

# Presenter Disclosure Mandy Roberts, DrPH, MPH The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months: "No relationships to disclose"

### Overview

Public Health Significance of Gonorrhea Presentation of Cases and Places Study An analysis of three theories as they relate to risky sexual behavior among AA adults

- Theory of Gender and Power
- · Situational/Environmental Variables Theory
- · Sexual Script Theory

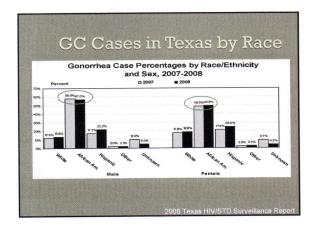
# Public health significance

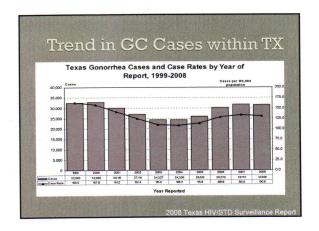
- GC is the second most common STI in TX
  GC cases in TX were 31,761 in 2007 and
  31,569 in 2008 with rates in epidemic
- 31,569 in 2008, with rates in epidemic proportions

   53% of GC cases in TX are among AAs

and 23.7% are among Hispanics.

Zhang etal. 1997, Martino, J etal. 2002, Martino, J etal. 1999, Merchant, J. etal. 1999; 2007 & 2008 Texas HIV/STD Surveillance Report





### Behavior

- Risky sexual behaviorIllicit drug use
- Open sexual relationships (lack of monogomy)

places where risky behaviors are normative

Combination of setting and environment

### Cases and Places Study

Purpose of study: To assess behavioral, environmental, and situational determinants for GC transmission among high-risk and low-risk populations.

Recruited 215 Houston residents • 159 women and 66 men

- 4 recruitment sites

Study Design: behavioral surveillance questionnaire

## Methodology

119 questions administered

Sampling Frame 1: Female patients (N=57) attending 2 clinics with positive GC results

Medical Center Clinic and West End Clinic

Sampling Frame 2: Male (N=66) and Female (N = 92) attendees at 2 participating club/bars

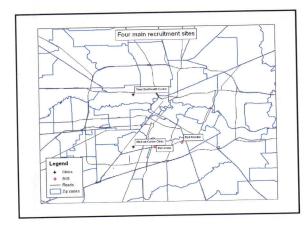
- Reminisce and Red Rooster Had option to received free urine screening

All study subjects gave informed consent Study approved by UT's IRB and CDC's IRB

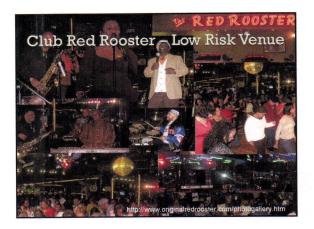
### Outcome variables

Risk index -defined as safe or unsafe sex

- Safe sex used a condom always







An analysis of three theories as they relate to risky sexual behavior among AA adults

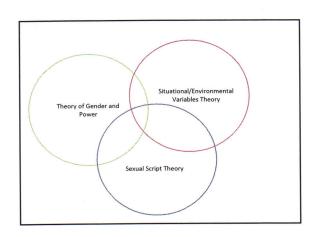
### Theoretical Perspective

Theory of Gender and Power

Situational/Environmental Variables Theory

Premise: A look at each theory and relevant

- Not a test of theories against on another
  Constructs of the theory overlap
  Variables in questionnaire often apply to more than one
  theory



## Theory of Gender and Power

Dr. Gina Wingood's perspective:

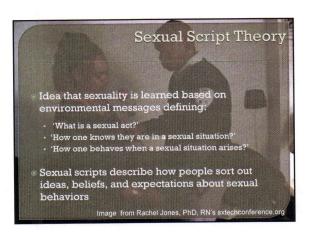
- Social cathexis emotional and sexual attachments women have with men
- Sexual division of power disempowerment of women by the media via sexual degradation

Premise: Gender and power imbalances in male-female relationships contribute to risky sexual behavior for women

# Situational Variables/ Environmental Theory elements impacting sexual decisions: · The basis in which a situation is perceived · The emotion in the situation · The normative way an individual deals with the situation

An individual's skills in dealing with issues presented in the situation

image from Rachel Jones, PhD, RN's sxtechconference.org



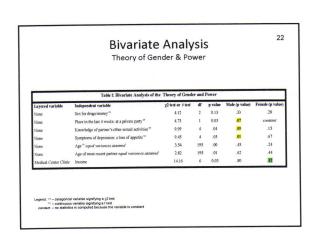
### Results

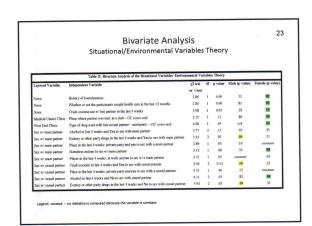
Frequency analysis on demographic variables

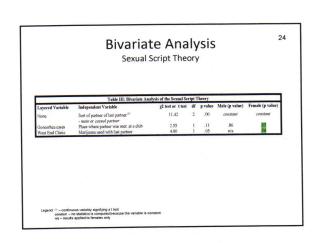
Bivariate analysis on independent variables related to dependent variables at p<.15 (the level recommended by Hosmer and Lemshow), then stratified by gender

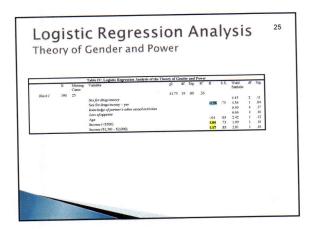
Logistic regression analysis on independent variables meeting p< 15 in bivariate analysis; models were analyzed by theory

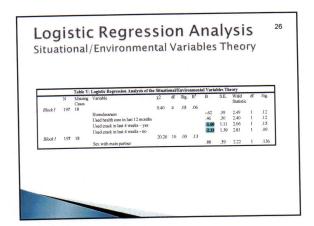
Variable	Categories of Variable	Frequency (N)	Percer (%)
Gender	Female Male	215 149 66	69 3
Age		215	
	18-19	12	5.6
	20-25	56	26.0
	26-30	25	11.6
	31 and older	122	5672
Race		215 210	97.7
	African American	210	0.5
	Hispanic or Latino	3	1.4
	White	3	0.5
Education Completed	CHINA	215	0.5
	Elementary School	1	.5
	Junior high	31	14.4
	High school or	156	72.6
	GED	27	12.6
	College	215	12.6
Income (monthly)	24.00	23	10.7
	None	23 55	25.6
	Less than \$500	47	21.9
	\$501 - \$1,000	32	14.9
	\$1,001 - \$1,500 \$1,501 - \$2,000	21	9.8
	\$2,001 - \$2,000	14	6.5
	\$2,001 - \$2,000	8	3.7
	\$3,001 and over	14	6.5
Recruitment sites	The same of the	215	
Recruitment sires	Medical Center	27	12.56
	Clinic		
	Male cases	0	0
	Female cases	27	100.0
	West End Health	30	13.95
	Center		
	Male cases	30	100.0
	Female cases	80	37.21
	Red Rooster	36	45.0
	Male places	44	55.0
	Female places Reminisce	78	36.25
	Male places	30	38.46
	Female places	48	61.5

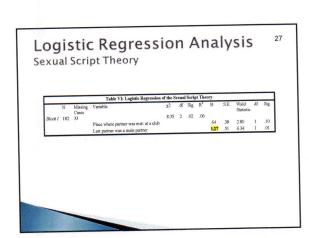


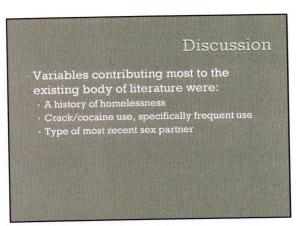












# A history of homelessness A link may exist between a history of homelessness and polygamous sexual relationships, especially among women Theory of Gender and Power disempowerment of women due to homelessness limits control of sexual decisions for the sake of survival Situational/Environmental Variables Theory homelessness coincides with a risky sexual lifestyle where daily survival takes precedence over healthy sexual choices.

# Crack/cocaine use A correlation between crack/cocaine use, especially frequent use, and unsafe sex was identified. Situational/Environmental Variables Theory Intoxications with crack/cocaine compromises an individual's innate perceptions and obscures their relative norms, thereby broadening the window of opportunity for unsafe sexual behavior.

Spouse/regular partner – safe sex
Casual partner – unsafe sex
Trade sex for drugs/money – unsafe sex
Theory of Gender and Power

men abuse authority and assert control in casual sex relationships, disempowering women's decision making abilities; thereby, enabling unsafe sex
Situational/Environmental Variables Theory
Trading sex for drugs may limit preparation of sex, inadvertently increasing likelihood of unsafe sex.
Sexual Script Theory
sexual scripts for types of sex partners vary, increasing or decreasing likelihood of unsafe sex

### Limitations

The 'cases' did not achieve the desired

- sample size

  Decreasing power and generalizability of findings
- Some of the significant findings represent a very small % of the population
- Self-reported data has an inherent bias

### Conclusions

All 3 theories are possibly insufficient within themselves to modify sexual behavior, but the combined effect may provide a broader, more holistic way of analyzing factors contributing to unsafe

These 3 theories should be considered in the creation of interventions geared toward reducing risky sexual behaviors among AAs

THANK YOU!!!