


Center for Health Training seattle





**Trends in Chlamydia Positivity—
Asian and Native Hawaiian/
Other Pacific Islander Women
Age 15-24 in Region X IPP FP Clinics,
2000-2006**

**Wendy Nakatsukasa-Ono, MPH
David N. Fine, PhD
Center for Health Training**

Background

- 1977 – 1999: “Asian and Pacific Islander” as a racial category
- 2000 – present: “Native Hawaiian or Other Pacific Islander” as a new racial category, separate from Asian
- Region X Infertility Prevention Project (IPP) began collecting data reflecting these changes.

Objectives

- Describe the epidemiology of and risk factors for chlamydia (CT) among Asian and Native Hawaiian/Other Pacific Islander (HAPI) women age 15-24 screened in Region X IPP FP clinics from 2000 – 2006
- Identify potential implications for service delivery

Methods

Study population

- All Asian, HAPI and non-Hispanic (NH) White women age 15-24 screened from 2000 – 2006
- 428,562 CT test records

Asian	n=19,265	4.5%
HAPI	n=4,904	1.1%
NH White	n=404,393	94.4%
- 129 Region X IPP FP clinic sites
- WA State = 48%

Methods

Individual-level measures

- Demographics—age, race, ethnicity
- Reason for visit—routine, exposed to CT in last 60 days
- Self-reported behavioral risks in last 60 days—multiple sex partners, new sex partner, symptomatic sex partner,
- Other risks—condom use at last sex, positive CT in last 12 months
- Clinical findings—MPC, friable cervix, ectopy, PID
- Test type—NAAT vs. non-NAAT

Analysis

- Analyzed CT positivity among Asian and HAPI women
- Compared trends in factors affecting CT positivity between Asian, HAPI and NH White
- Used multivariate logistic regression to identify factors associated with CT, overall and within race/ethnicity

Characteristics

Characteristic	%
Age	
15-17	20.4%
18-19	26.4%
20-24	53.2%
Race/Ethnicity	
Asian	4.5%
HAPI	1.1%
NH White	94.4%
Reason for visit	
Routine visit	77.4%
Exposed to CT, last 60 days	1.4%

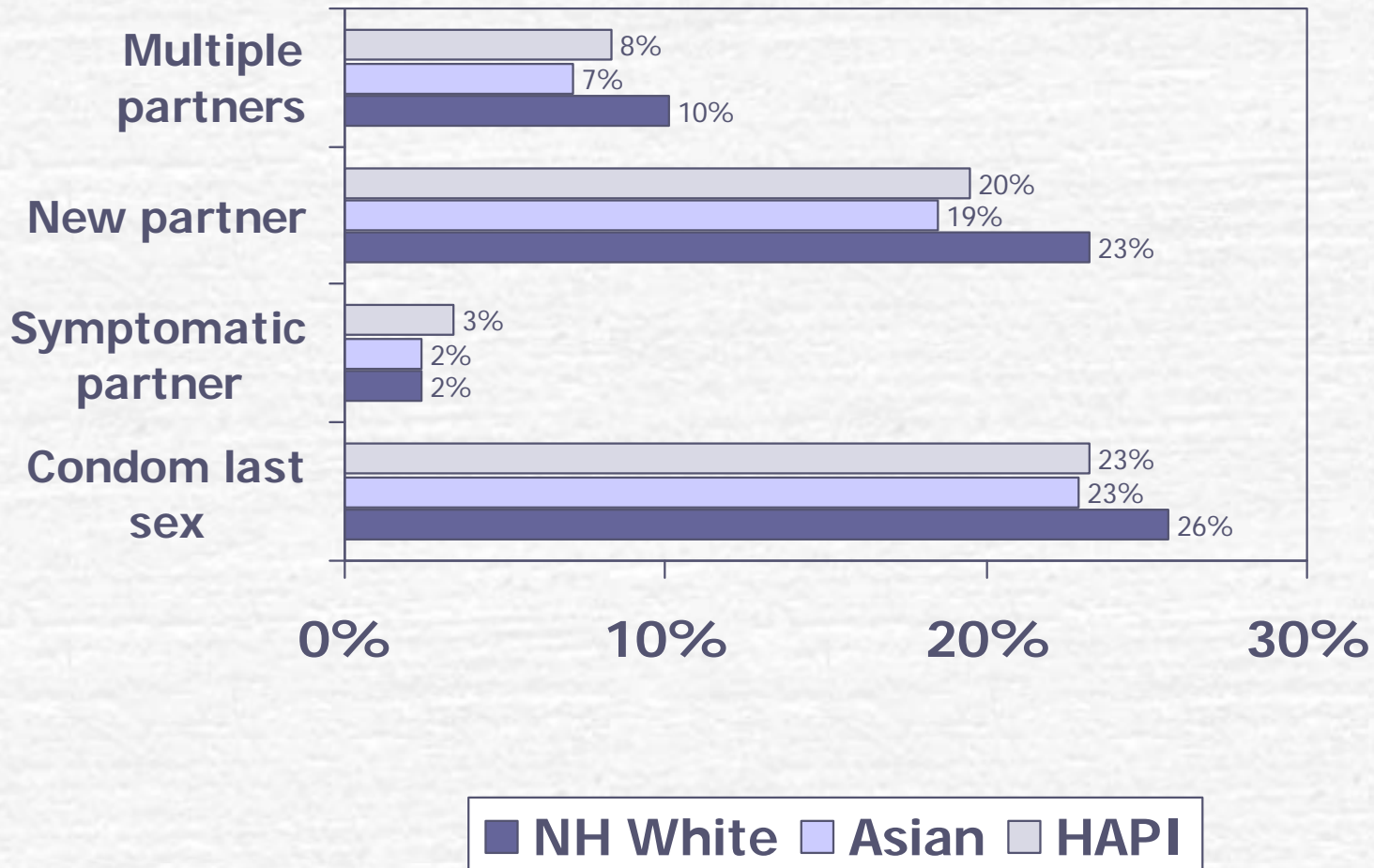
Characteristics

Characteristic	%
Behavioral risks, last 60 days	
Multiple sex partners	9.9%
New sex partner	23.0%
Symptomatic sex partner	2.4%
Condom use at last sex	25.6%
One or more behavioral risks	25.4%
Positive CT, last 12 months	3.9%
Clinical findings	
None	80.0%
One or more	5.4%
Data not available/no exam	14.6%

Race/Ethnicity and Individual-Level Factors

	Asian	HAPI	NH White
Age			
15-17	16%	19%	21%
18-19	26%	28%	26%
20-24	58%	52%	53%
One or more behavioral risks	21%	22%	26%
Positive CT, last 12 months	6%	7%	4%
One or more clinical findings	9%	10%	6%
NAAT	80%	80%	55%

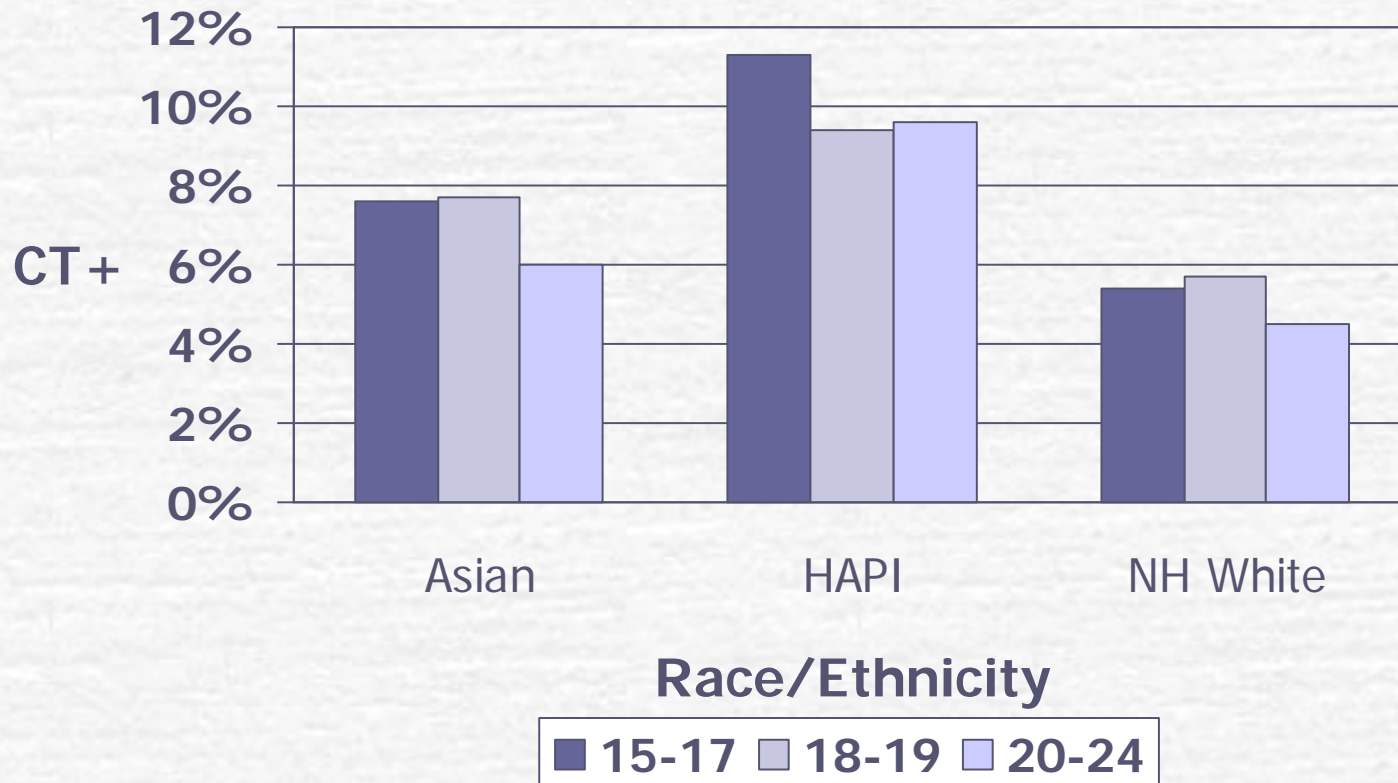
Race/Ethnicity and Selected Individual-Level Factors



CT Positivity by Race/Ethnicity (Unadjusted)

Asian	6.7%
HAPI	9.9%
NH White	5.0%

CT Positivity by Race/Ethnicity and Age



Multivariate Results

Characteristic	Asian	HAPI	NH White
Age			
15-17	1.25	--	1.24
18-19	1.24	--	1.28
20-24	Ref	--	Ref
Visit year	--	--	1.04
Rural vs. urban	--	--	0.88
Reason for visit			
Not routine visit	1.26	1.58	1.32
Exposed to CT, last 60 days	6.48	4.59	4.73

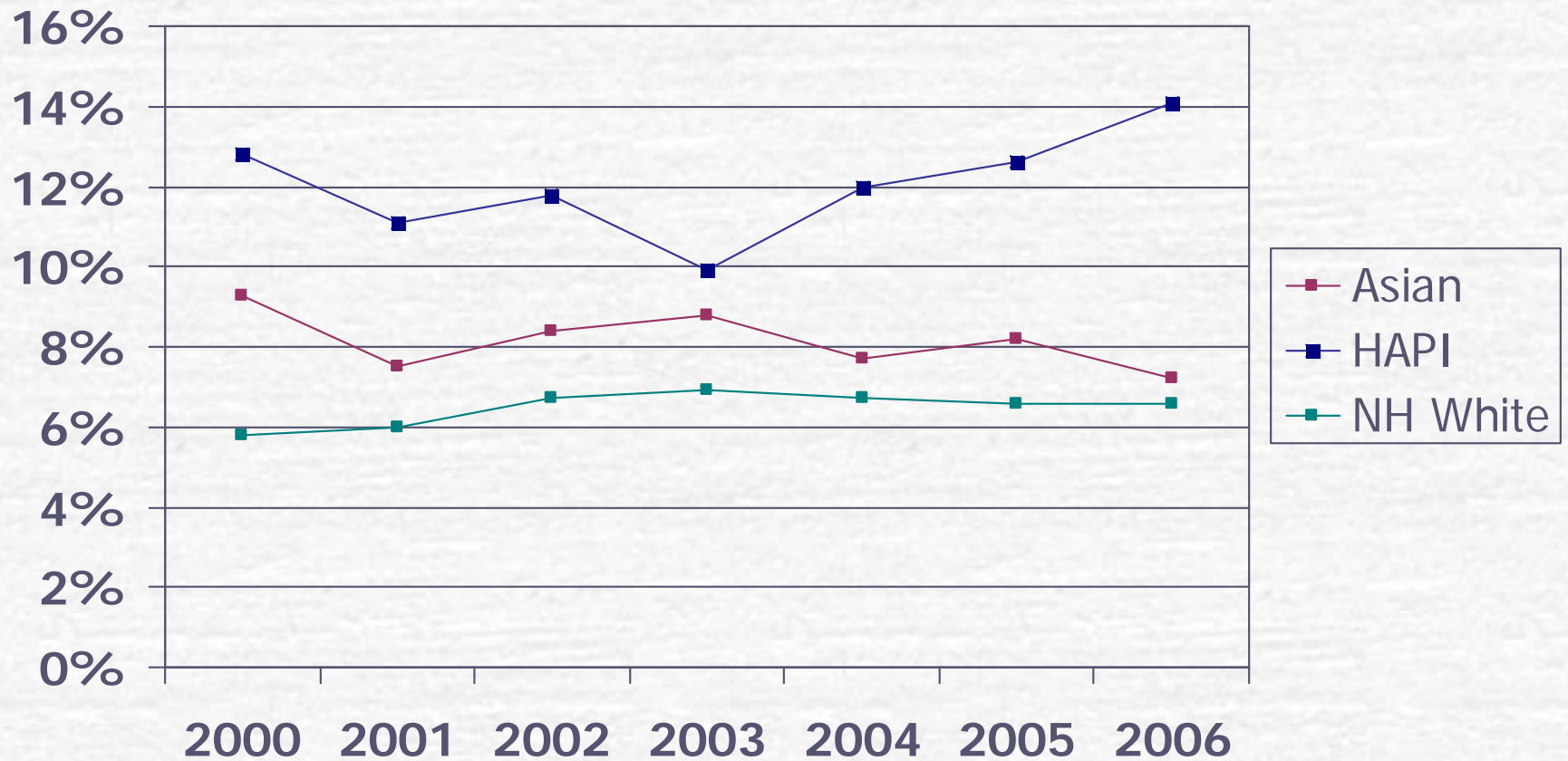
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Multivariate Results

Characteristic	Asian	HAPI	NH White
One or more behavioral risks	2.00	1.59	1.86
No condom use at last sex	1.18	--	1.18
Positive CT, last 12 months	1.76	--	1.73
One or more clinical findings	4.14	3.62	3.05
NAAT	--	--	1.18

“--” = did not enter stepwise equation

Trends in Adjusted CT Positivity



*CT positivity adjusted by test type

Conclusions

- Asian and HAPI women in Region X IPP FP clinics had consistently higher levels of CT than NH White women.
- There were significant CT differences between Asian and HAPI women.

Implications

- Supports collection of data using Census 2000 racial/ethnic categories
- Highlights the importance of exploring racial/ethnic disparities in CT and disaggregating data
- Supports need for better assessment of individual- and community-level factors affecting CT positivity among Asian and HAPI women

Implications

- Supports need for better assessment of factors affecting CT positivity among HAPI women, 2003 – 2006
- Supports current interest in the role of sexual network dynamics



Center for Health Training

1809 Seventh Avenue, Suite 400
Seattle, WA 98101-1313

206/447-9538 *tel*

206/447-9539 *fax*

<http://www.centerforhealthtraining.org>

Wendy Nakatsukasa-Ono, MPH
Program and Research Manager
wono@jba-cht.com