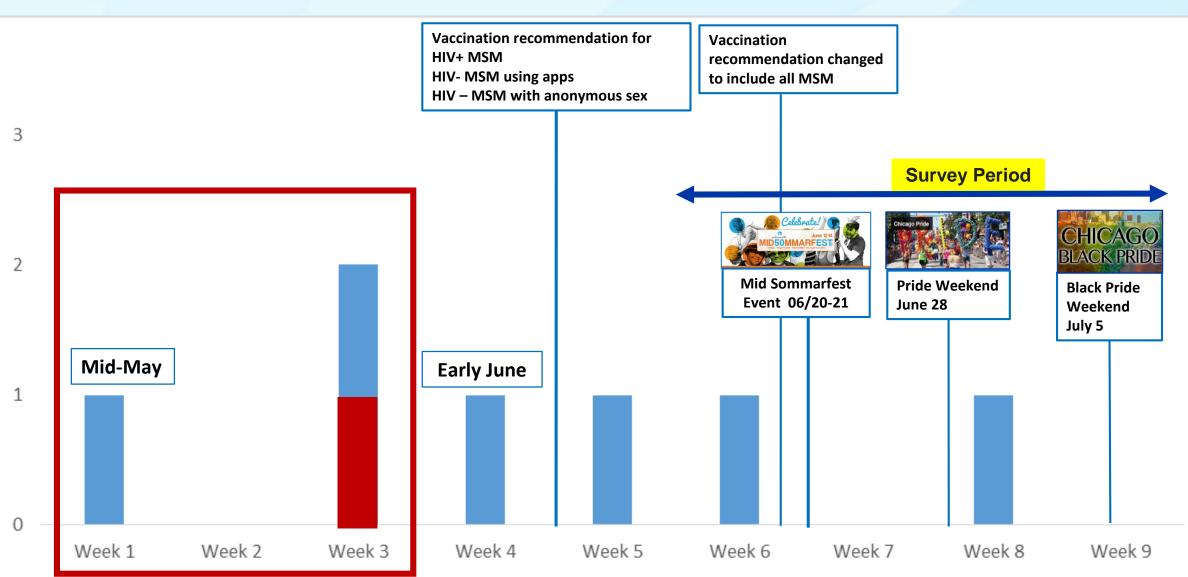
Chicago Meningococcal Outbreak Survey Results

Temi Folaranmi MBChB MPH MPP

EIS Officer, MVPD Branch National Center for Immunization and Respiratory Diseases Centers for Disease Control and Prevention (CDC)



Epi-Curve/ Events timeline

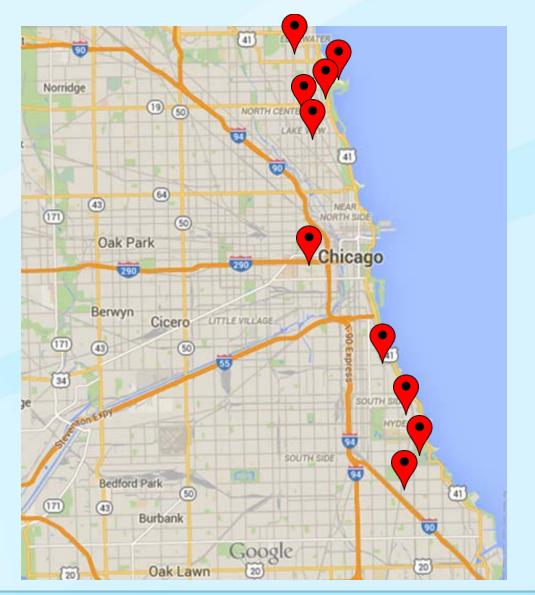


Survey Administration

- Objectives
 - To know the population demographics of those taking the vaccine
 - Assess the appropriate communications platform to reach the AA MSM community
 - Assess invasive meningococcal disease risk factor prevalence in the population
- Designed with technical inputs from CDC's STD and MVPD Branch and CDPH
- Piloted in a MSM focused clinic and revised after feedback
- Surveys were administered in clinics, events and during night outreaches in bars and clubs
- 1276 surveys administered. 1162 surveys included in the analysis

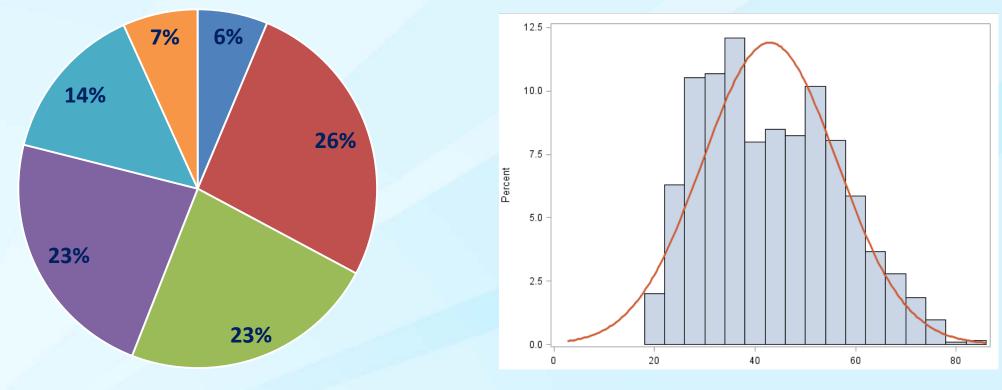
Survey Sites

- Events (N=916):
 - Center on Halstead (Pride Fest)
 - MidSommarfest
 - Pride at Montrose Park
 - Events organized by South Side Help Center
- Clinics(N=189):
 - Howard Brown Health Center
 - CORE Center
 - Northwestern Lakeview Clinic
 - Komed Health Center
- Other Venues(N=57):
 - Jackson Park
 - Club Escape



Results: Demographics

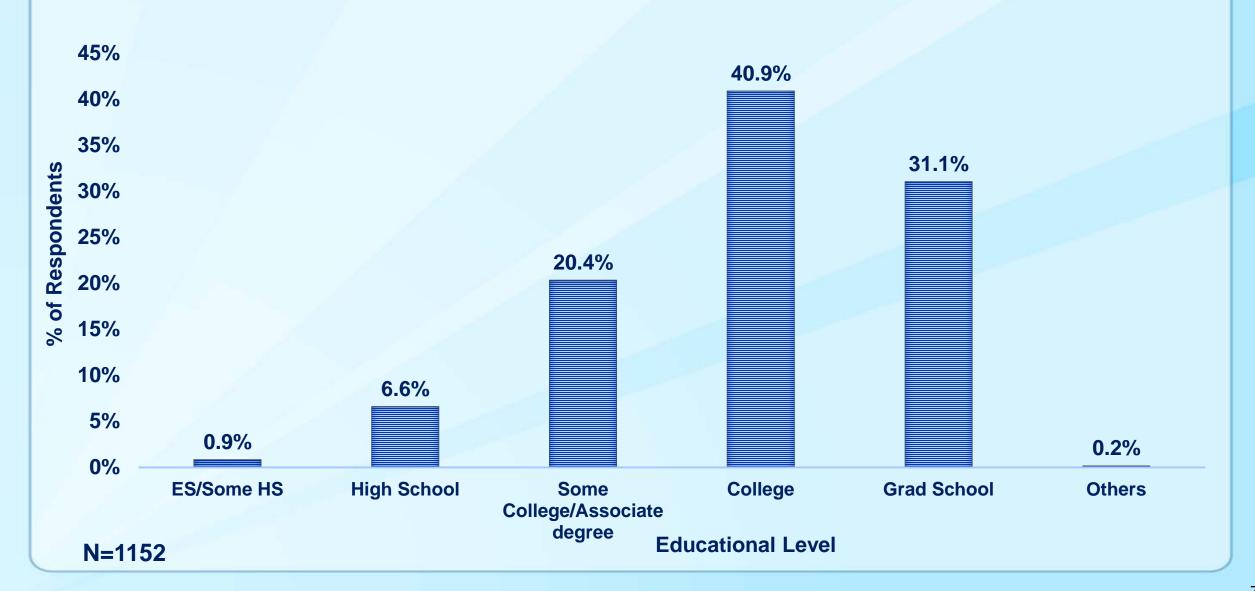
Demographics: Age distribution



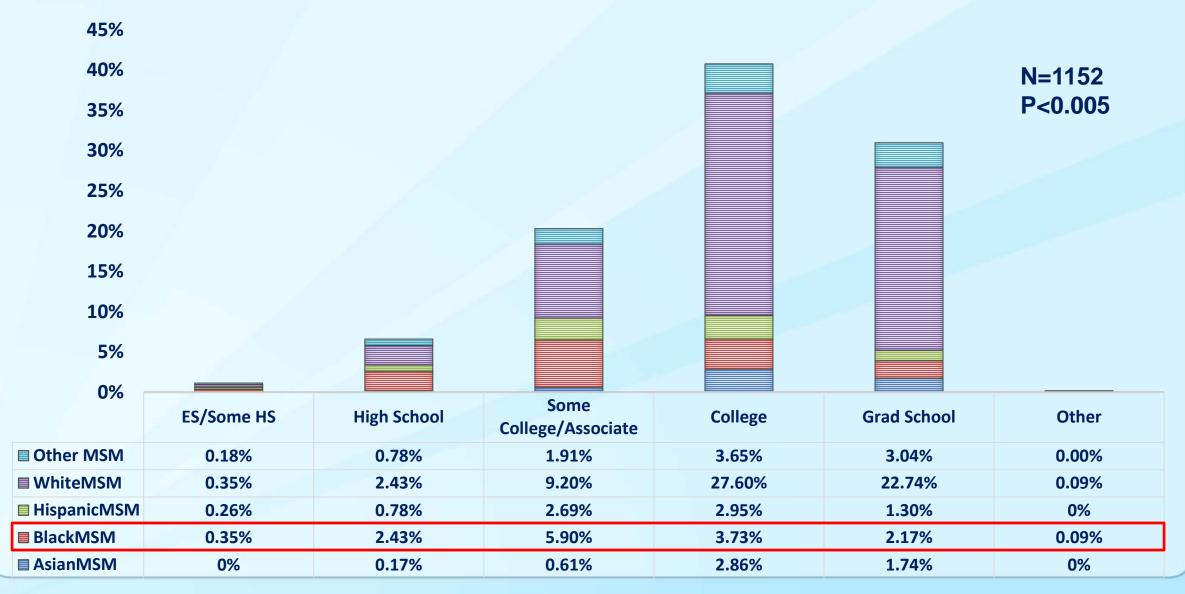
■ 18-24yrs ■ 25-34yrs ■ 35-44yrs ■ 45-54yrs ■ 55-64yrs ■ ≥ 65yrs

Ν	Mean	Median	Minimum	Maximum	Std Dev
1141	42.92	42	19	85	13.41

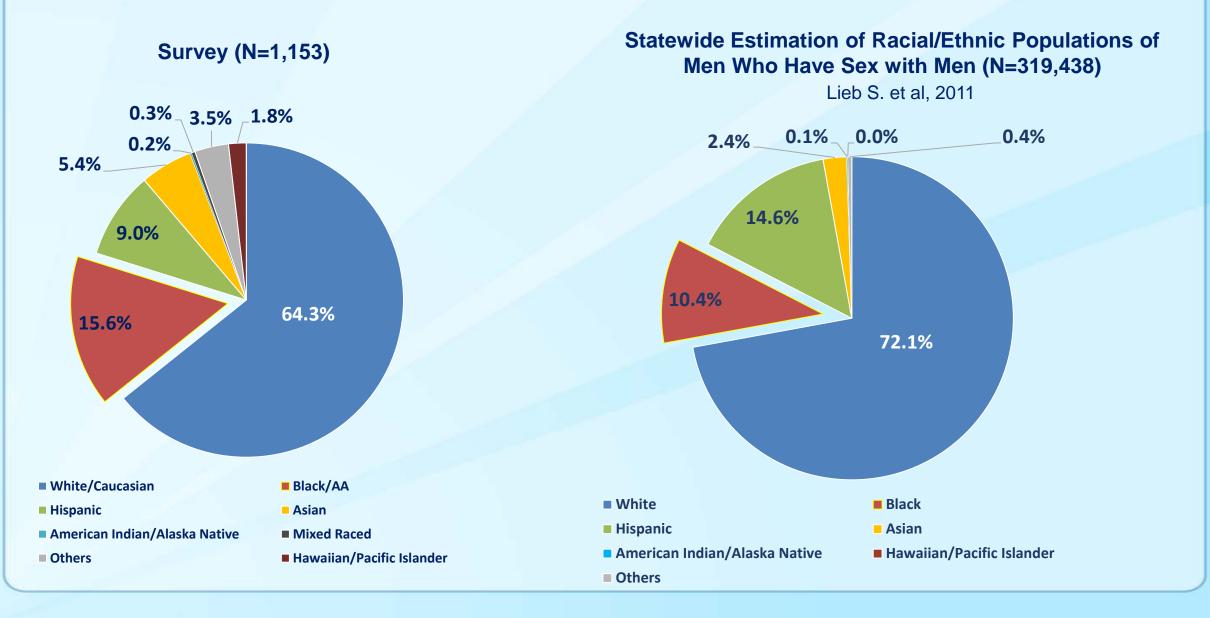
Demographics: Educational Level



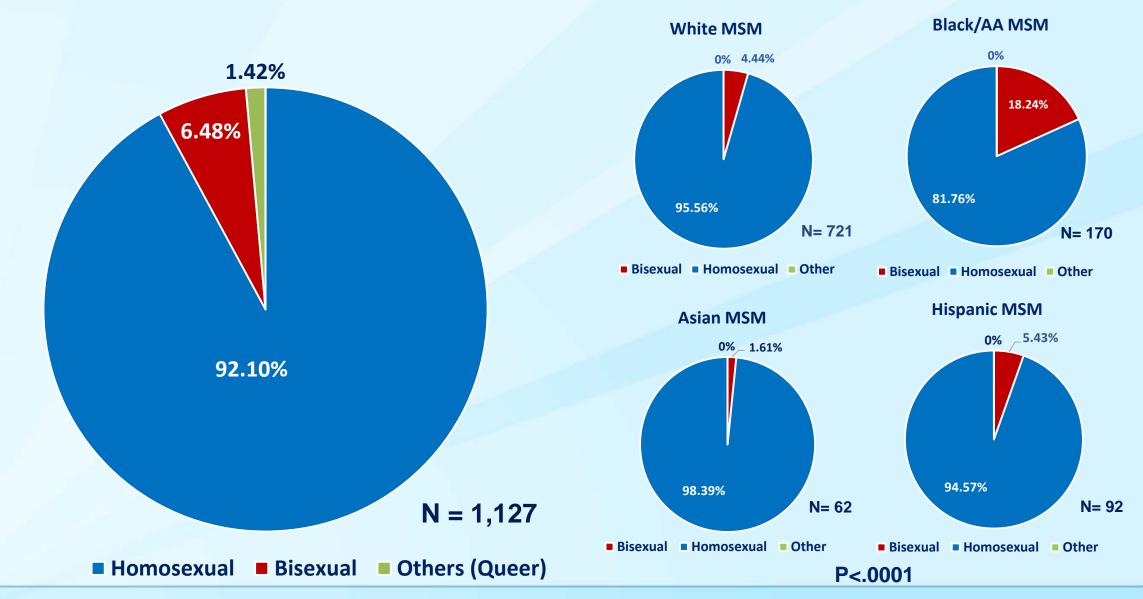
Educational level by Race/Ethnicity



Demographics: Race/Ethnicity

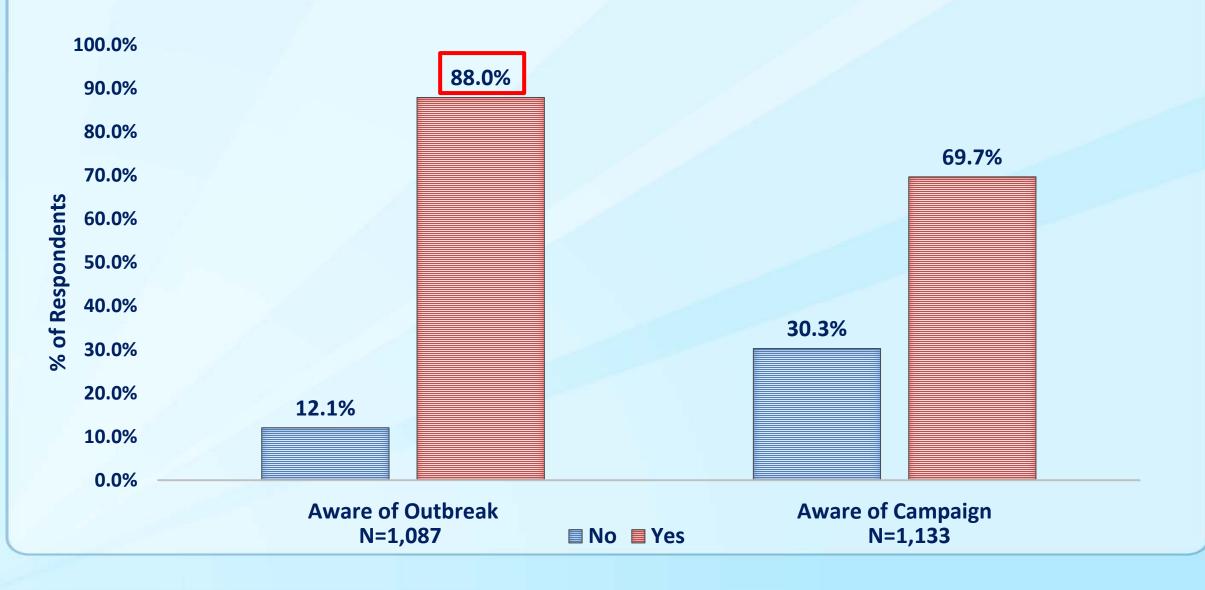


Demographics: Sexual Orientation

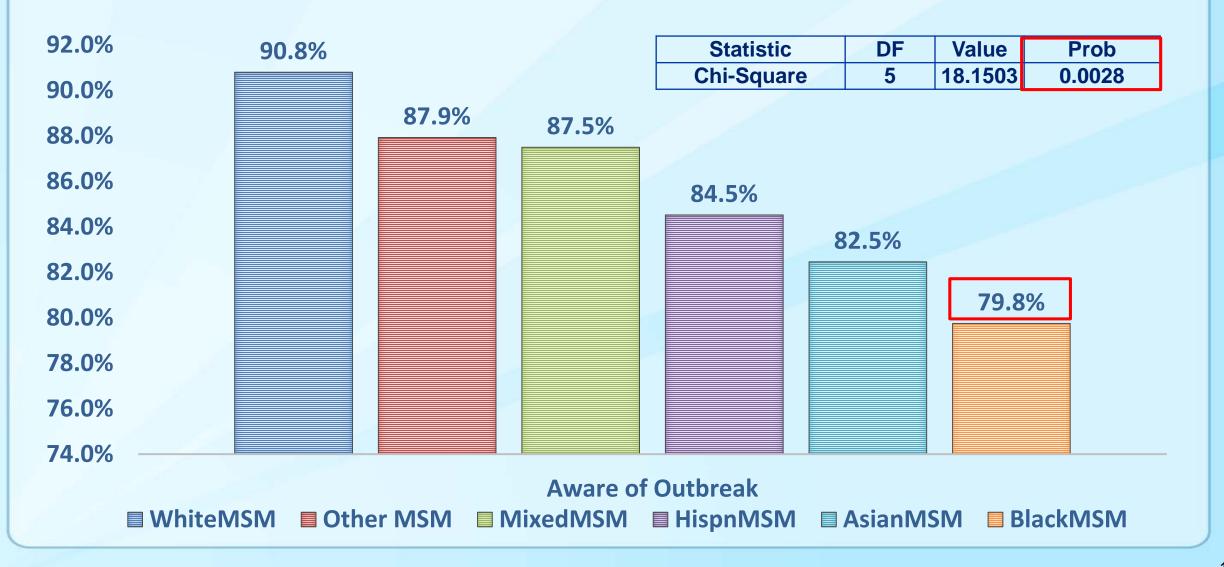


Knowledge, Attitudes and Behaviour

Awareness of Outbreak/Vaccine Campaign

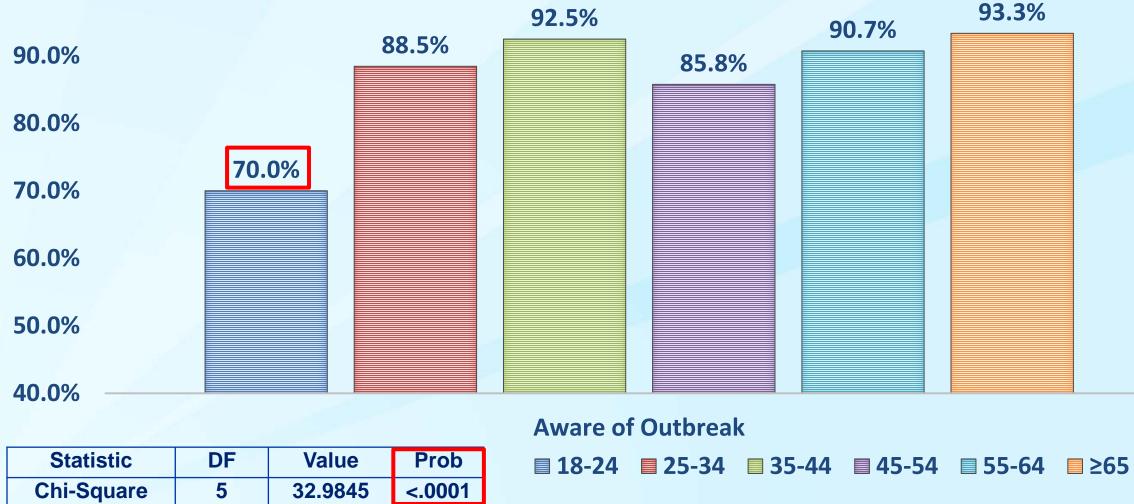


Awareness of Outbreak by Race



Awareness of Outbreak by Age group

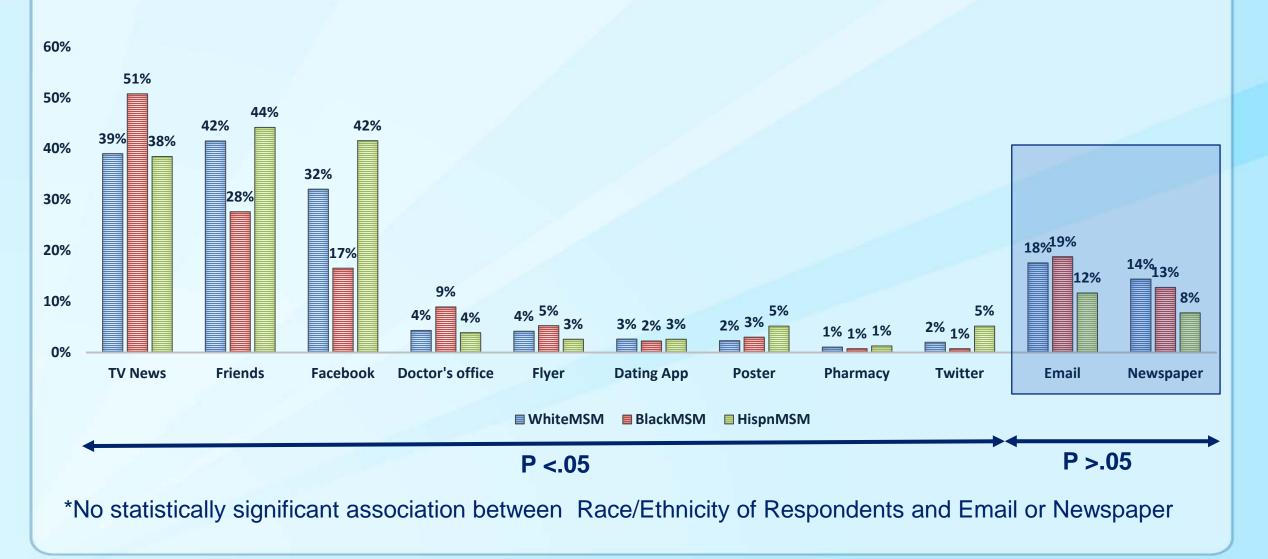
100.0%



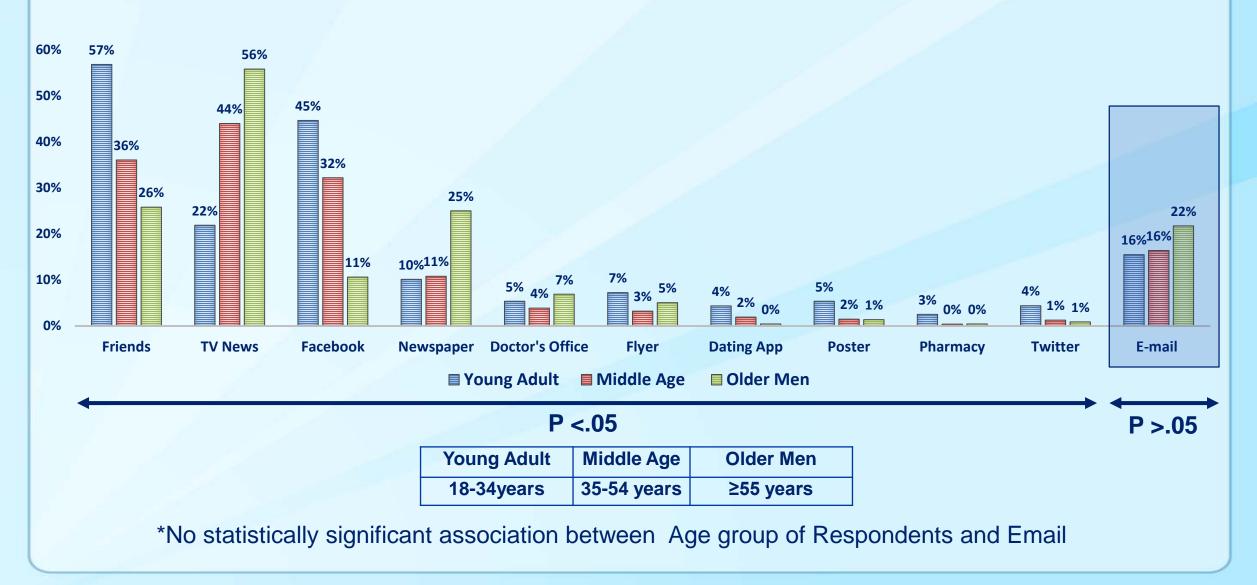
Sources of Information about Outbreak (All respondents)

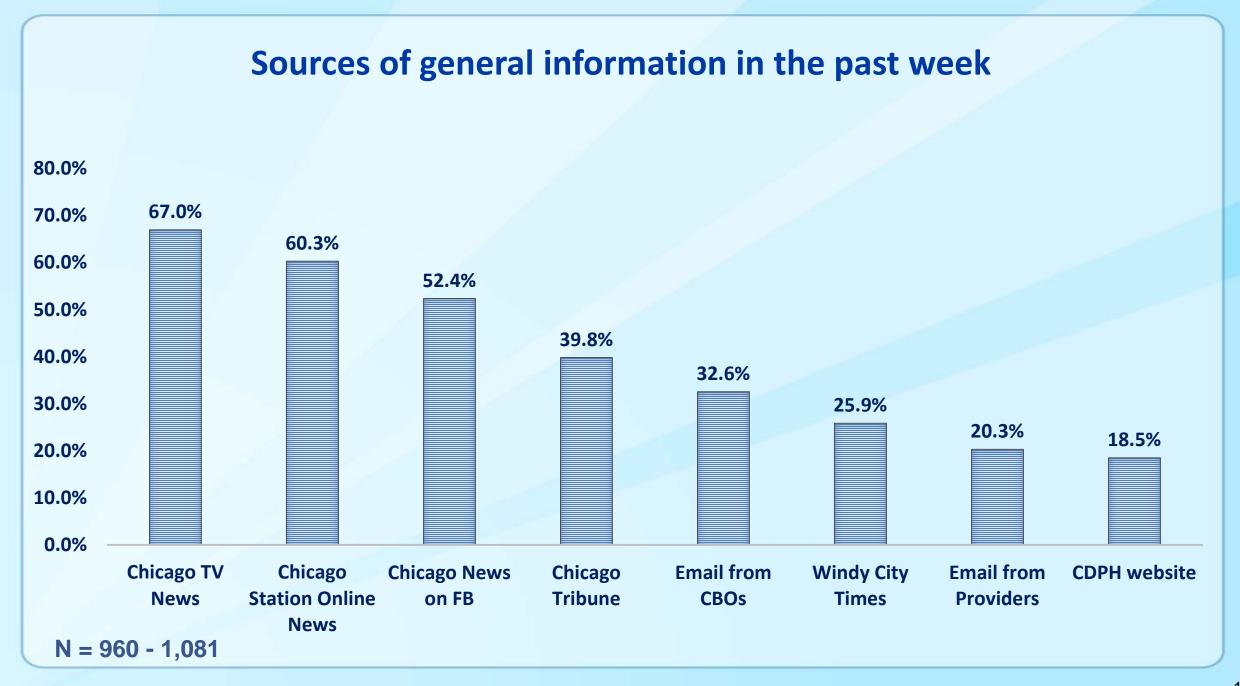


Sources of Information about Outbreak by Race/Ethnicity

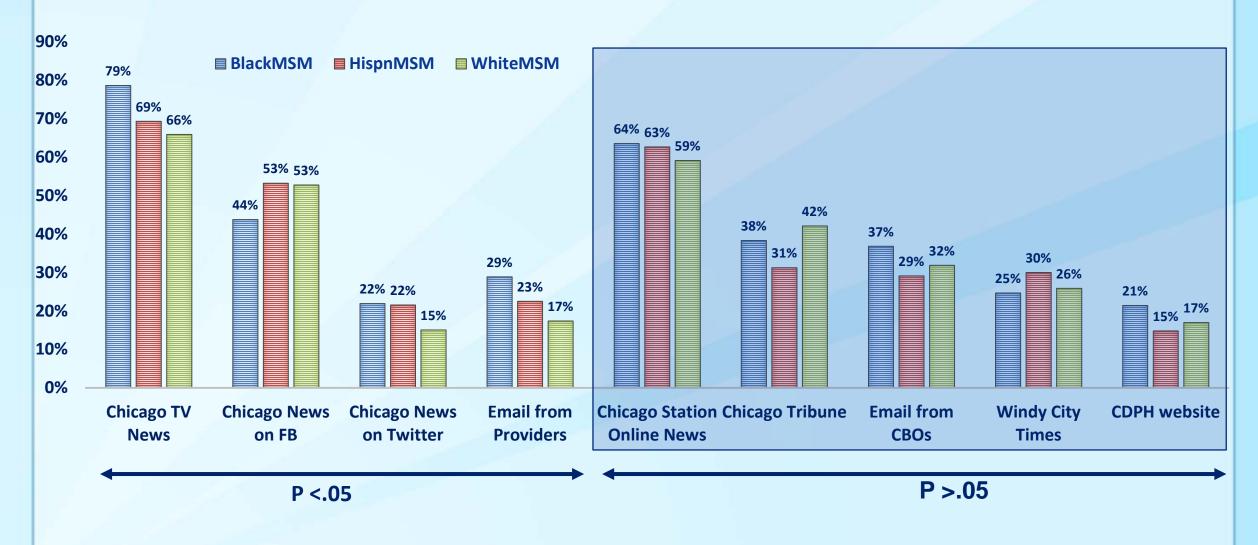


Sources of Information about Outbreak by Age group

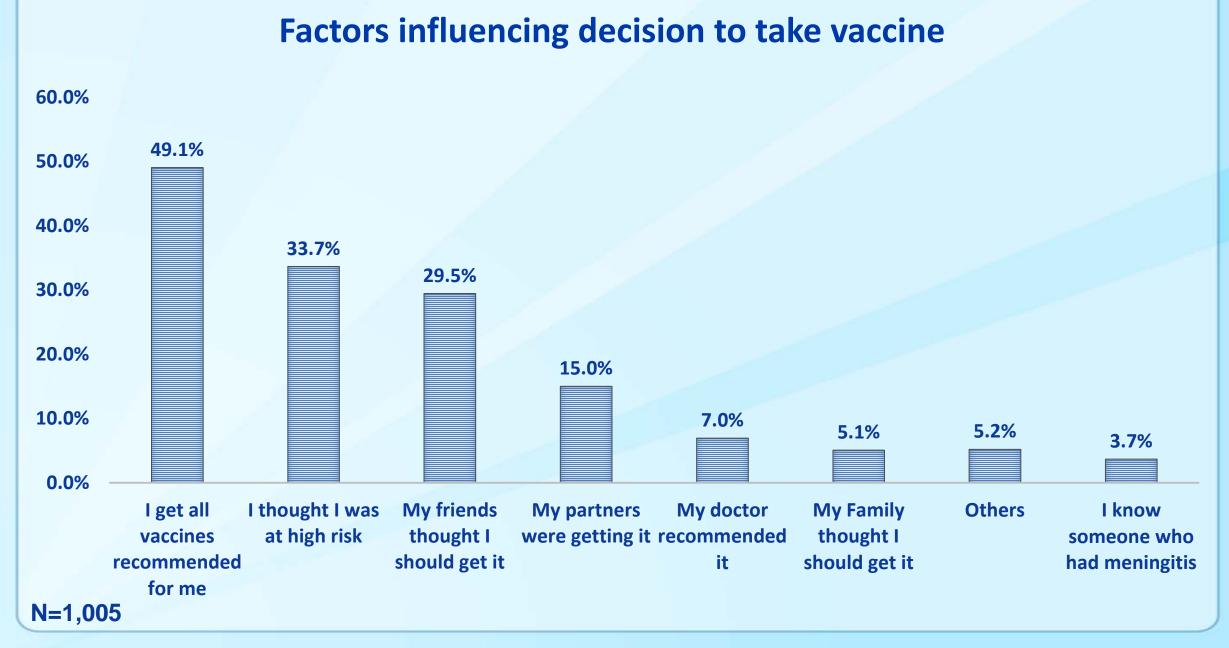




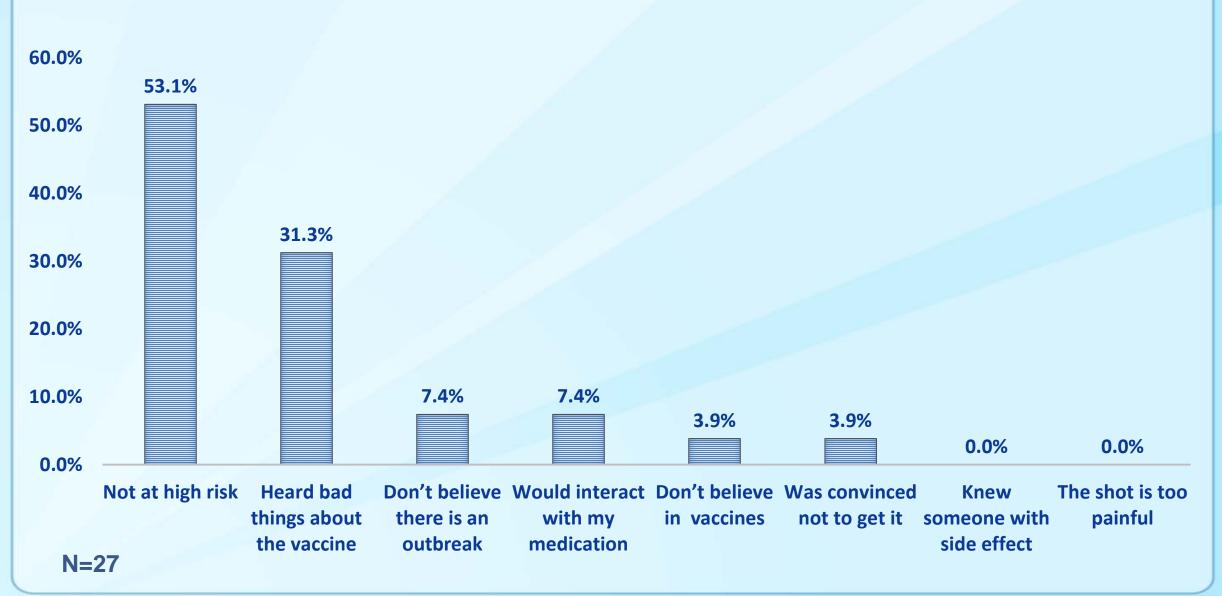
Sources of general information in the past week



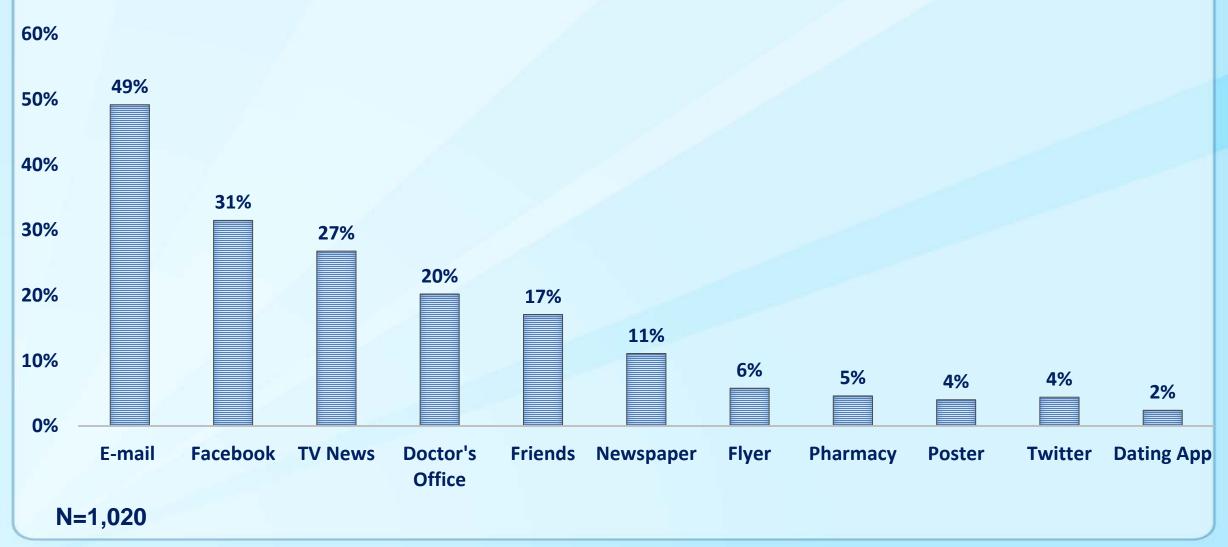
* Statistically significant association between Race/Ethnicity and TV, Facebook, Twitter, Health Provider Email.



Factors influencing decision not to take vaccine

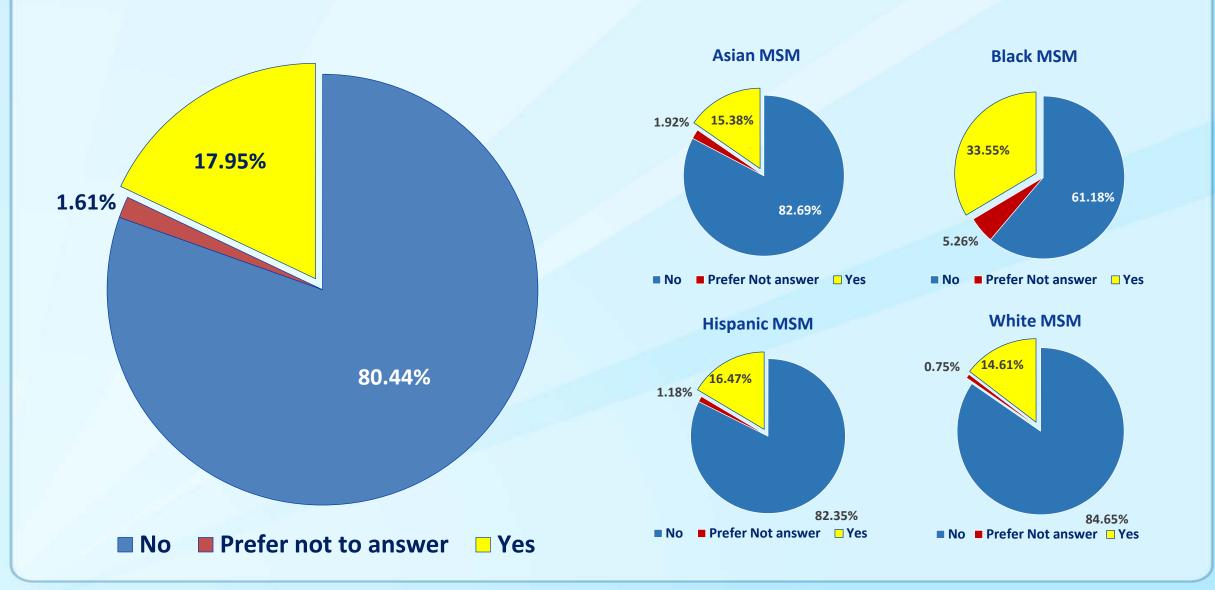


Preferred Method of Learning about Future Campaign

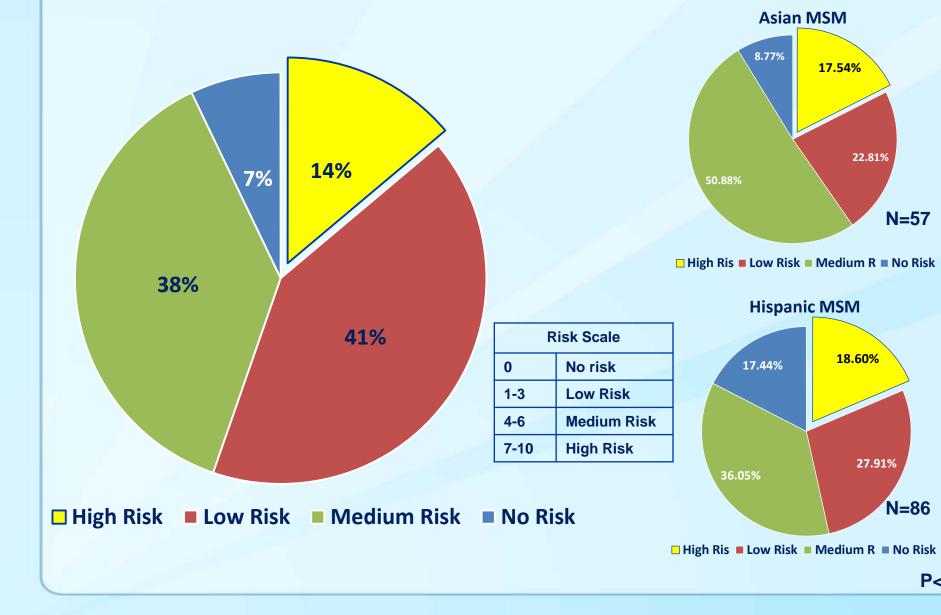


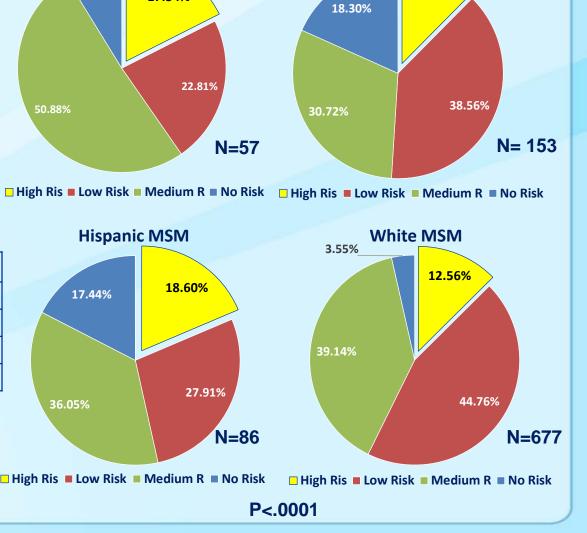
Risk of Invasive Meningococcal Disease

HIV Status Prevalence (Self reported)



Self-perceived of Risk of Meningococcal Disease

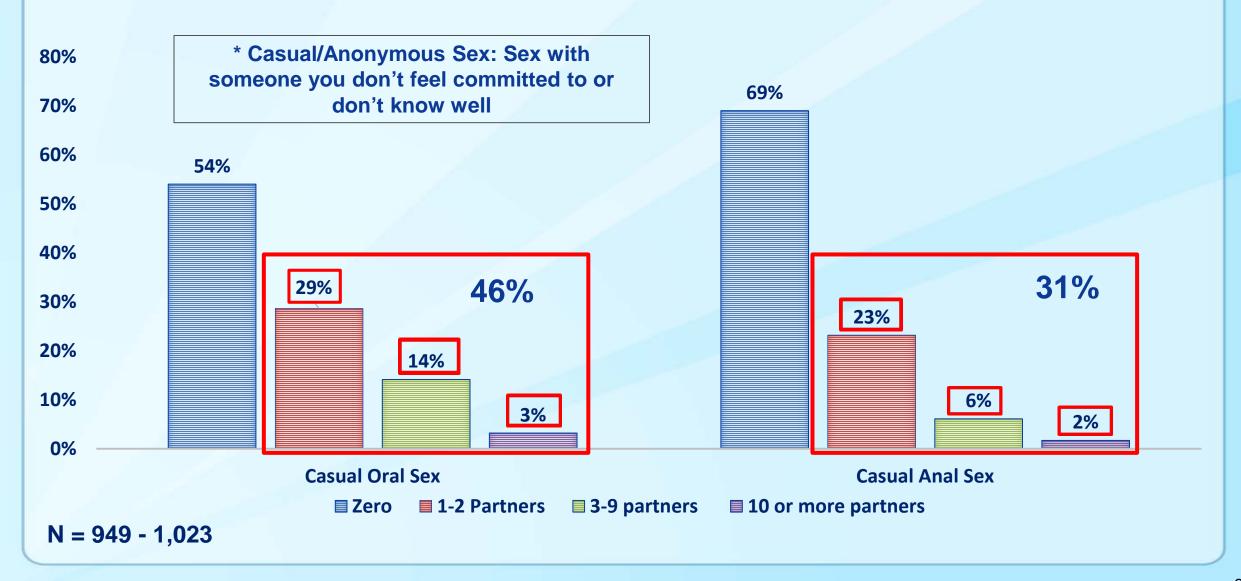




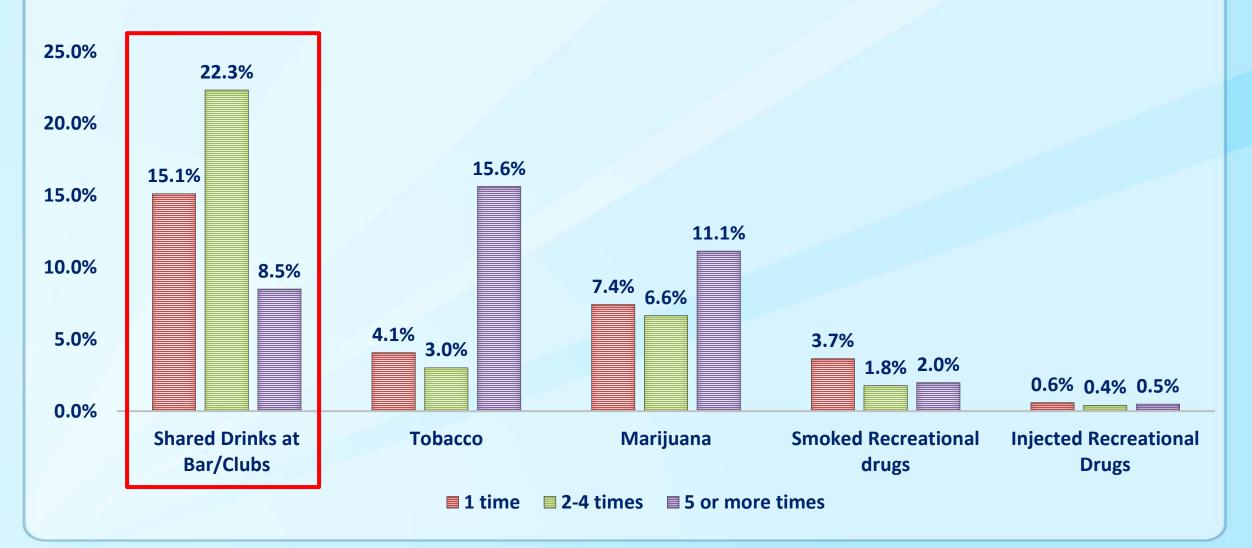
Black MSM

12.42%

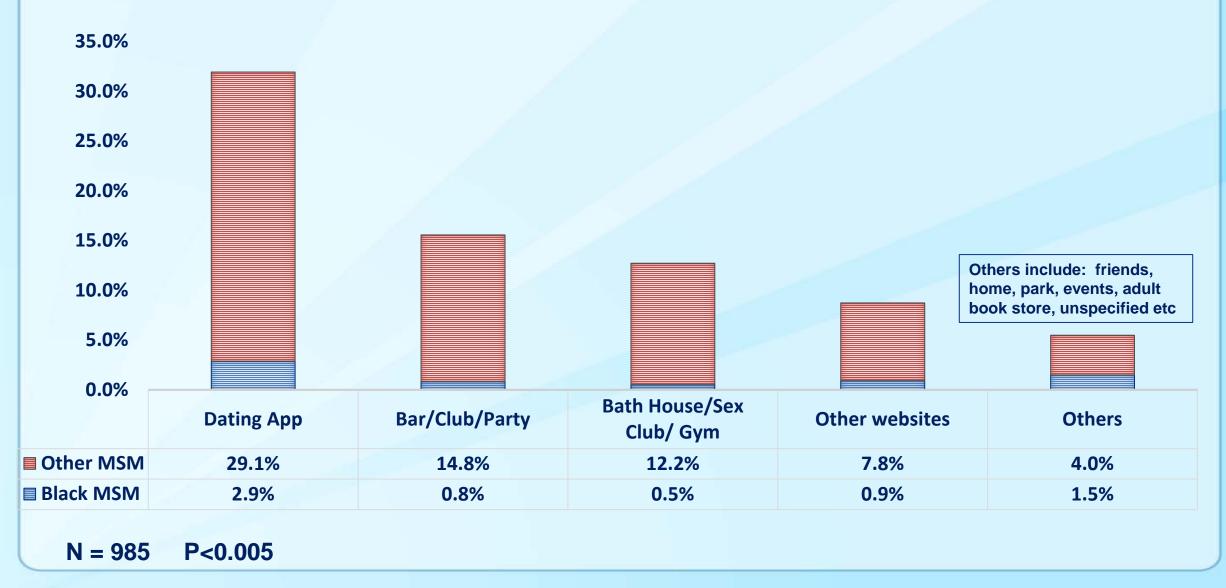
Risk Factor Prevalence: Oral/ Anal Sex in the past 30 days



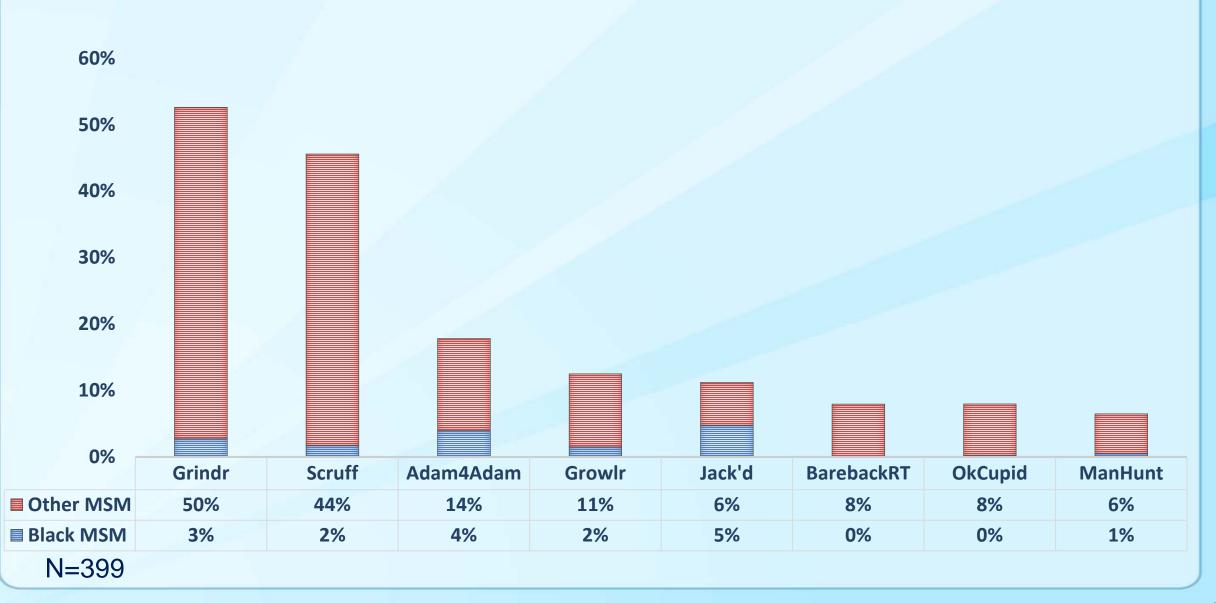
Risk Factor Prevalence among Respondents (in the past 30 days)



Venues where respondents solicit partners in the past 30 days (by Race)



Commonly used Dating App/Website



Summary 1

- Mean age was 42.9 years comparable to mean age of cases 38.1 years
- Racial distribution of respondents similar to racial distribution of MSM in Illinois
 - Not comparable to racial distribution of outbreak cases 85% are AA MSM
- Majority of respondents have at least a college education
- Respondents are more aware of the outbreak than the campaign
 - AA MSM and Age group 18-24 years were the least aware of the outbreak.
- Most common sources of information about the outbreak were TV news, Friends and Facebook
 - Predominant source of information about the outbreak for AA MSM is TV news
- Commonly accessed general sources of information were Chicago local TV news, Online News and Facebook
- Preferred method of learning about future campaigns were E-mail, Facebook, TV news and Doctor's Office

Summary 2

- HIV prevalence comparable to existing HIV prevalence data within the MSM population
- Only 14% of respondents considered themselves as having high risk of getting meningococcal disease infection
- 46% and 31% of respondents had casual oral sex and anal sex with least one partner respectively in the past 30 days before the survey
- 45.9% of respondents shared at least a drink at a bar/club in the past 30 days before the survey
 - Other risk factors are apparently low
- Dating app is the most commonly use platform for soliciting partners
 - Grindr and Scruff are the commonly used Apps
 - Jack'd is most popular app among MSM

Recommendations

- More efforts needed to increase awareness within AA MSM population.
- Targeted campaigns for age group 18-24 years.
 - Tend to practice more high risk behaviors
- Preferred method of learning about future campaigns were E-mail, Facebook, TV news and Doctor's Office
 - Communications through healthcare provider should be intensified
 - CBOs should intensify campaigns through their Facebook group and Email Listserve
- Low risk perception within the community
 - Effective risk communication through all campaign platforms identified above

Acknowledgement

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- CDPH Communicable Disease Staff

COMMUNITY PARTNERS

- Howard Brown Health Center
- CORE center
- Southside Help Center
- Center on Halstead
- Northwestern Lakeview Clinic
- Komed Health Center
- COIP-University of Chicago
- And many others

Thank you