Refused

69. What was the result of that test? *test before US result*

*1* Positive *2* Negative *3* Indeterminate *99* Unknown *77* Refused

70. Have you been back to your home country/area since moving to the US?

*1* Yes *0* No *99* Unknown *77* Refused *home country return*

71. Did you have sex while back in your home area?

*1* Yes *0* No *99* Unknown *77* Refused *home country return sex*

72. Have you tested HIV negative since you last had sex in your home country?

*1* Yes *0* No *99* Unknown *77* Refused *Neg Home Country sex*

73. How many people have you had sex with since moving to the US?

*0* Number: *99* Unknown *77* Refused *sex partners US*  
*sex partners US number*

Added in 2010

# Evidence of Local HIV Transmission in the African Community of King County, Washington

Roxanne Kerani, Joshua Herbeck, Susan  
Buskin, Julia Dombrowski, Amy Bennett,  
Elizabeth Barash, Lindley Barbee,  
Matthew Golden



# Research Questions

- What proportion of African-born PLWH in King County acquire HIV after arrival in the U.S.?
- How many African-born PLWH had been HIV tested prior to their HIV diagnosis?

# Methods: PHSKC HIV data

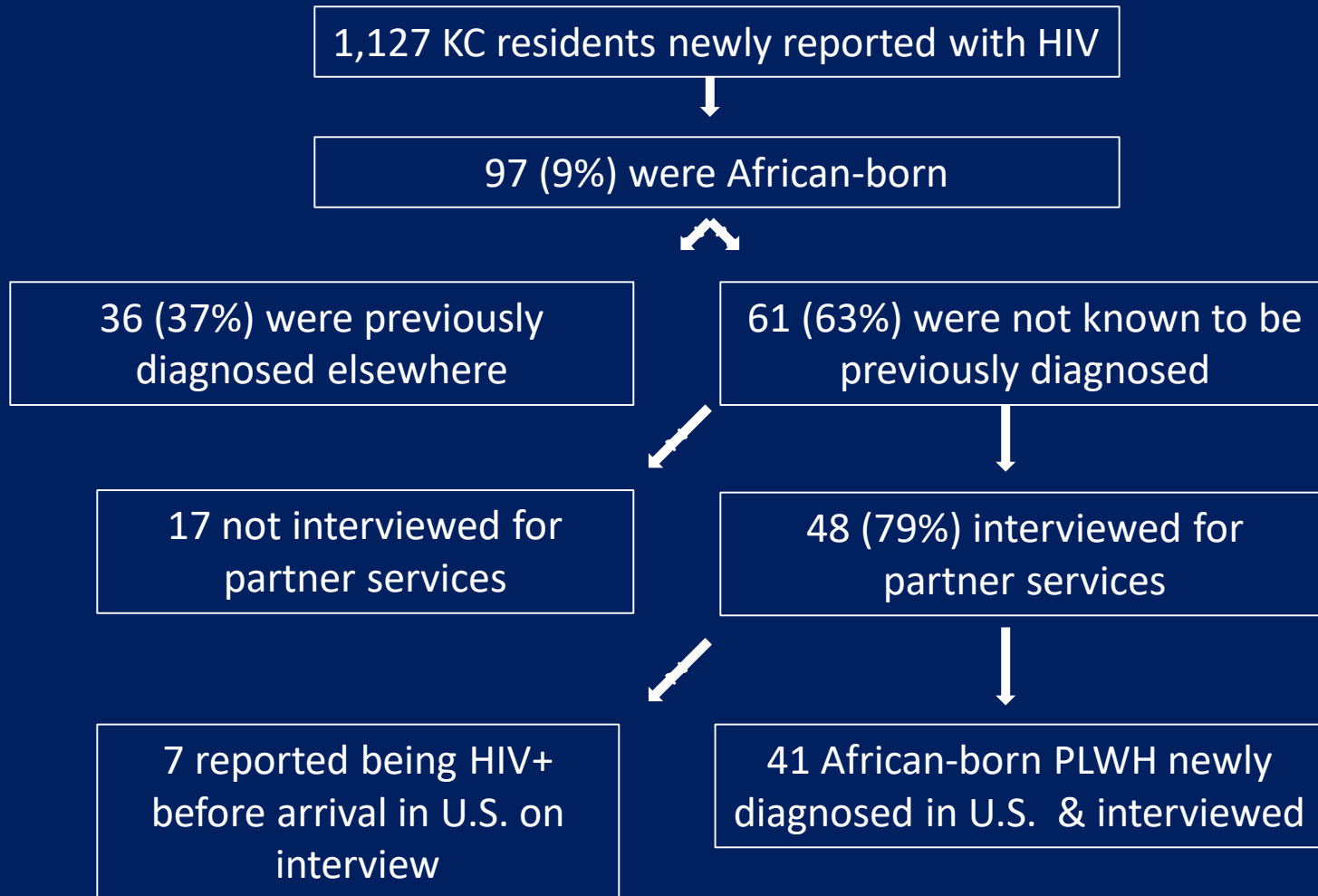
- Includes cases newly reported with HIV and residing in King County, 2010-2013
- HIV surveillance and partner services data
  - Surveillance data based on provider case reports and chart review
  - All new HIV cases are contacted for partner services and linkage to care

# Methods

- Partner services interviews:
  - Conducted in person or by phone - public health staff
  - Data collected include
    - Reason for HIV testing
    - Previous HIV testing and results
    - Sex partners and their test results
  - Persons born outside of the U.S. asked additional questions
- Basic descriptive analyses



# Results



# Results

1,127 KC residents newly reported with HIV



97 (9%) were African-born



36 (37%) were previously  
diagnosed elsewhere

61 (63%) were not known to be  
previously diagnosed

17 not interviewed for  
partner services

48 (79%) interviewed for  
partner services

7 reported being HIV+  
before arrival in U.S. on  
interview

41 African-born PLWH newly  
diagnosed in U.S. & interviewed

36+7=43 (44%) diagnosed before arrival in U.S.

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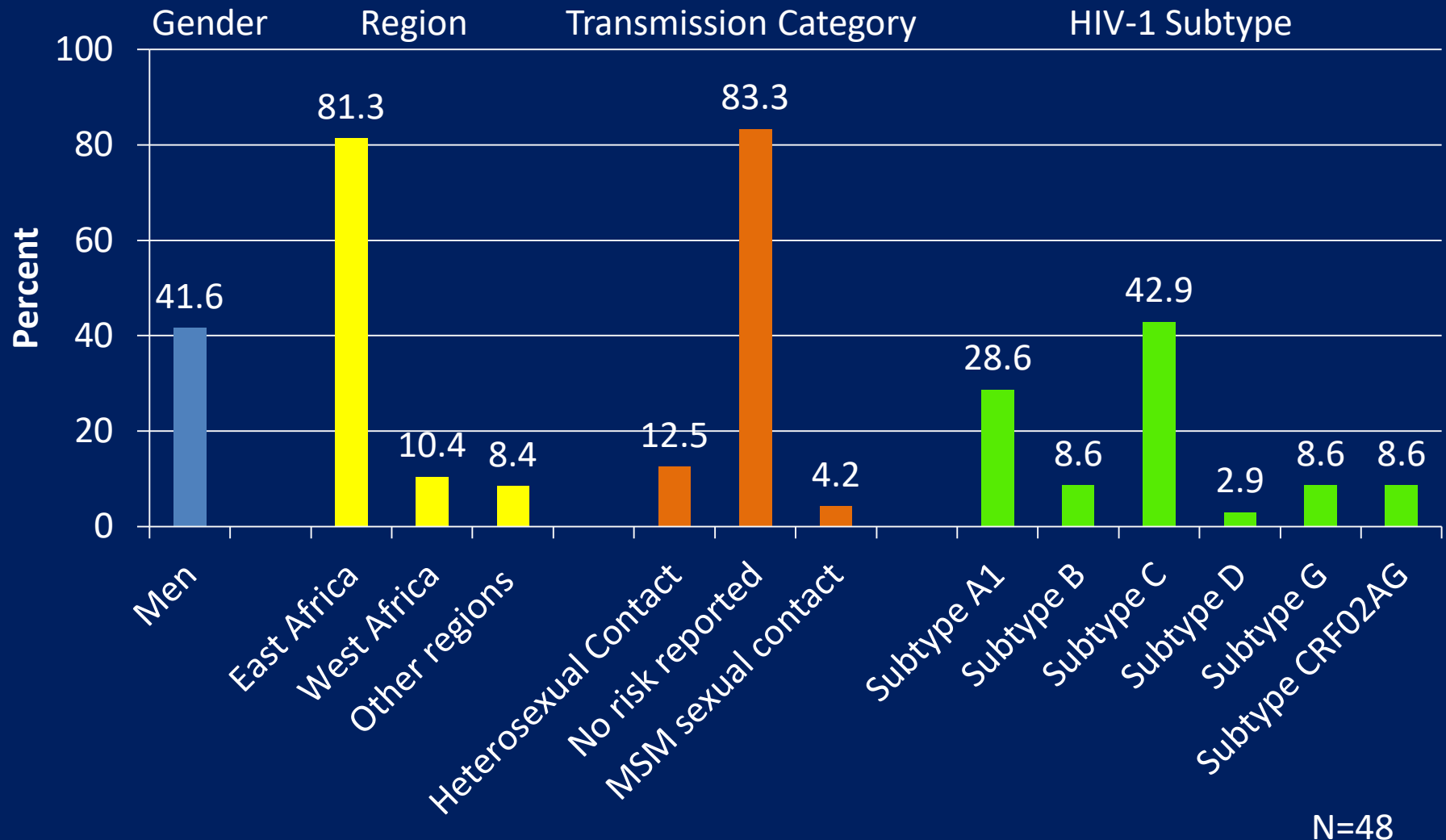
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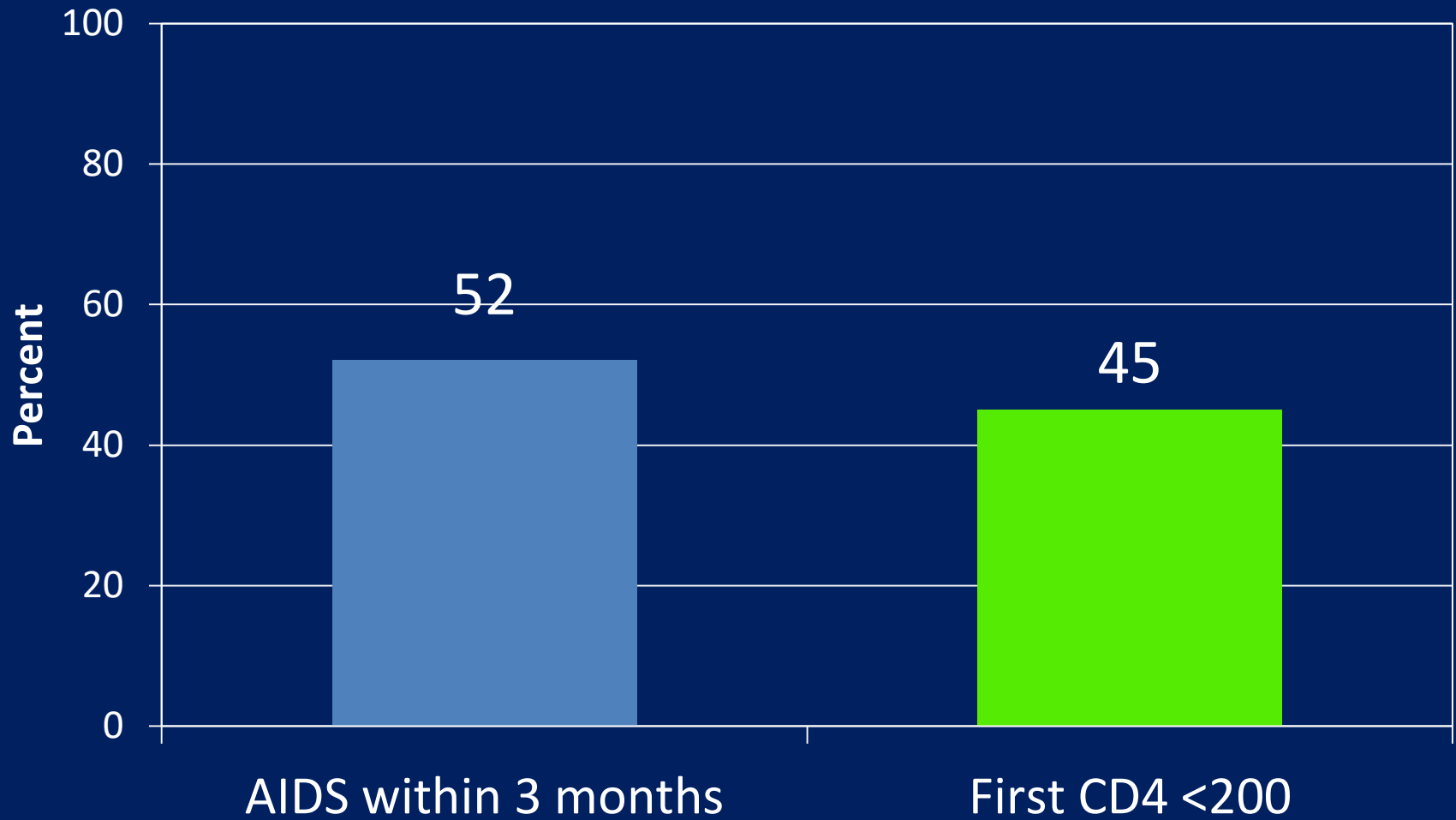
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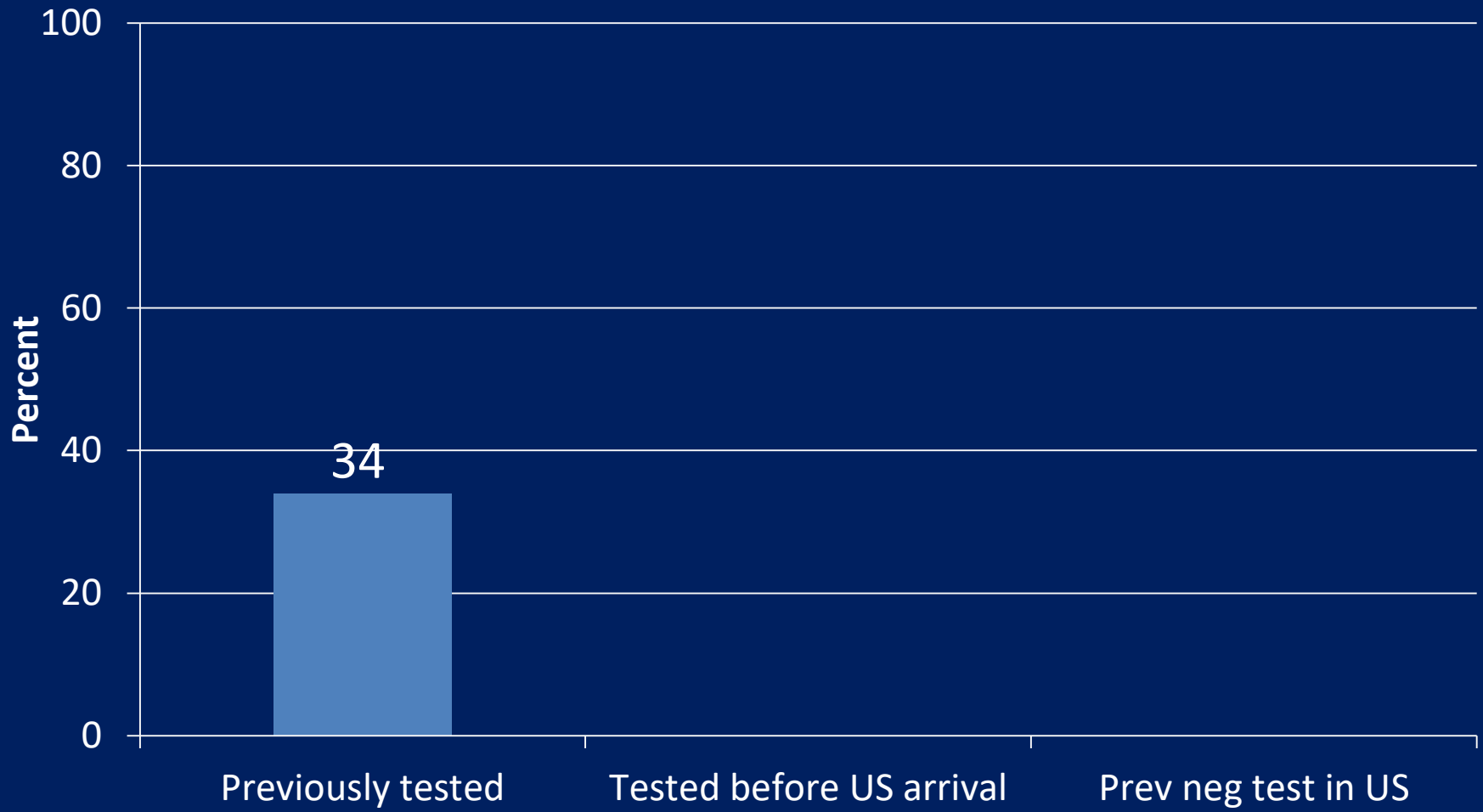
# Characteristics of African-born, Interviewed PLWHA, King County, WA



# HIV-associated morbidity

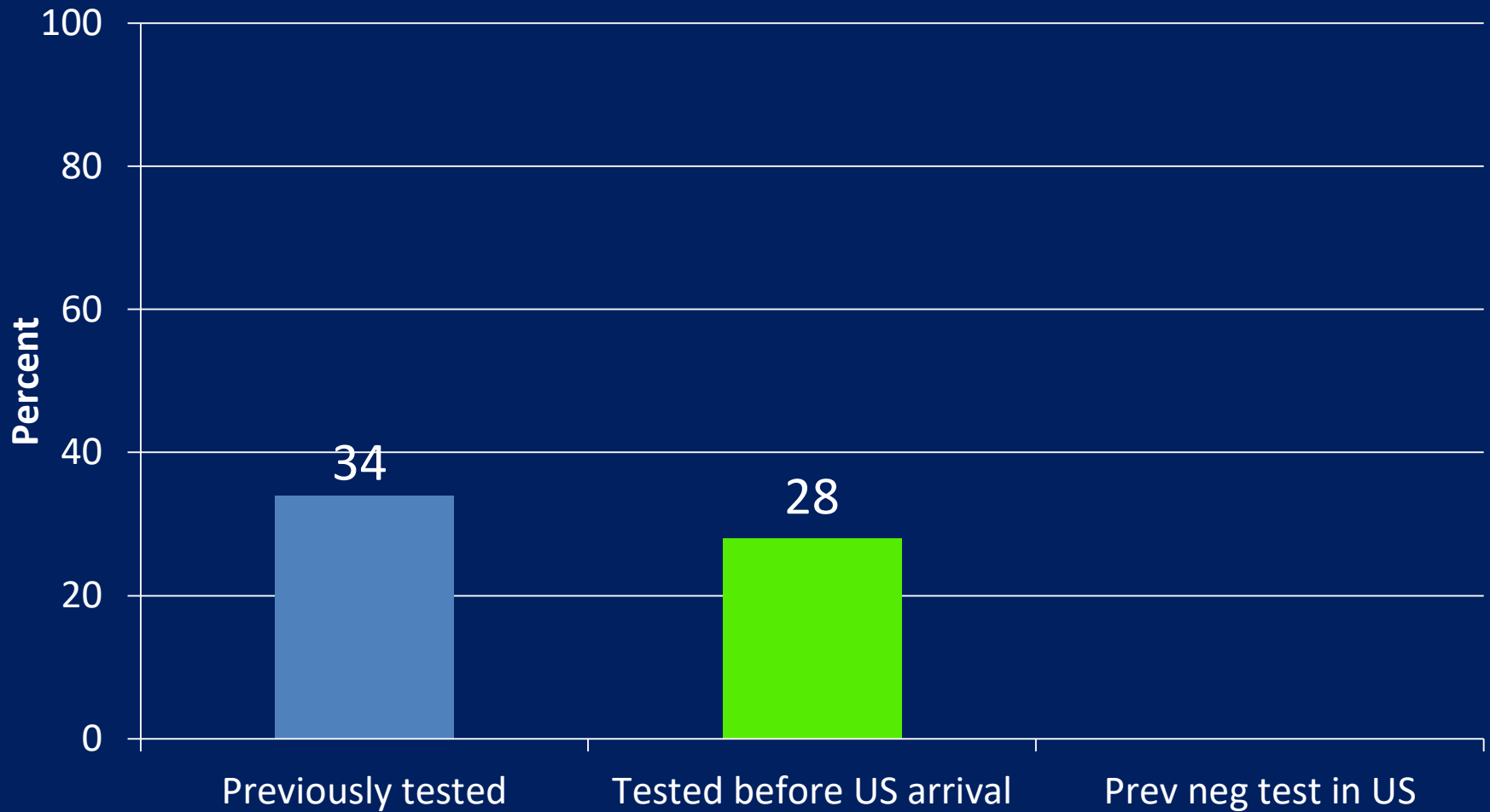


# HIV testing history



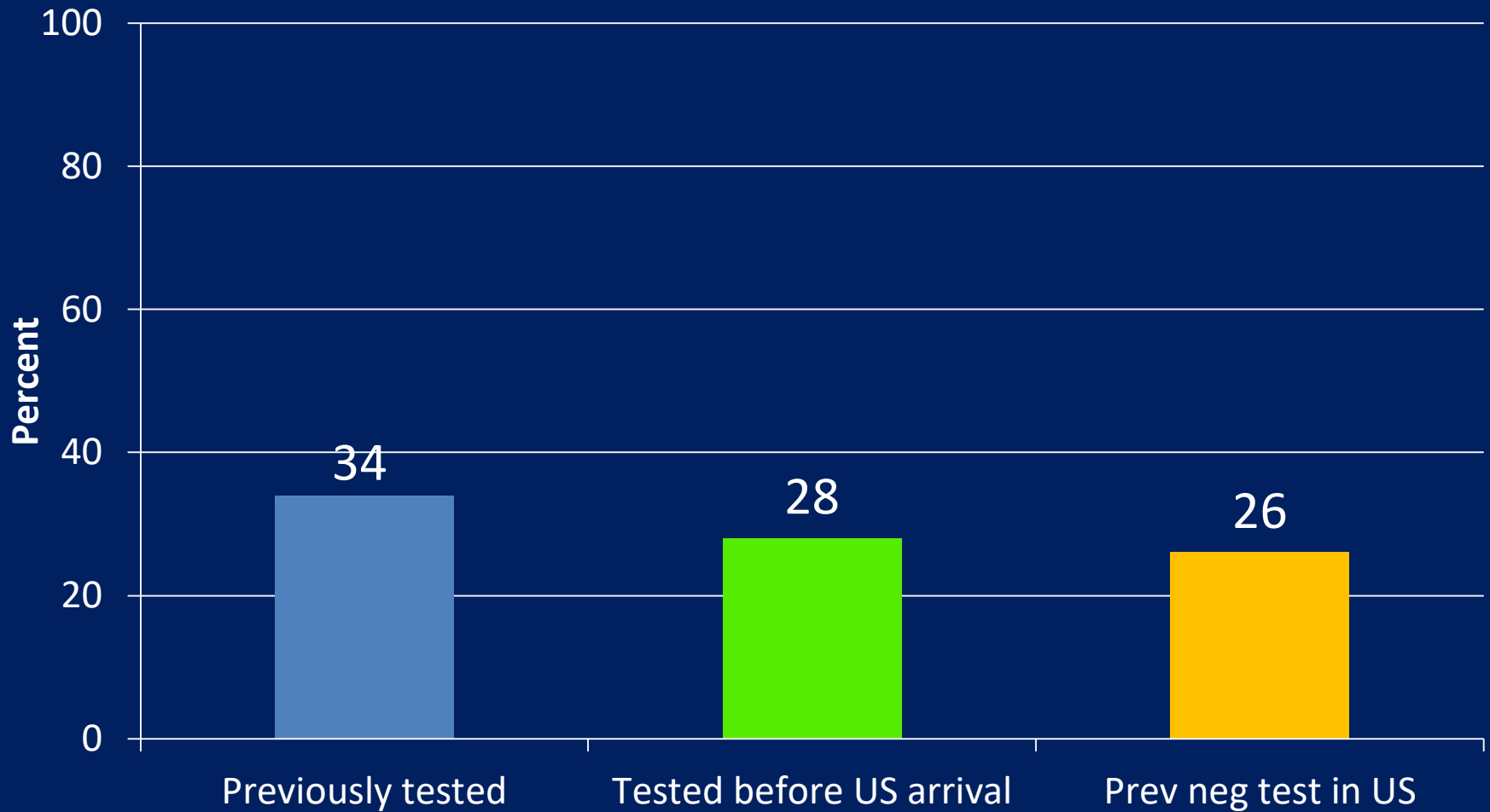
N=41

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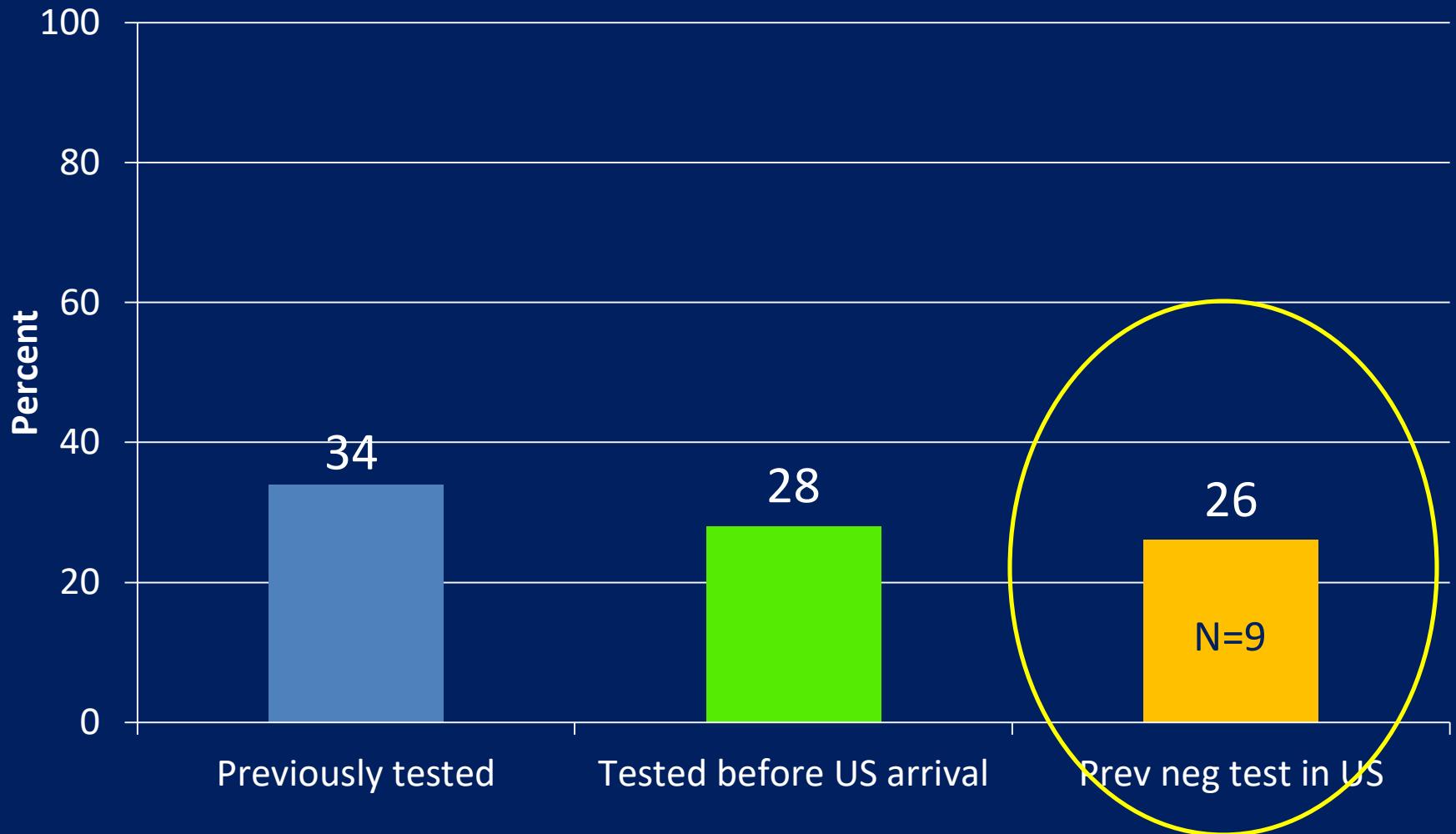
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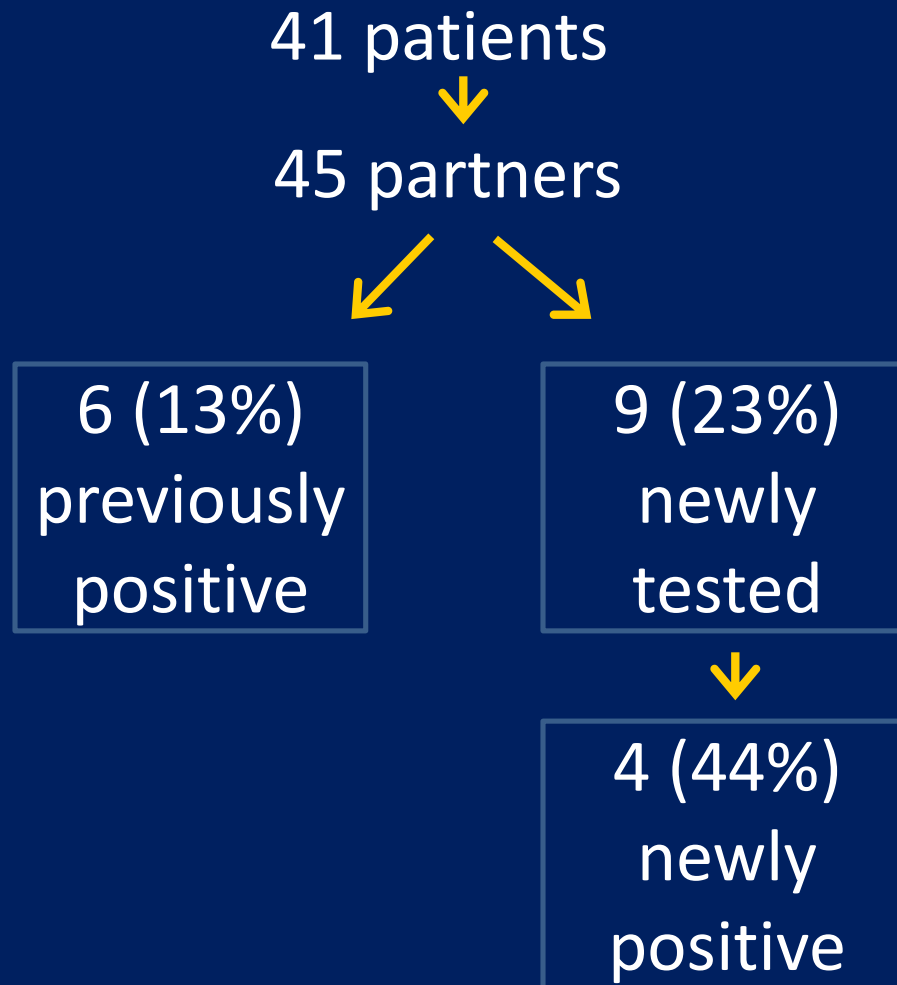


# HIV testing history



N=41

# Results: Sexual Partners



# Results Summary

- 34% of newly diagnosed African-born PLWHA reported a previous negative HIV test.
- 26% reported a previous negative HIV test in the U.S.
- A substantial proportion of partners were HIV-infected, and many were African-born themselves.

Thank you

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# Black African immigrants living in the U.S., 1980-2009

Number of immigrants in thousands

