

# Follow-Up Survey: HIV and Aids Prevention Belize, 2016















# **Combination Prevention Program**

PASMO and its partner NGOs implement the Combination Prevention program with funds from the US Agency for International Development (USAID). This program includes three components:

- Activities for behavior change.
- References to perform HIV or sexual transmitted infections (STI) testing.
- 3. References to complimentary services (e.g., self-support workshops, combat stigma and discrimination, alcoholics anonymous, gender violence counseling).



# **Background**

- In 2015-2016, the Combination Prevention Program conducted another round of the TRaC surveys in Central America.
- Follow up to the ones held in 2007, 2009, and 2012.
- Populations surveyed: female sex workers (FSW), men who have sex with men (MSM), men at risk (MR), and people living with HIV (PLH).
- Main issues explored: risk behaviors, determinants of condom use and HIV testing, violence, and attribution to the program.



# **Objectives**

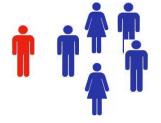
#### Monitoring:

Variables and risk behaviors over time.



#### **Segmentation:**

Determine the factors that are associated with healthy behaviors.



#### **Evaluation:**

Determine the effectivity of the Combination Prevention Program.







# Female Sex Workers (FSW)



# **General Information**

Population: Female Sex Workers (TSF)

18 – 49 years of age

Type of sampling: Proportional to population size

Sample: 297

Belize, Cayo, Orange Walk, Corozal and Stann Creek

Type of analysis: - Univariate analysis / SPSS

- Logistic regression / SPSS

Coarsened Exact Matching / STATA

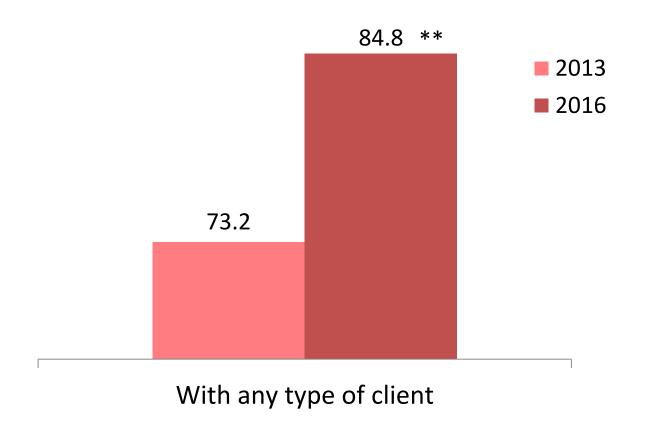




# **MONITORING ANALYSIS: TRENDS IN BEHAVIOR**

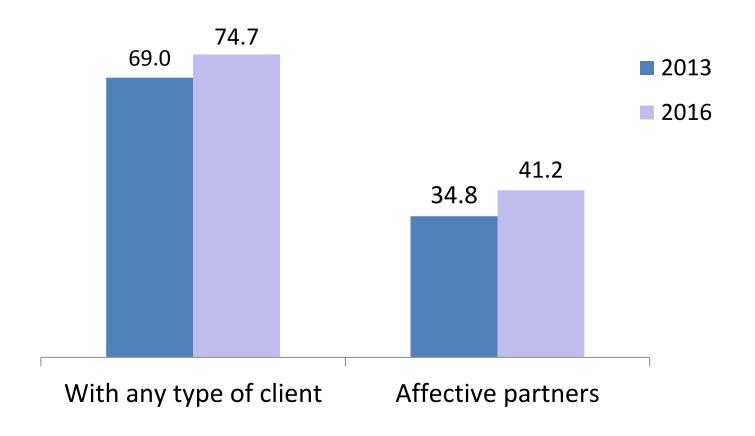


# Condom use in last sexual intercourse (%)



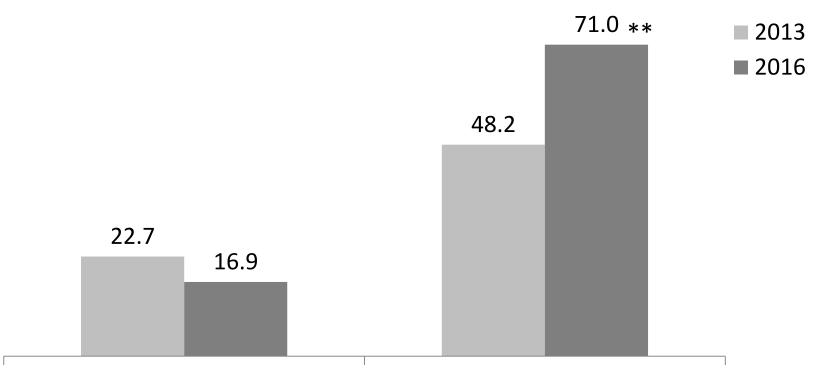


# Consistent condom use in the last 30 days (%)





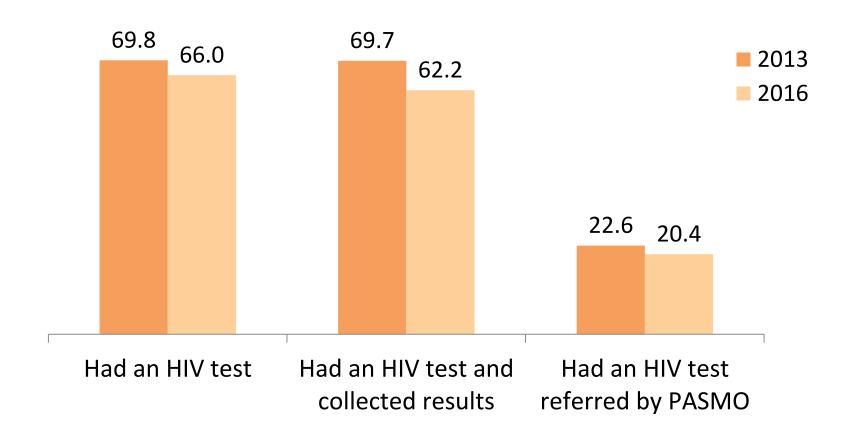
# STI in the last 12 months (%)



Had or suspected having an STI Sought medical attention

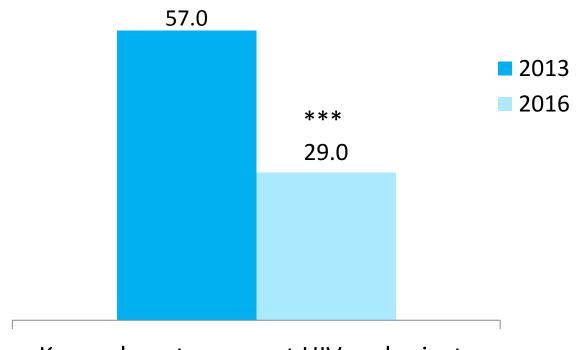


## HIV test in the last 12 months (%)





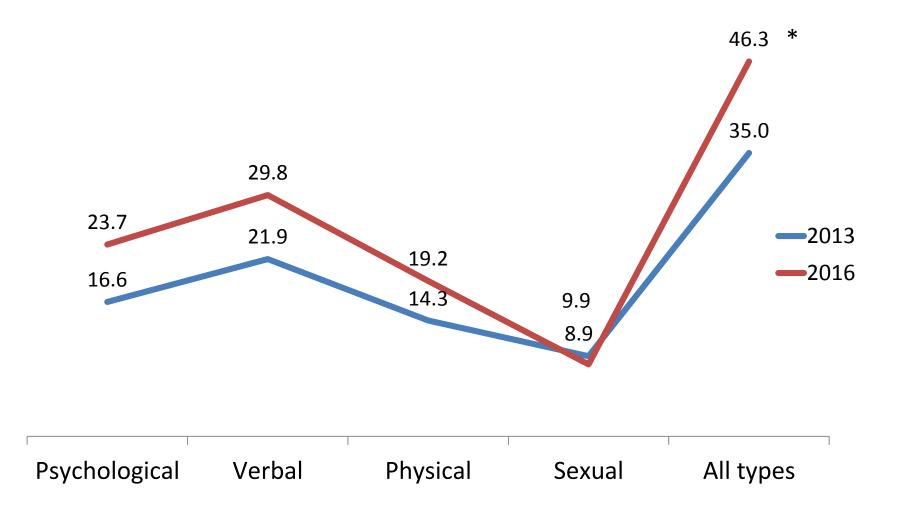
# **Knowledge of HIV prevention (UNGASS 14) (%)**



Knows how to prevent HIV and rejects common myths

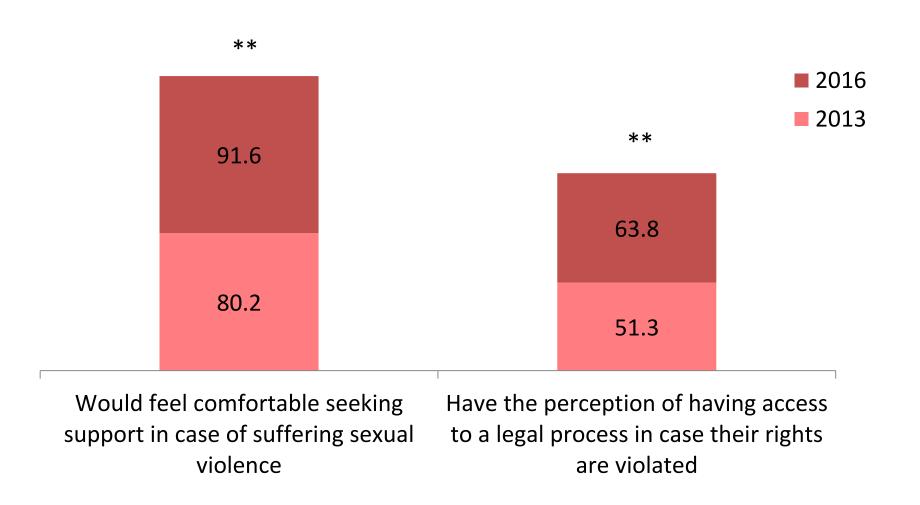


# Types of violence suffered in last 12 months (%)



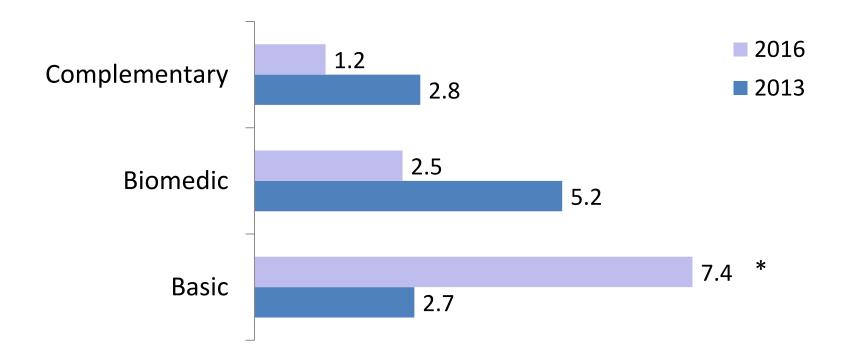


## Seeking support or accessing legal processes (%)

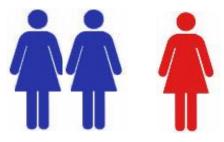




# Program exposure (%)







**SEGMENTATION ANALYSIS: FACTORS ASSOCIATED** 



# Correct and consistent condom use in the last 30 days

#### The *probability increases* with:

How many times more?

<ul> <li>Agreeing that condoms should always be used when taking alcohol and drugs.</li> </ul>	1.7
<ul> <li>Agreeing that alcohol and drugs increase the risk of contracting HIV.</li> </ul>	1.7



## Correct and consistent condom use with affective partners

#### The *probability increases* with:

How many times more?

<ul> <li>Rejecting social discrimination norms (e.g., FSW are addicted to sex, FSW are bad mothers).</li> </ul>	2.0
<ul> <li>Agreeing that they have to use a condom when they take alcohol and drugs.</li> </ul>	1.5
<ul> <li>Agreeing that they are the ones to decide if a condom is used with clients.</li> </ul>	1.8

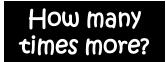


# **EVALUATION: ATTRIBUTION OF BEHAVIOR CHANGE TO THE PROGRAM**



### Association between the program and behavior

There is an association between any of the program activities and:



<ul> <li>Lubricant use during last sexual intercourse with a client.</li> </ul>	2.3
<ul> <li>Condom and lubricant use during last sexual intercourse.</li> </ul>	2.3



# **Conclusions**

- The programs should work to increase the locus of control to increase the likelihood of using condoms correctly and consistently.
- 2. Condom use should also be promoted with affective partners, as only 27% of the FSW reported its condom use correctly.
- 3. Keep promoting the HIV test once a year. Only 66% of the FSW reported being tested in the last 12 months.
- 4. Organizations should design sustainable self-educational activities to teach how to prevent HIV. Their level of knowledge was low.





Men who have Sex with Men (MSM)



# **General Information**

Population:

Men who have sex with men (MSM) and women trans

18 – 40 years of age

Type of sampling:

Respondent Driven Sampling (RDS)

Sample:

300 (14% self-defined as trans)

Location:

Belize, Cayo, Orange Walk, Corozal and Stann Creek

Type of analysis:

- Univariate analysis / SPSS
- Logistic regression / SPSS
- RDS analysis /RDSat
- Coarsened Exact Matching / STATA

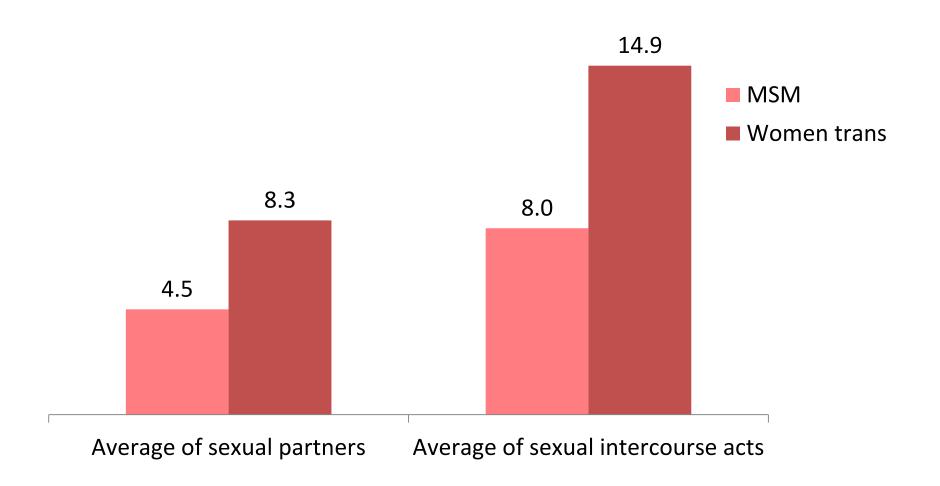




# **MONITORING ANALYSIS: TRENDS IN BEHAVIOR**

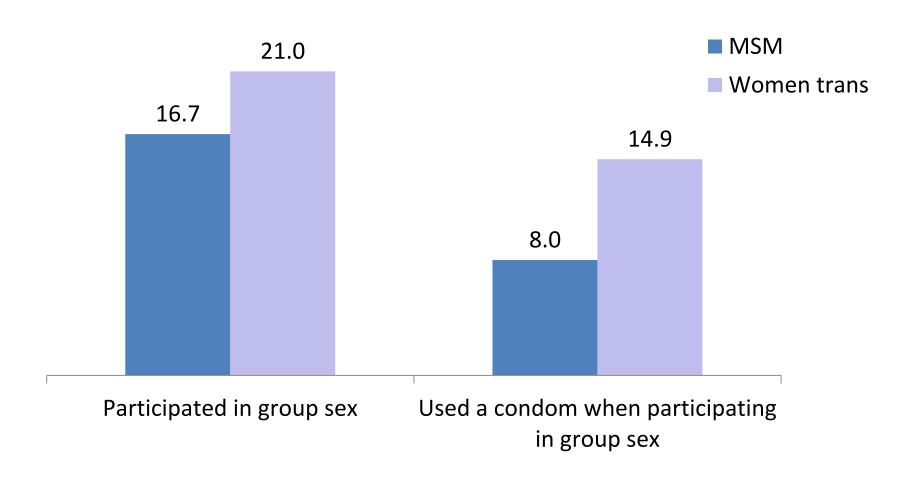


# Sexual practices in the last 30 days (n)



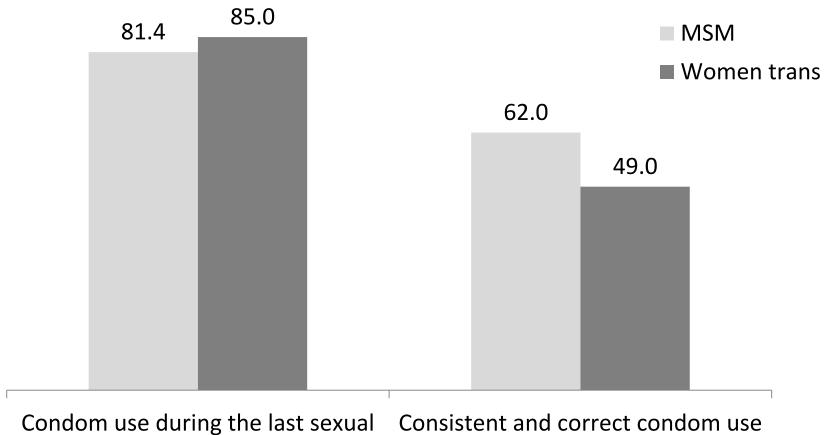


# Group sex in the last 12 months (%)





# Condom use with male partners (%)

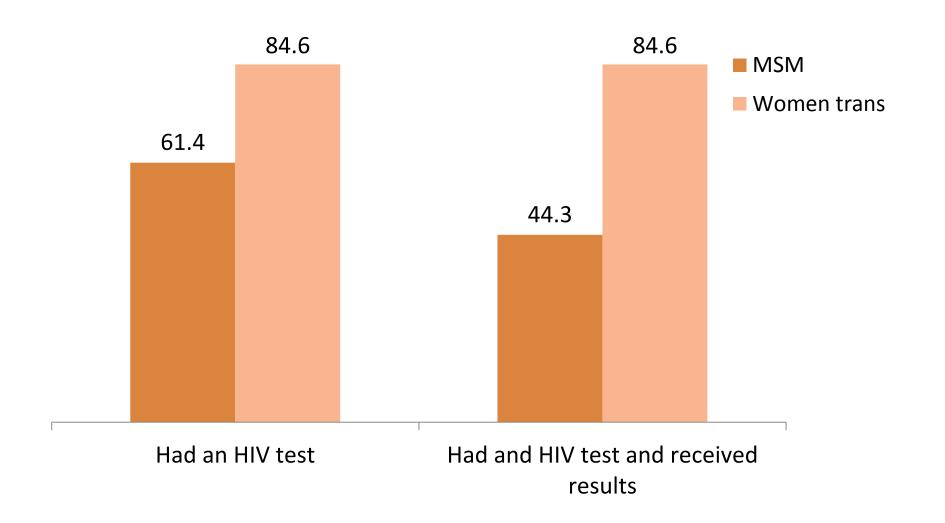


Condom use during the last sexual intercourse

Consistent and correct condom use in the last 30 days

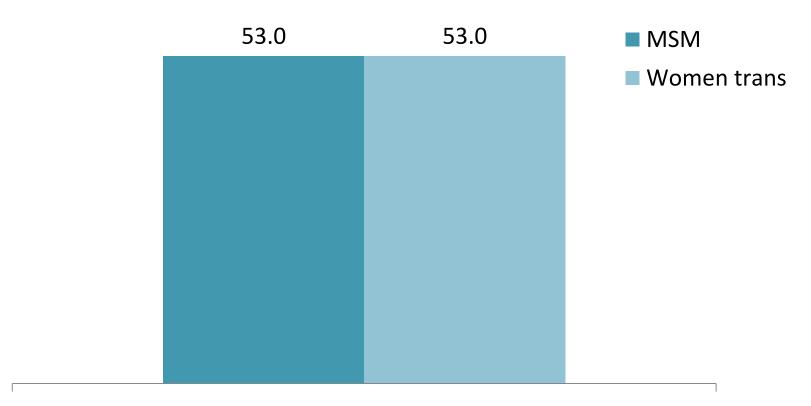


# HIV test in the last 12 months (%)





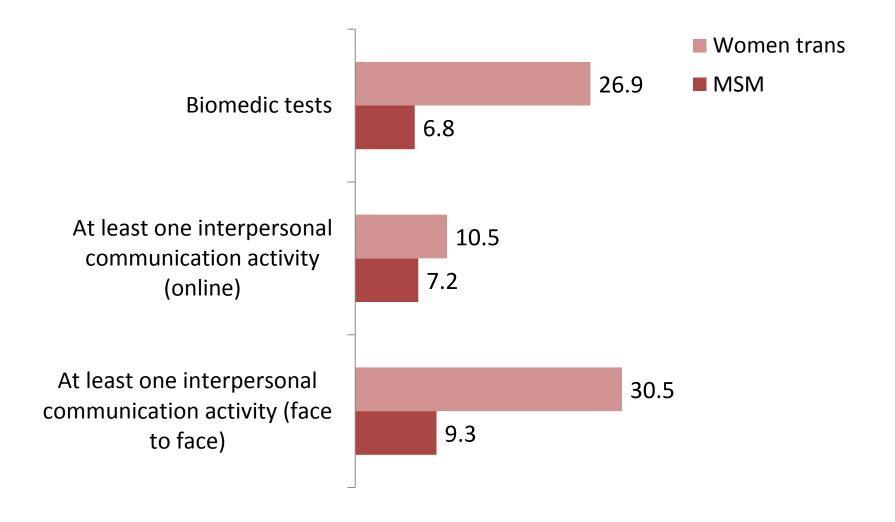
# **Knowledge of HIV prevention (UNGASS 14)(%)**



Know how to prevent HIV and reject common myths

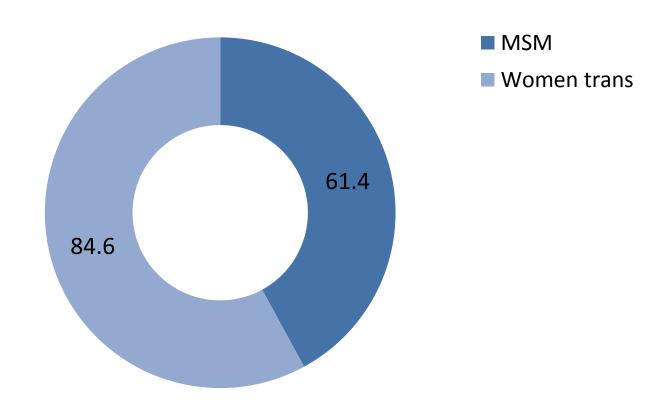


# Program exposure: coupon use in the last 12 months (%)

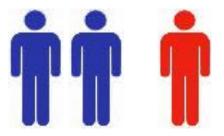




# Have accesed online media developed by PASMO (%)





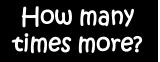


**SEGMENTATION ANALYSIS: FACTORS ASSOCIATED** 



# Correct and consistent condom use in the last 30 days

#### The *probability increases* with:

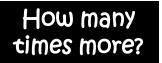


<ul> <li>Ease of finding a store where they find condoms.</li> </ul>	3.0
<ul> <li>Feeling that there is much of being proud as a person.</li> </ul>	2.8
<ul> <li>Not taking too much time after things don't go well.</li> </ul>	2.5



### HIV test in the last 12 months

#### The *probability increases* with:



Knowing a place where he/she can have an HIV test.	8.1
Thinking that people reject a person when they know he/she is MSM.	2.0

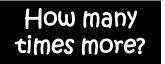


# **EVALUATION: ATTRIBUTION OF BEHAVIOR CHANGE TO THE PROGRAM**



### Association between the program and behavior

There is an association between any of the program activities and:

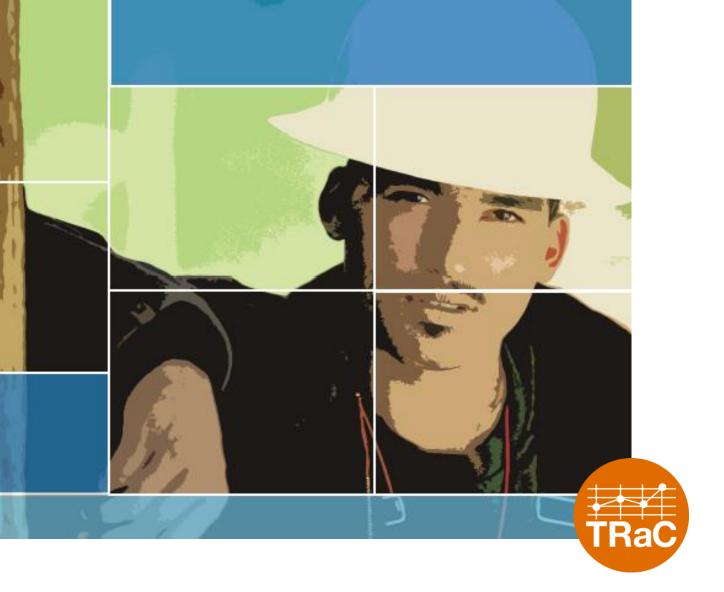


<ul> <li>Having an HIV test in the last 12 months.</li> </ul>	6.2
<ul> <li>Having an HIV test and receiving results in the last 12 months.</li> </ul>	3.6



# **Conclusions**

- 1. Approximately on 1/5 of respondents participated in group sex in the last year. Programs should promote condom use during these activities.
- 2. Having positive levels of resilience was associated with using condoms consistently with all partners during the last 30 days. Programs must strengthen these individual characteristics.
- 3. MSM and transgender women who know where an HIV test is performed are 8 times more likely to have this test. Therefore, we must continue informing about the different locations.





# Men at Risk (MR)



# **General Information**

Population: N

Men at Risk

Older than 18 years of age

Type of sampling:

Time-place

Sample:

Regional: 2594

Belize: 250

Location:

Belize, Guatemala, El Salvador,

Nicaragua, Costa Rica and Panama

Type of analysis:

- Univariate analysis / SPSS
- Logistic regression / SPSS
- Coarsened Exact Matching / STATA

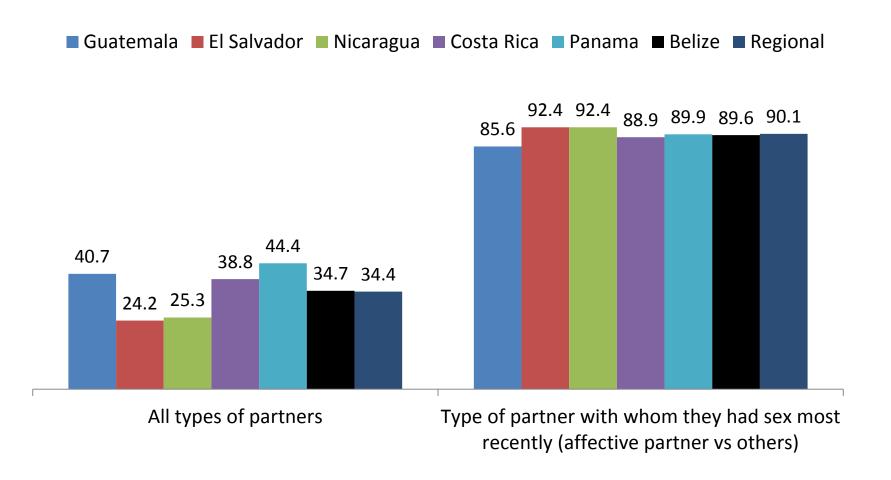




#### **MONITORING ANALYSIS: TRENDS IN BEHAVIOR**

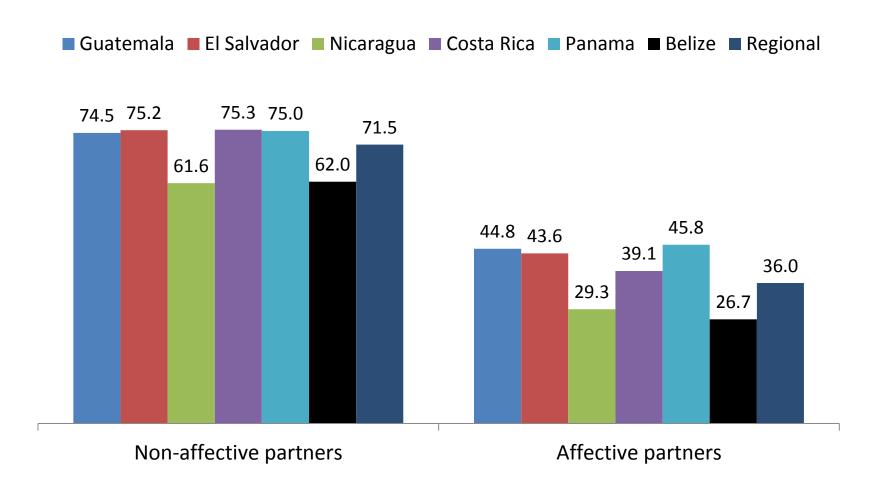


# Condom use and type of partner in the last sexual intercourse (%)



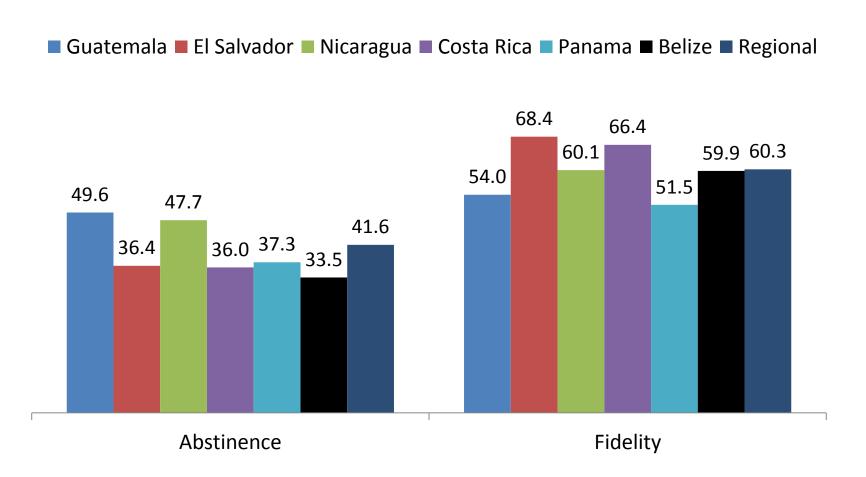


#### Consistent condom use in the last 30 days (%)



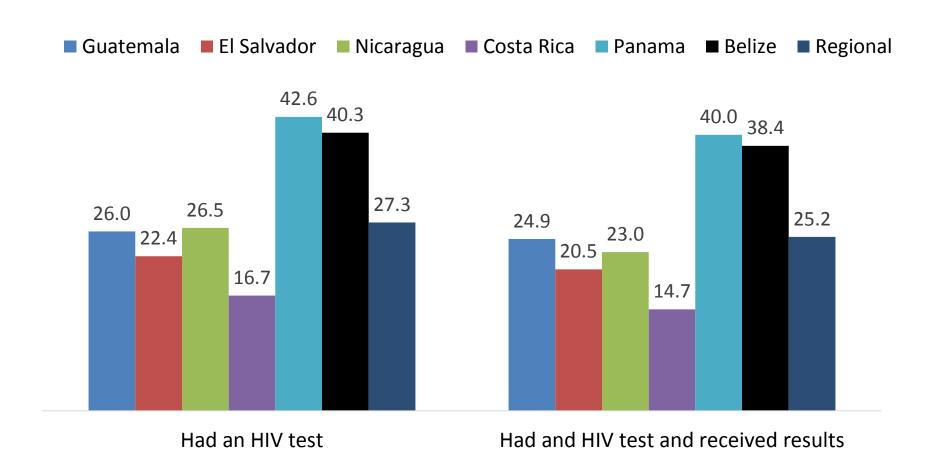


#### Healthy sexual behaviors in the last 30 days (%)





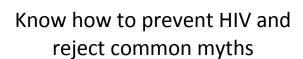
### HIV test in the last 12 months (%)

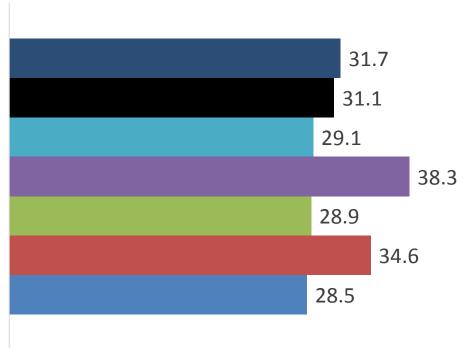




#### **Knowledge of HIV prevention (UNGASS 14) (%)**

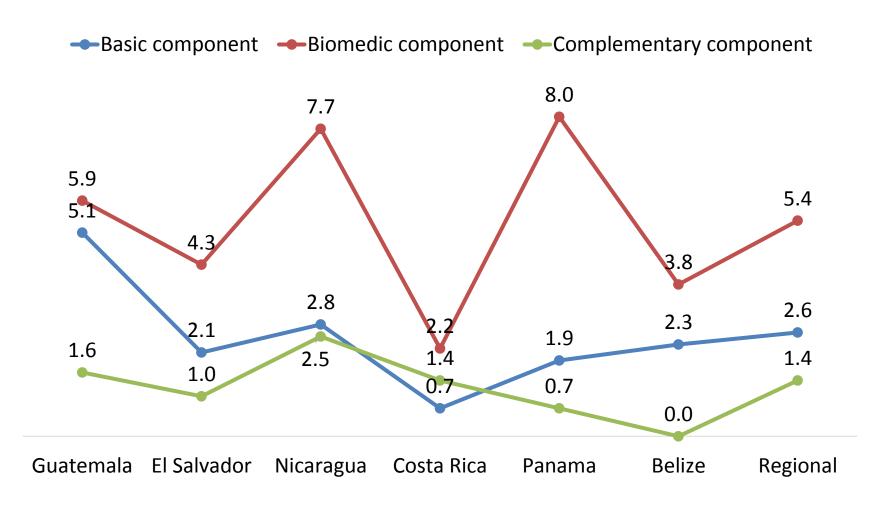




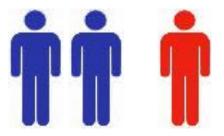




# Program exposure: coupon use in the last 12 months







**SEGMENTATION ANALYSIS: FACTORS ASSOCIATED** 



#### Condom use in the last sexual intercourse

#### The *probability increases* with:

How many times more?

Agreeing with positive social norms (e.g., couples should talk about their HIV status, everyone should have an HIV test each year).	1.3
<ul> <li>Having positive attitudes towards condoms (i.e., attractive, fun, exciting, sexy).</li> </ul>	1.3
<ul> <li>Having a positive locus of control where they are the ones who suggest the condom use.</li> </ul>	1.6



### Consistent condom use with non-affective partners

#### The *probability increases* with:

How many times more?

<ul> <li>Rejecting common myths of HIV risk infection (e.g., oral sex is safe, cleaning of genitals prevent STIs).</li> </ul>	1.3
<ul> <li>Having positive locus of control by suggesting the use of the condom use.</li> </ul>	2.8
<ul> <li>Thinking that condoms don't limit intimacy.</li> </ul>	1.5

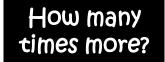


# **EVALUATION:** ATTRIBUTION OF BEHAVIOR CHANGE TO THE PROGRAM



#### Association between the program and behavior

There is an association between any of the program activities and:



<ul> <li>Condom use during last sexual intercourse.</li> </ul>	1.9
<ul> <li>Condom and lubricant use during last sexual intercourse.</li> </ul>	4.0
<ul> <li>Having an HIV test in the last 12 months.</li> </ul>	4.0
Having an HIV test in the last 12 months and received results.	3.7

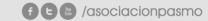


# **Conclusions**

- 1. Programs should work to increase positive attitudes towards condoms. Key messages and condom product innovation are essential.
- 2. Continue emphasizing and strengthening the locus of control because it is associated with increased condom use.
- 3. Work to change social norms often requires mass communication messages. It is recommended that the importance of HIV testing, carrying a condom, and condom use with all types of partners.









# **General Information**

Population: People living with HIV

Older than 18 years of age

Type of sampling: Consecutive recruitment

Sample: Regional: 2585

Location: Guatemala, El Salvador, Nicaragua,

Costa Rica and Panama

Type of analysis:

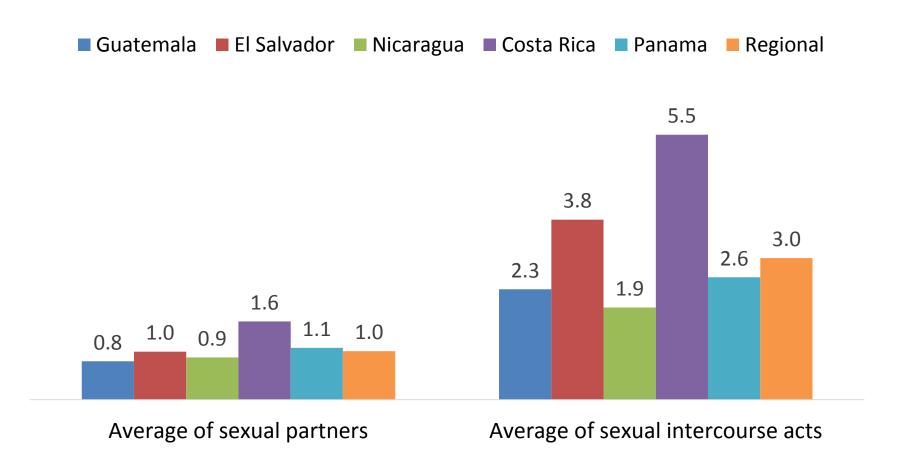
- Univariate analysis / SPSS
- Logistic regression / SPSS
- Coarsened Exact Matching / STATA



#### **MONITORING ANALYSIS: TRENDS IN BEHAVIOR**

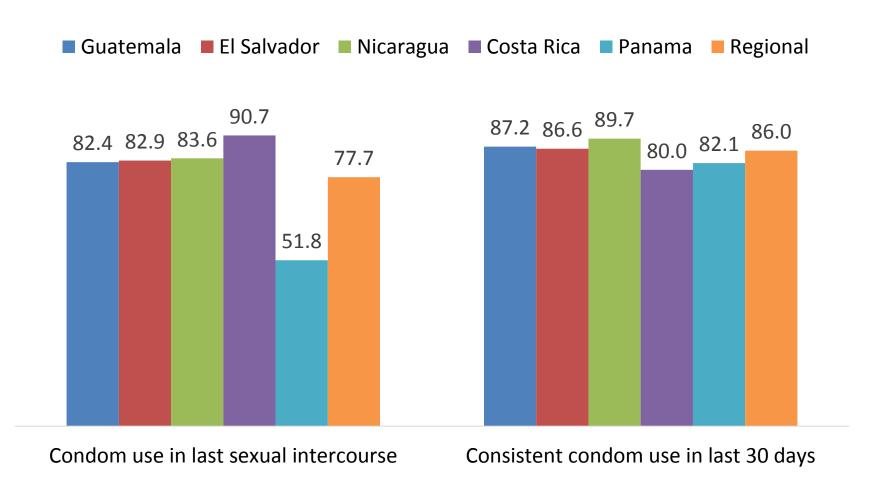


### Sexual practices in the last 30 days (n)



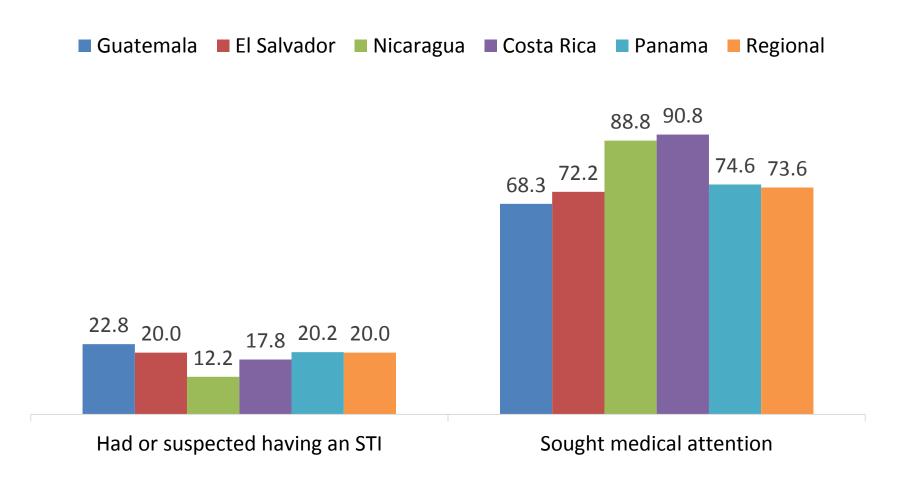


#### Condom use (%)



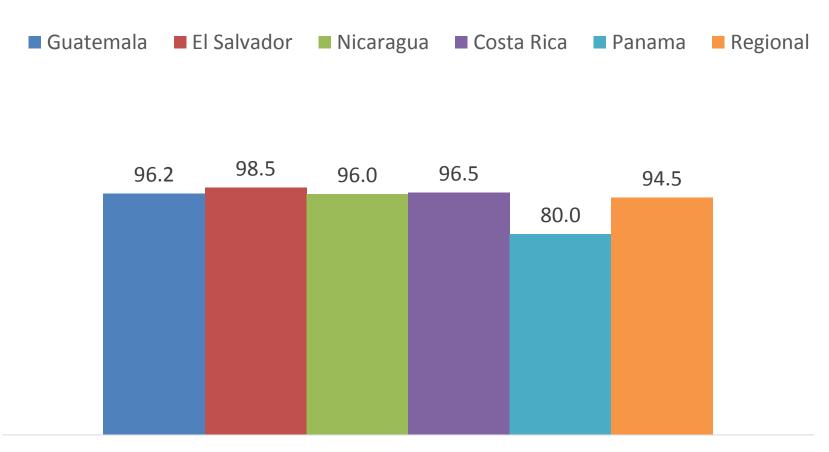


#### STI in the last 12 months





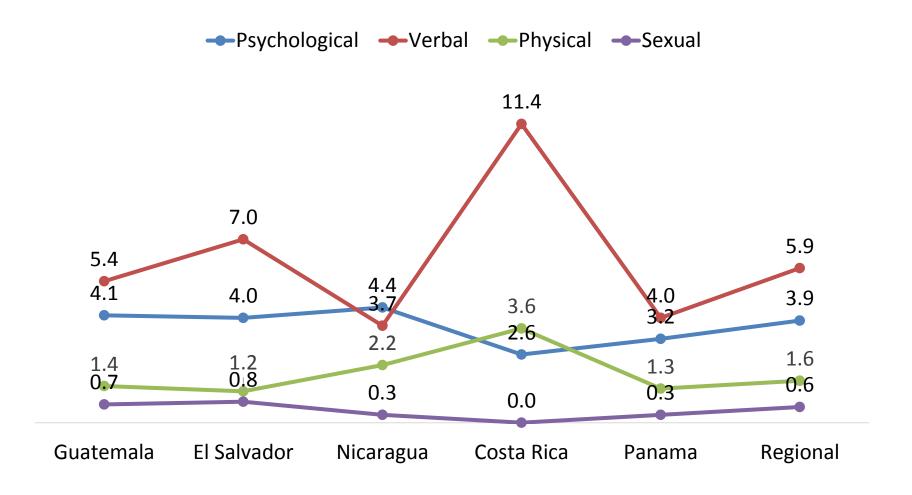
#### **Antiretroviral use (%)**



Taking antiretrovirals during the time of the interview

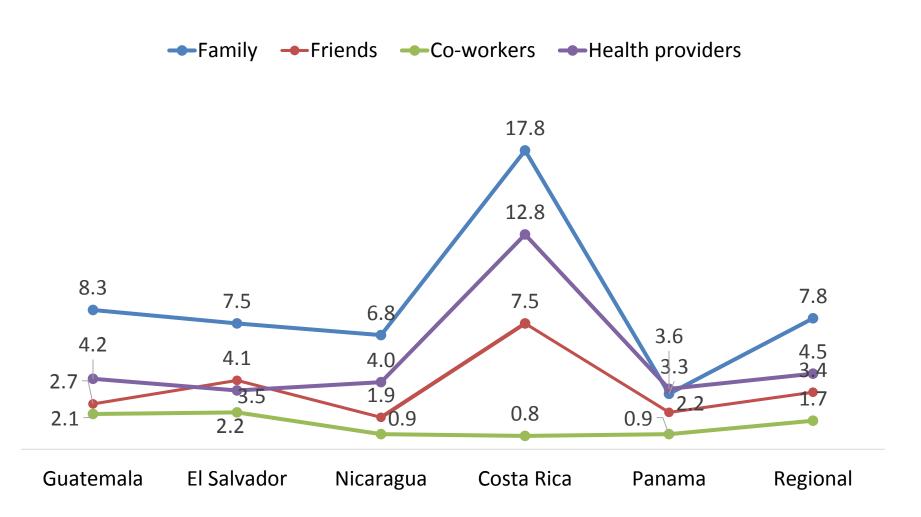


### Types of violence suffered in the last 12 months (%)

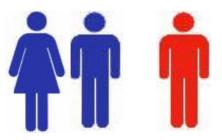




# Discrimination for being a person living with HIV (%)







**SEGMENTATION ANALYSIS: FACTORS ASSOCIATED** 



#### Condom use in the last sexual intercourse

#### The *probability increases* with:

How many times more?

<ul> <li>Having recent sex with a non-affective partner.</li> </ul>	1.8
<ul> <li>Carrying a condom during the interview.</li> </ul>	1.4
<ul> <li>Having a partner promote the use of the condom.</li> </ul>	2.3
<ul> <li>Feeling capable of using the condom correctly.</li> </ul>	2.7
<ul> <li>Having positive attitudes towards condoms.</li> </ul>	1.3
<ul> <li>Having access to free condoms.</li> </ul>	1.8



#### Consistent condom use with all partners in the last 30 days

#### The *probability increases* with:

How many times more?

Feeling capable of denying having sex without a condom.	1.4
<ul> <li>Carrying a condom during the interview.</li> </ul>	1.9
<ul> <li>Having a partner promote the use of the condom.</li> </ul>	1.9
Agreeing that having sex without a condom is not a trust test.	1.5
<ul> <li>Having a positive locus of control (i.e., you would never have sex without a condom).</li> </ul>	1.9

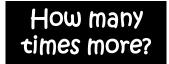


# **EVALUATION: ATTRIBUTION OF BEHAVIOR CHANGE TO THE PROGRAM**



#### Association between the program and behavior

There is an association between any of the program activities and:



<ul> <li>Lubricant during last sexual intercourse.</li> </ul>	2.0
<ul> <li>Condom and lubricant use during last sexual intercourse.</li> </ul>	1.9
<ul> <li>Effective adherence to antiretroviral treatment during the last 14 days.</li> </ul>	1.4



# **Conclusions**

- 1. Programs should work to increase positive attitudes towards condoms. Key messages and condom product innovation are essential.
- 2. The support of the partner was associated with condom use. Therefore, it is advisable to approach partners of people living with HIV and engage them in promotion activities.
- 3. Reduce the rates of violence and discrimination towards people living with HIV, as well as continue demystify the ways of infection and increase awareness in the general population.



# Thank you

For additional information, please visit:

www.asociacionpasmo.org











