

# NEDS

NATIONAL EVALUATION DATA SERVICES

## NEDS SECONDARY ANALYSIS BRIEFING TOOLKIT

### VOLUME 13

**Module 46: Characteristics of Clients in Four High Risk Behavior Groups in the National Treatment Improvement Evaluation Study (NTIES)**

**Module 47: Treatment Characteristics and Outcomes of Clients in Four High Risk Behavior Groups in the National Treatment Improvement Evaluation Study (NTIES)**

**March 2002**



**CSAT**  
Center for Substance  
Abuse Treatment  
SAMHSA

**CALIBER**  
ASSOCIATES

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## FOREWORD

The Center for Substance Abuse Treatment (CSAT), Office of Evaluation, Scientific Analysis, and Synthesis (OESAS), established the original National Evaluation Data Services (NEDS) contract (Contract No. 270-97-7016) in 1997 to support the CSAT mission by increasing knowledge of the effectiveness of substance abuse treatment and promoting access to treatment evaluation and research data and findings.

In 2000, through a new contract (Contract No. 270-00-7078), OESAS both continued and expanded the scope of NEDS in three major areas: treatment data infrastructure, secondary analyses of treatment data including Government Performance and Results Act (GPRA) support, and Web-based treatment data tools for states. NEDS is designed to give the Center the capability to strategically target, access existing data from CSAT and other data sources, to generate new treatment information over time through secondary analyses of that data, and to make this new treatment information available to diverse audiences through multiple product lines and avenues.

The purpose of the NEDS Secondary Analysis Toolkit is to provide a ready-reference tool for CSAT managers and staff, policymakers, state substance abuse directors, providers, and substance abuse treatment advocates to use in gaining knowledge and presenting evidence-based analytic results related to substance abuse treatment effectiveness. This briefing toolkit presents a profile of clients in four high risk behavior groups in the National Treatment Improvement Evaluation Study (NTIES) who engaged in: (1) injection drug use and sex exchange, (2) injection drug use only, (3) sex exchange only, and (4) neither behavior. Included in this volume are client demographic characteristics, treatment history, treatment characteristics, and treatment outcomes. Future modules of the toolkit will be based on additional NEDS data holdings that include national treatment admissions databases, several large state and national databases (e.g., Drug Abuse Treatment Outcome Study) containing client services and/or outcomes data, and project-specific data bases (e.g., Job Corps Evaluation).

Patrick J. Coleman  
Project Director  
National Evaluation Data Services

## **ACKNOWLEDGMENTS**

We wish to acknowledge our reliance upon the overall guidance and direction of Ron Smith, the Government Project Officer for the NEDS contract. Caliber Associates is the prime contractor for NEDS in partnership with DeltaMetrics, The Lewin Group, the National Association of State Alcohol and Drug Abuse Directors (NASADAD), the National Development and Research Institutes (NDRI), the National Opinion Research Center (NORC), Science Applications International Corporation (SAIC), and UCLA Integrated Substance Abuse Programs (ISAP). Many individuals at Caliber contributed significantly to the development of this volume, including Tia Coleman, Kathy Karageorge, Betty Elsea, Iris Mensing, and staff from the Project Services Department.

# **NEDS SECONDARY ANALYSIS BRIEFING TOOLKIT: INTRODUCTION AND OVERVIEW**

The Center for Substance Abuse Treatment (CSAT), Office of Evaluation, Scientific Analysis, and Synthesis (OESAS), established the original National Evaluation Data Services (NEDS) contract (Contract No. 270-97-7016) in 1997 to support the CSAT mission by increasing knowledge of the effectiveness of substance abuse treatment and promoting access to treatment evaluation and research data and findings.

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## **1. NEDS**

The NEDS project is focused upon providing CSAT with an analytic capability to use existing data to address policy- and practice-relevant topics as well as to inform future activities. In addition to its emphasis on mining existing data resources, NEDS has developed several product lines designed to provide analytic findings to diverse target audiences such as substance abuse treatment policymakers, treatment providers, state substance abuse directors, consumer advocates, and researchers and evaluators in formats that are useful to them.

## **2. SECONDARY ANALYSIS BRIEFING TOOLKIT**

The Secondary Analysis Briefing Toolkit (hereafter, simply referred to as the *briefing toolkit*) is one of the NEDS product lines. The purpose of the briefing toolkit is to provide a ready-reference tool for CSAT managers and staff, state substance abuse directors, providers, substance abuse consumer advocates, and others who may need, for example, information on analytic results related to substance abuse treatment outcomes, costs related to substance abuse treatment, and the characteristics of clients in substance abuse treatment facilities.

The toolkits are developed from two sources, directly from data sets in the NEDS holdings or from technical reports of secondary analyses. NEDS data holdings that have been or will be used to produce briefing toolkit modules include the National Treatment Improvement Evaluation Study (NTIES) database, the Drug Abuse Treatment Outcome Study (DATOS), Job Corps/DTEP evaluation database, national treatment admissions databases, and several large state and national databases containing client services and/or outcomes data.

The briefing toolkit is designed to provide tailored materials on topics related to substance abuse treatment and its broad range of impacts. New modules on evolving NEDS analytic topics and products will be developed periodically, using additional data sets and technical reports as they become available.

### **3. THE BRIEFING TOOLKIT PROVIDES PRESENTATION FLEXIBILITY**

The NEDS briefing toolkit is a product line developed to provide visual aid materials on substance abuse treatment. The briefing toolkit is a ready-reference tool that treatment professionals can use to inform other professionals on topics related to treatment effectiveness. The briefing toolkit is designed in a modular format that gives the presenter maximum flexibility in developing internal or external briefings or other documents. Modules can be used on a "stand-alone" basis or by combining pages from different modules for a more tailored presentation.

For example, a presenter may want to show an audience of law enforcement professionals that treatment can reduce criminal behaviors across a wide range of substance abusing clients. In this case, the presenter could choose to present several criminal behavior outcomes (e.g., drunk driving and shoplifting) across several demographic categories of clients (males versus females, adolescents versus adults, Hispanic versus white, etc.). The organization of the briefing toolkit makes the development of such a presentation quite simple.

Each page within a module is designed to be self-explanatory and easily comprehensible. Familiar terminology is employed throughout the briefing toolkit modules—jargon and technical language have been explicitly avoided. In order to maintain maximum flexibility for presenters, individual slides within briefing toolkit modules generated directly from data sets are *not* numbered. Instead, an index of the contents of each module is provided at the beginning of the module.

Modules that are generated from technical reports include a numbering system. On the back of each slide is a citation consisting of the module number, the slide number, the page of the technical report where these data are located and the title of the report from which the information is extracted. Data sources for each slide are noted at the bottom of the slide.

#### **4. BRIEFING TOOLKIT MODULE TOPICS**

The toolkit modules have been constructed around specific treatment populations and/or topical areas within the substance abuse treatment field. Modules provide summaries of treatment experiences and outcomes for clients and are often specific to treatment effectiveness databases in NEDS. Examples of module topics include treatment outcomes by demographics, substance(s) used, modality, and the costs/benefits of treatment provided.

#### **5. BRIEFING TOOLKIT DISTRIBUTION**

Modules from the briefing toolkits are available on the NEDS Web site for downloading (<http://neds.calib.com>). As new sets of modules are completed, they will be added on the NEDS Web site.

#### **For More Information**

*Questions related to the briefing toolkit, the modules, or individual slides and their interpretation may be directed to the NEDS GPO, Ron Smith, or Patrick J. Coleman ([colemanp@calib.com](mailto:colemanp@calib.com)) at Caliber Associates (703) 385-3200.*

# NEDS Secondary Analysis Briefing Toolkit

## Module 46: Characteristics of Clients in Four High Risk Behavior Groups in the National Treatment Improvement Evaluation Study (NTIES)

The results in this Secondary Analysis Briefing Toolkit Module are taken from a NEDS Technical Report titled: *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*. This report, produced by Caliber Associates, can be found in its entirety on the NEDS Web site at <http://neds.calib.com>.

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**MODULE 46: CHARACTERISTICS OF CLIENTS IN FOUR HIGH RISK BEHAVIOR GROUPS IN**  
**THE NATIONAL TREATMENT IMPROVEMENT EVALUATION STUDY (NTIES)**

**Client Characteristics (INTAKE)**

- Client Gender
- Client Racial/Ethnic Background
- Clients Who Completed High School Diploma or GED
- Clients Currently Employed
- Clients Under Court Supervision
- Clients Who Were Homeless
- Clients Who Received Prior Alcohol and Drug Treatment
- Past 30-day Substance Use
- Clients Reporting HIV/AIDS by Risk Behavior Group
- Clients Reporting Sex with an Injection Drug User by Risk Behavior Group
- Clients Reporting 10 or More Sexual Partners by Risk Behavior Group

## DEFINITIONS OF RISK BEHAVIOR GROUPS

### INJECTION DRUG USE AND SEX EXCHANGE BEHAVIORS

The following items from the NTIES intake questionnaire were used to construct four risk behavior groups based on two components of risk behavior:

- **Injection drug use behaviors.** These behaviors were identified based on the client's response to the questions: "Have you ever, even one time, used a needle to inject drugs to get high or for other non-medical effects?" and "When was the last time you used a needle to take drugs to get high or for other non-medical effects?"
- **Sex exchange behaviors.** These behaviors were identified based on the client's affirmative response to the question: "Have you ever had sex for money or drugs (prostitution)?"

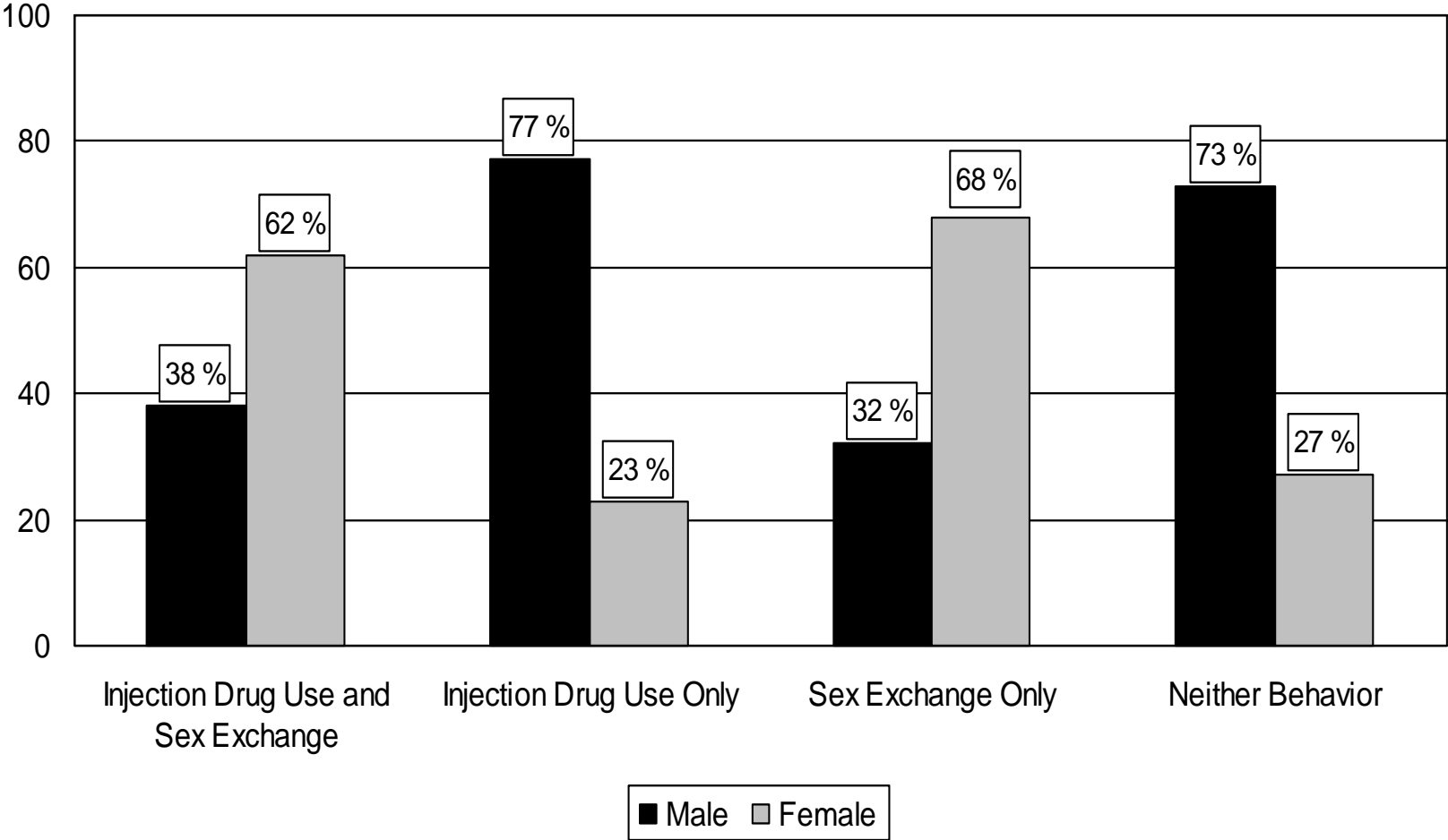
### CLIENT RISK BEHAVIOR GROUPS

Clients were divided into four risk behavior groups based on their involvement in injection drug use and sex exchange behaviors:

- **Injection Drug Use and Sex Exchange:** Clients who engaged in injection drug use behaviors and sex exchange behaviors
- **Injection Drug Use Only:** Clients who engaged in injection drug use behaviors only
- **Sex Exchange Only:** Clients who engaged in sex exchange behaviors only
- **Neither Behavior:** Clients who did not engage in injection drug use or sex exchange behaviors.

# **Client Characteristics: Intake**

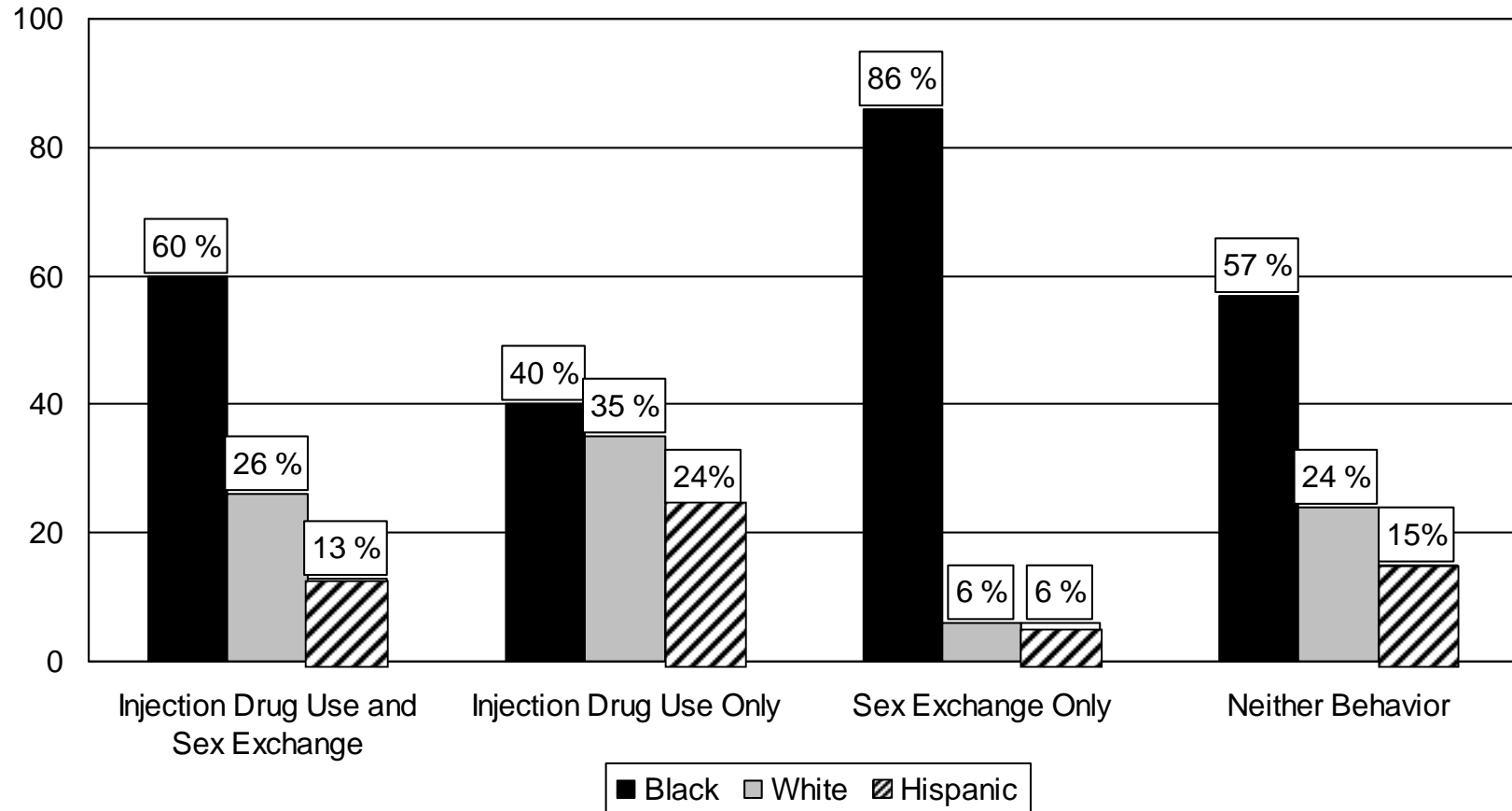
# Client Gender



SOURCE: NTIES

Module 46, Slide 1, Page 15, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

# Client Racial/Ethnic Background\*

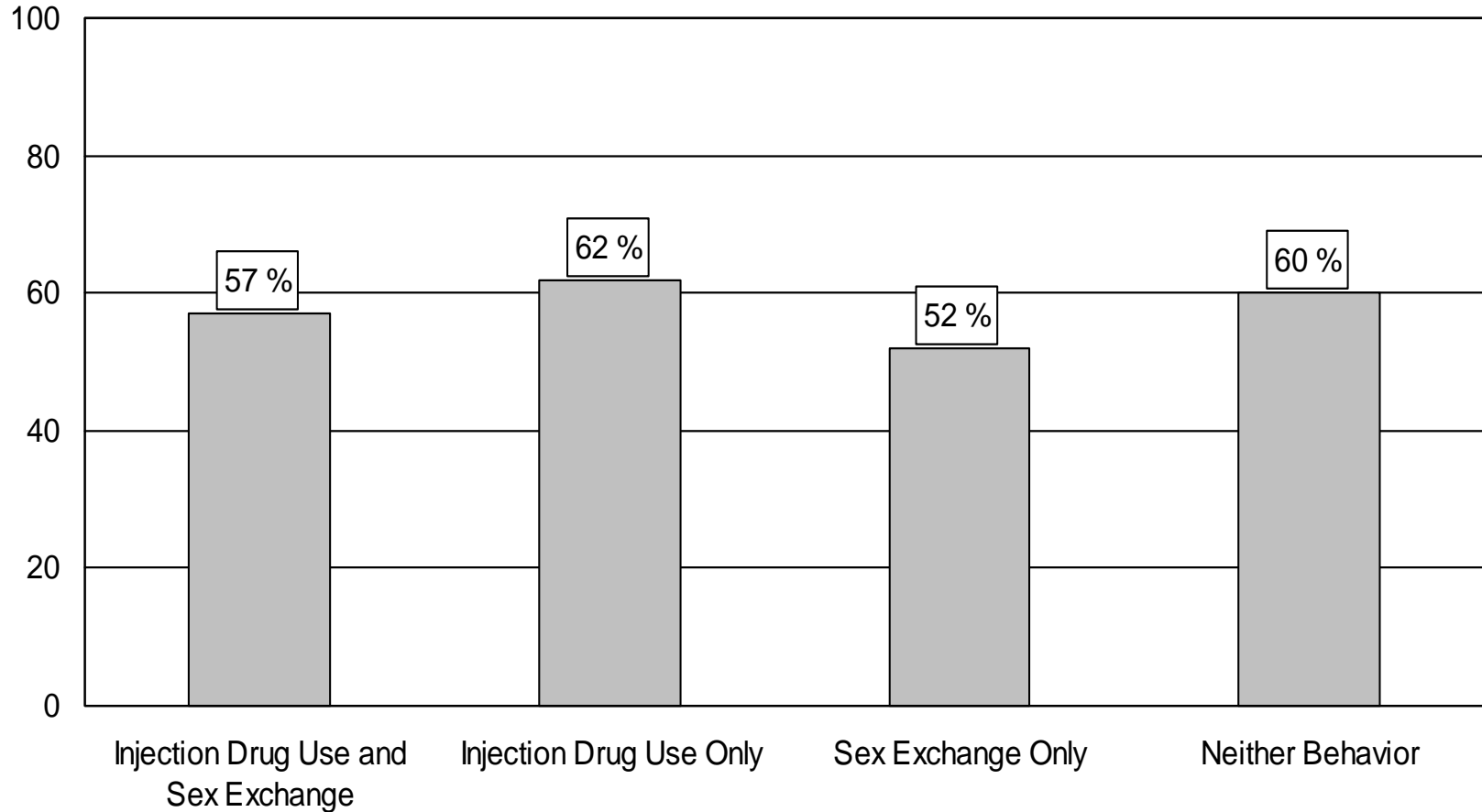


\*Total percentages for each risk behavior group do not equal 100 because Native American, Asian–Pacific Islander, and other clients who identified their racial/ethnic background as “other” were not included in this analysis due to their small sample size.

**SOURCE: NTIES**

Module 46, Slide 2, Page 15, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

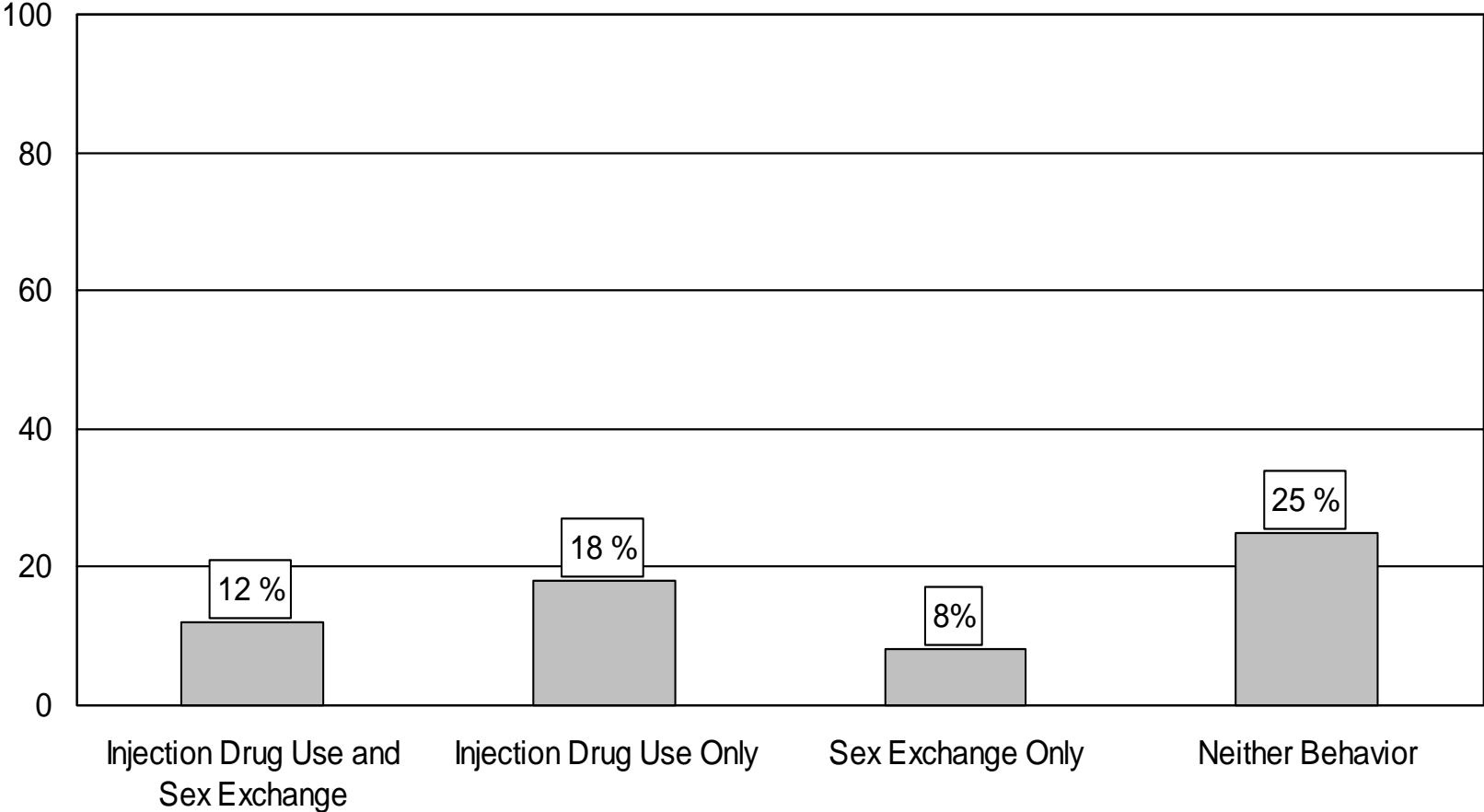
# Clients Who Completed High School Diploma or GED



SOURCE: NTIES

Module 46, Slide 3, Page 15, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

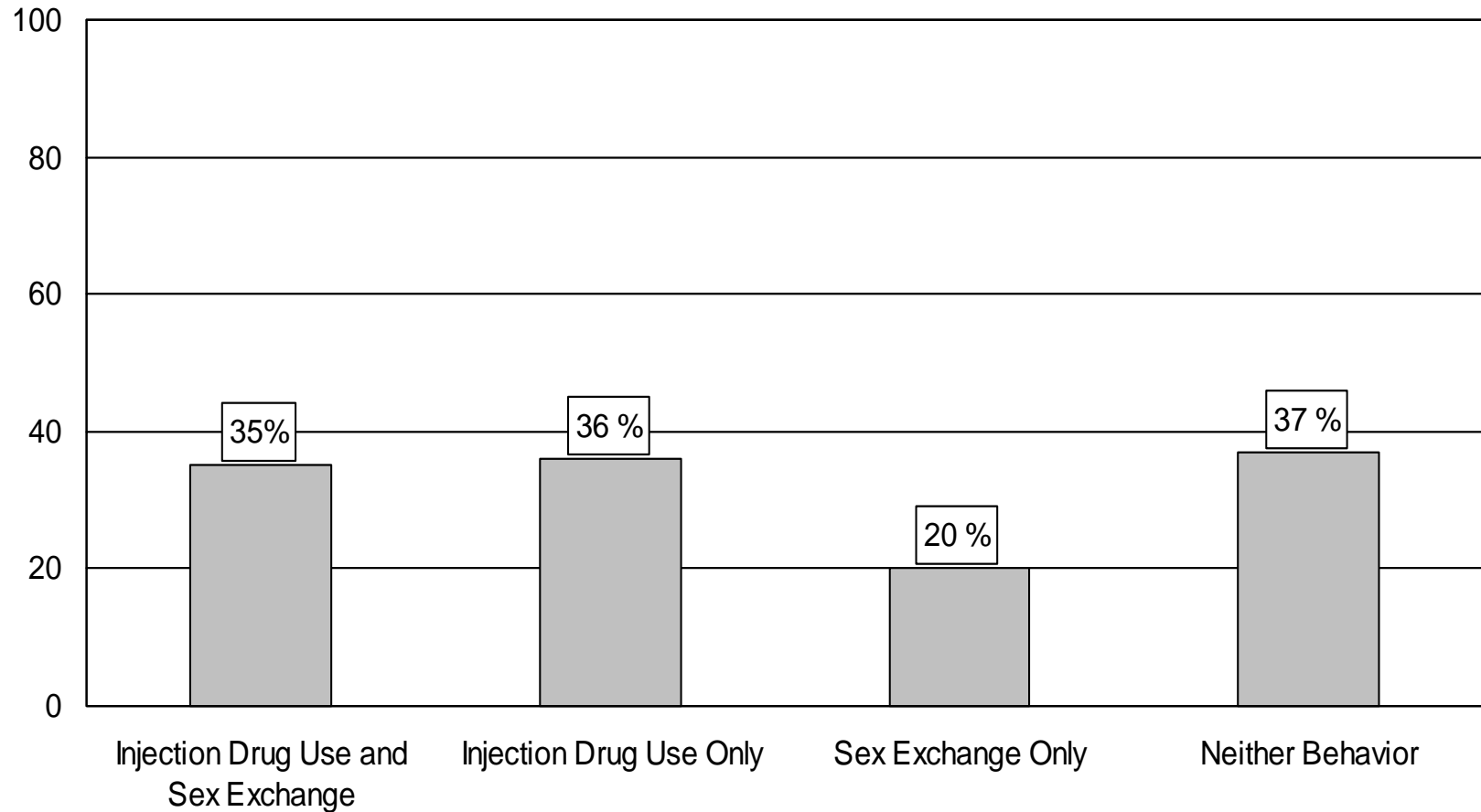
# Clients Currently Employed



SOURCE: NTIES

Module 46, Slide 4, Page 15, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

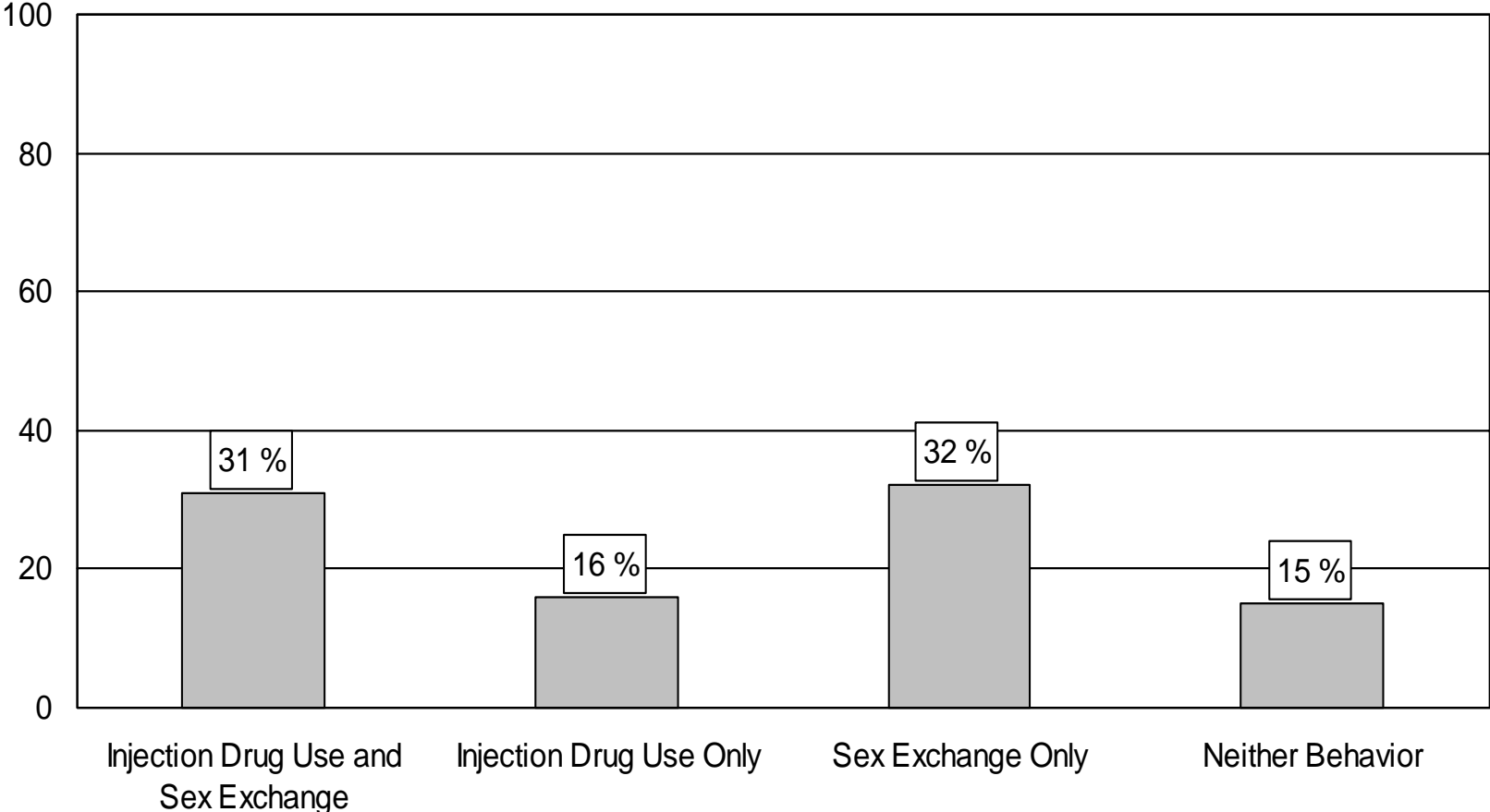
# Clients Under Court Supervision



SOURCE: NTIES

Module 46, Slide 5, Page 15, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

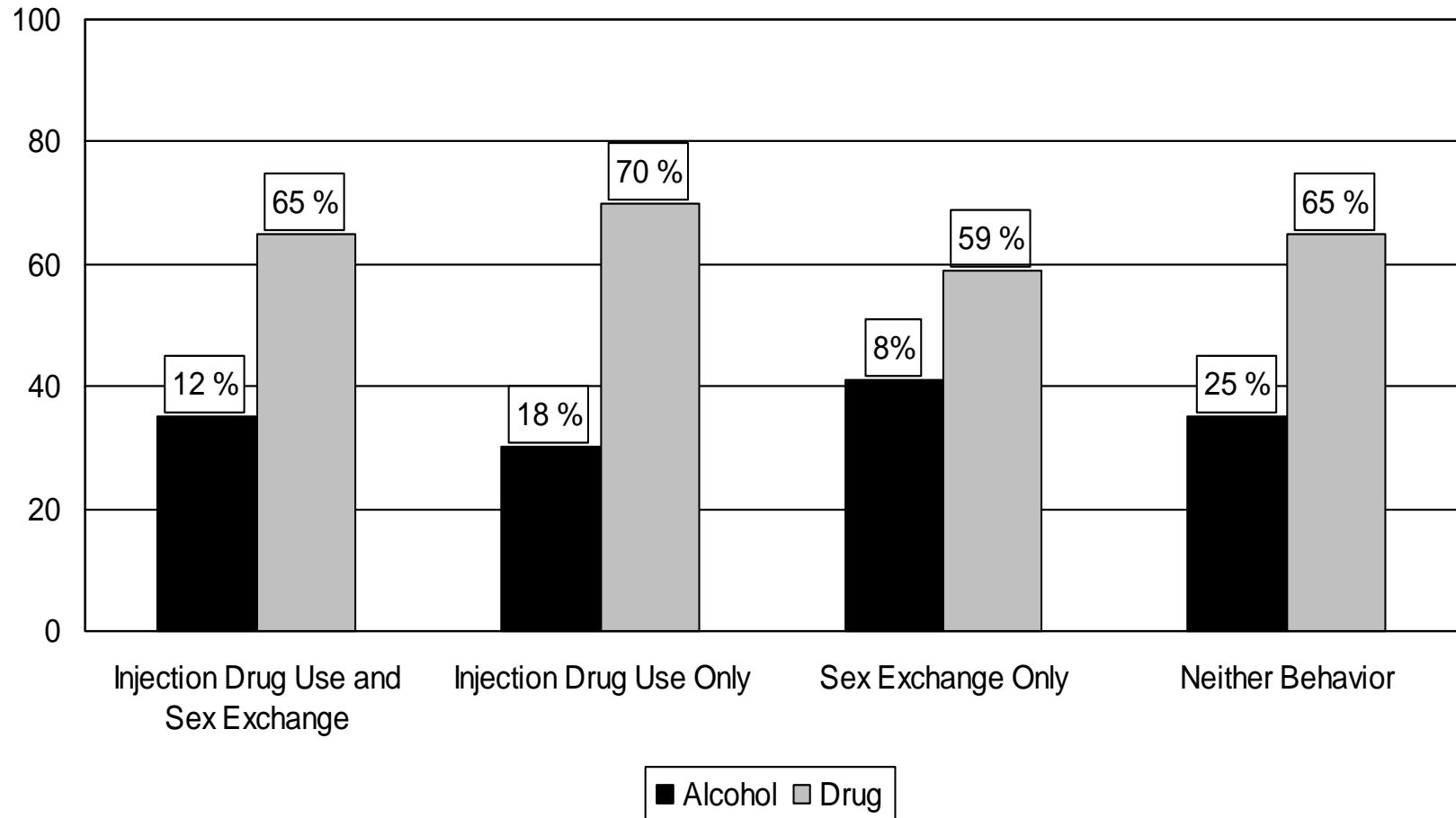
# Clients Who Were Homeless



SOURCE: NTIES

Module 46, Slide 6, Page 15, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

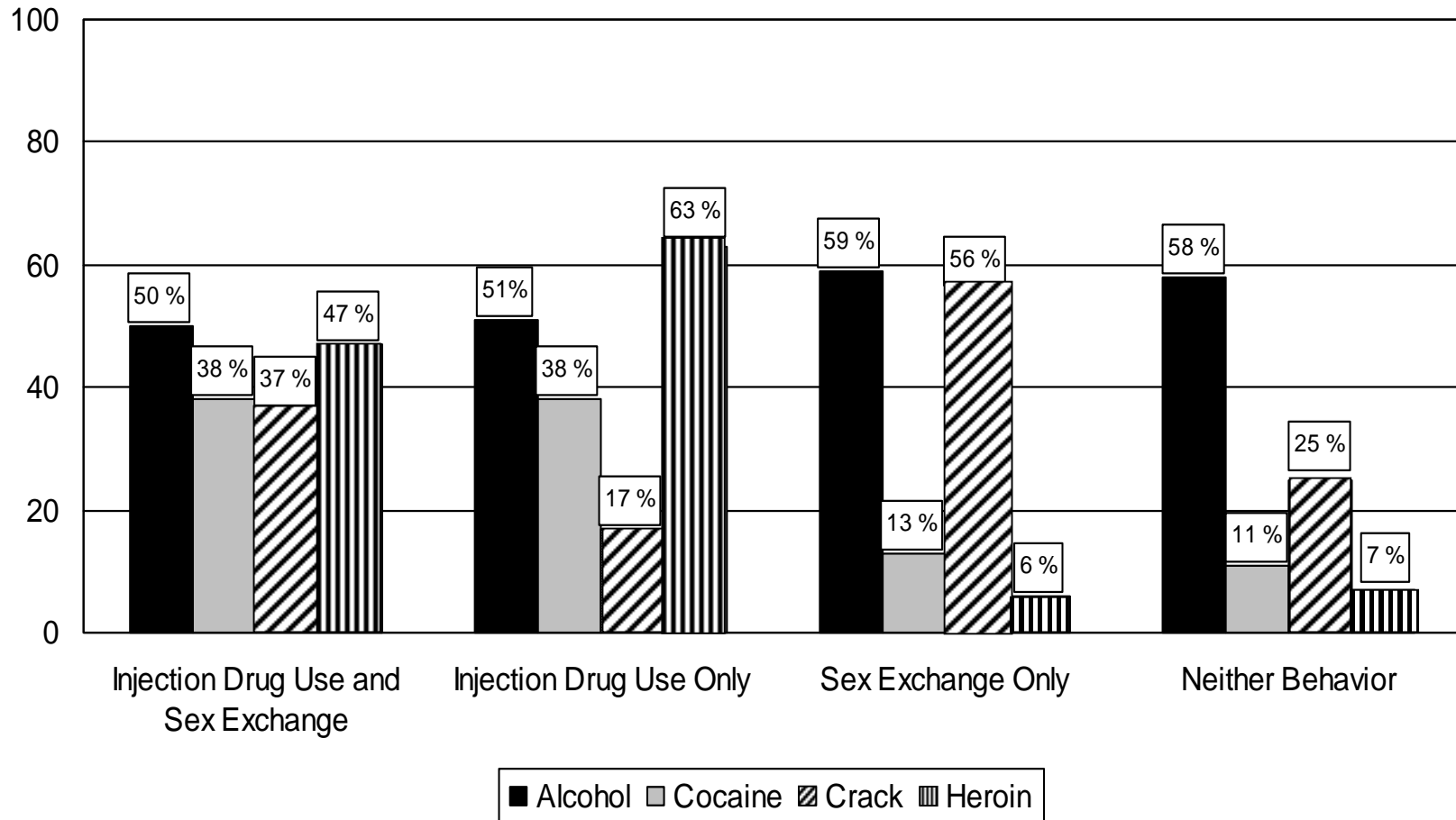
## Clients Who Received Prior Alcohol and Drug Treatment



SOURCE: NTIES

Module 46, Slide 7, Page 15, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

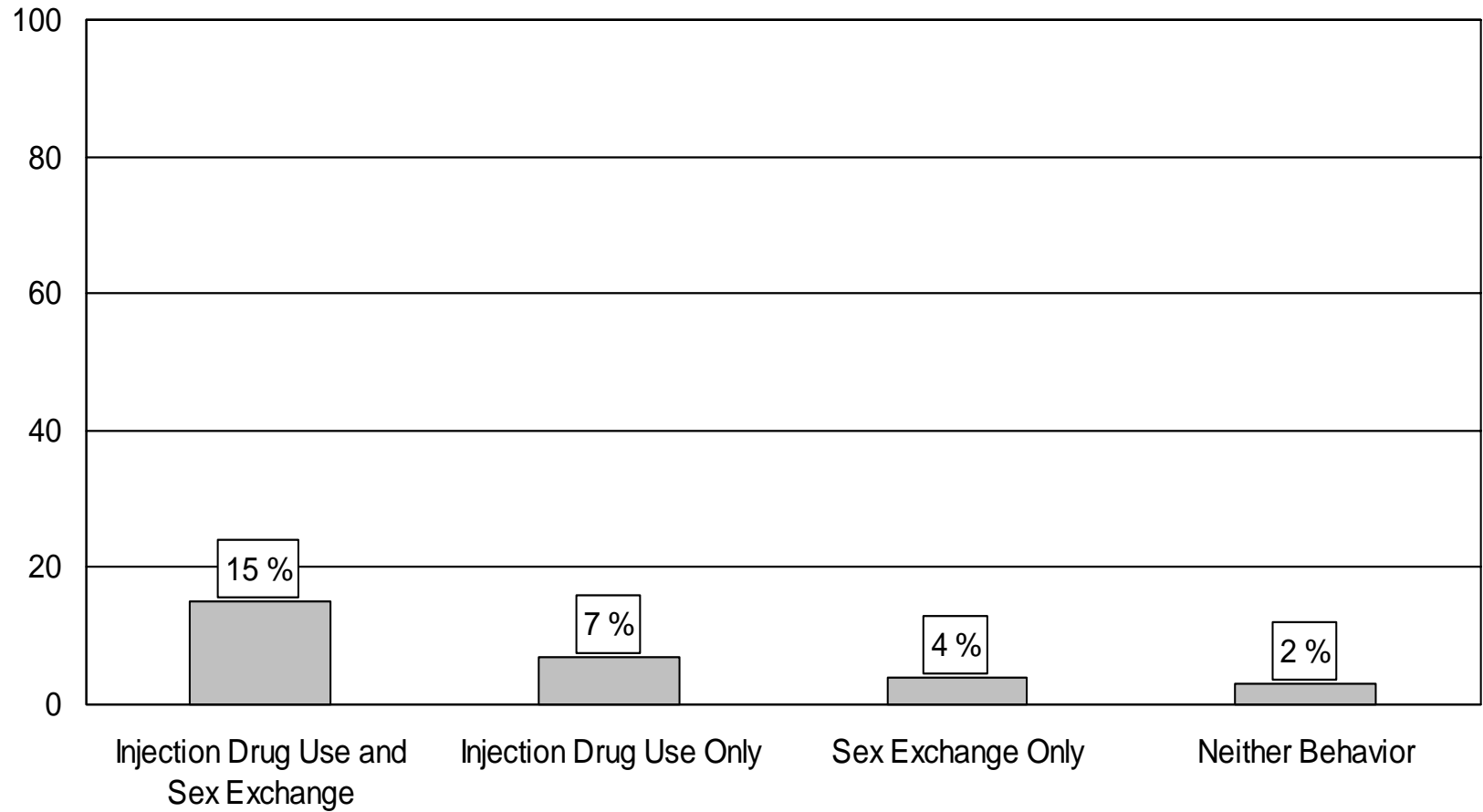
# Past 30-day Substance Use



SOURCE: NTIES

Module 46, Slide 8, Page 15, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

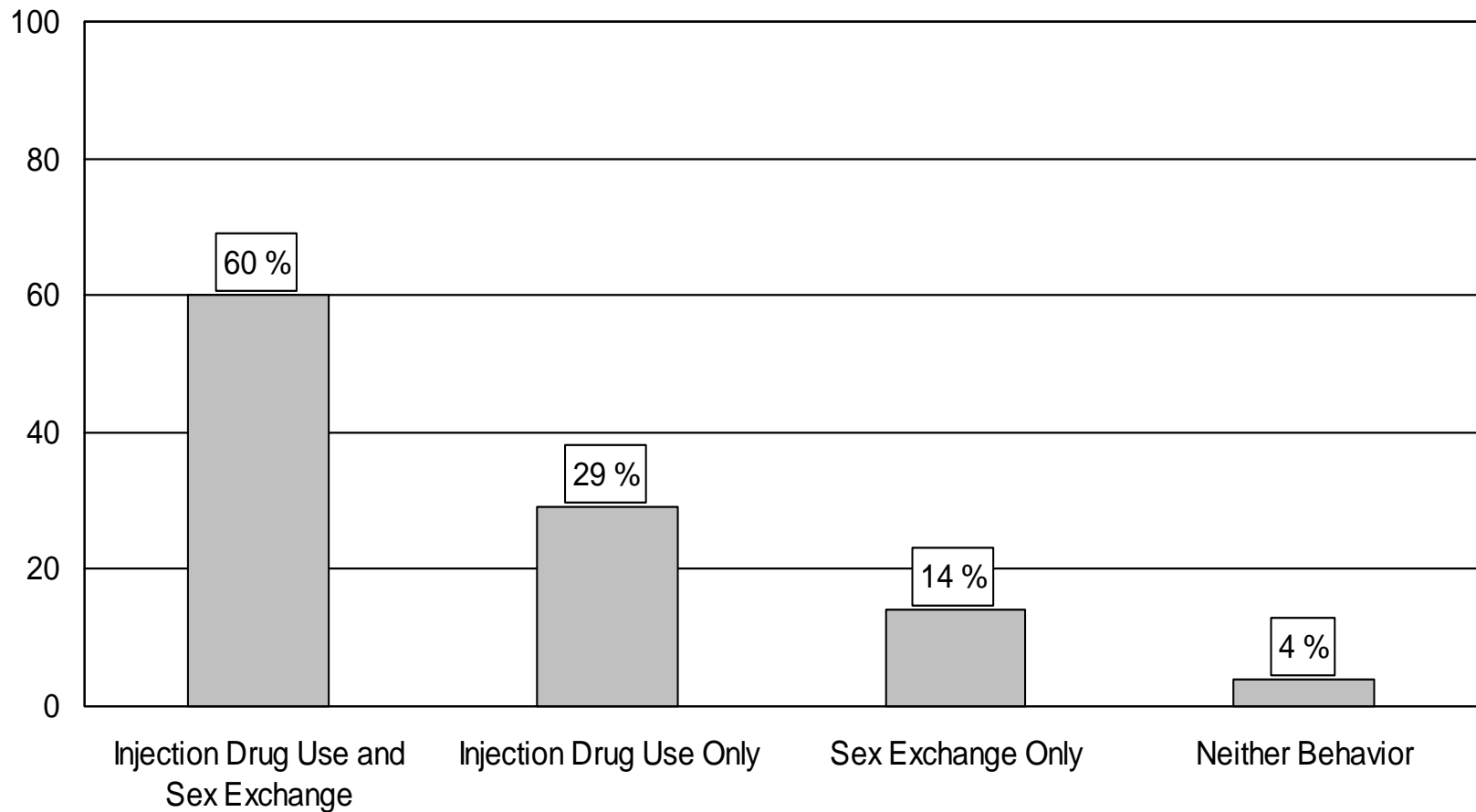
# Clients Reporting HIV/AIDS by Risk Behavior Group



SOURCE: NTIES

Module 46, Slide 9, Page 26, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

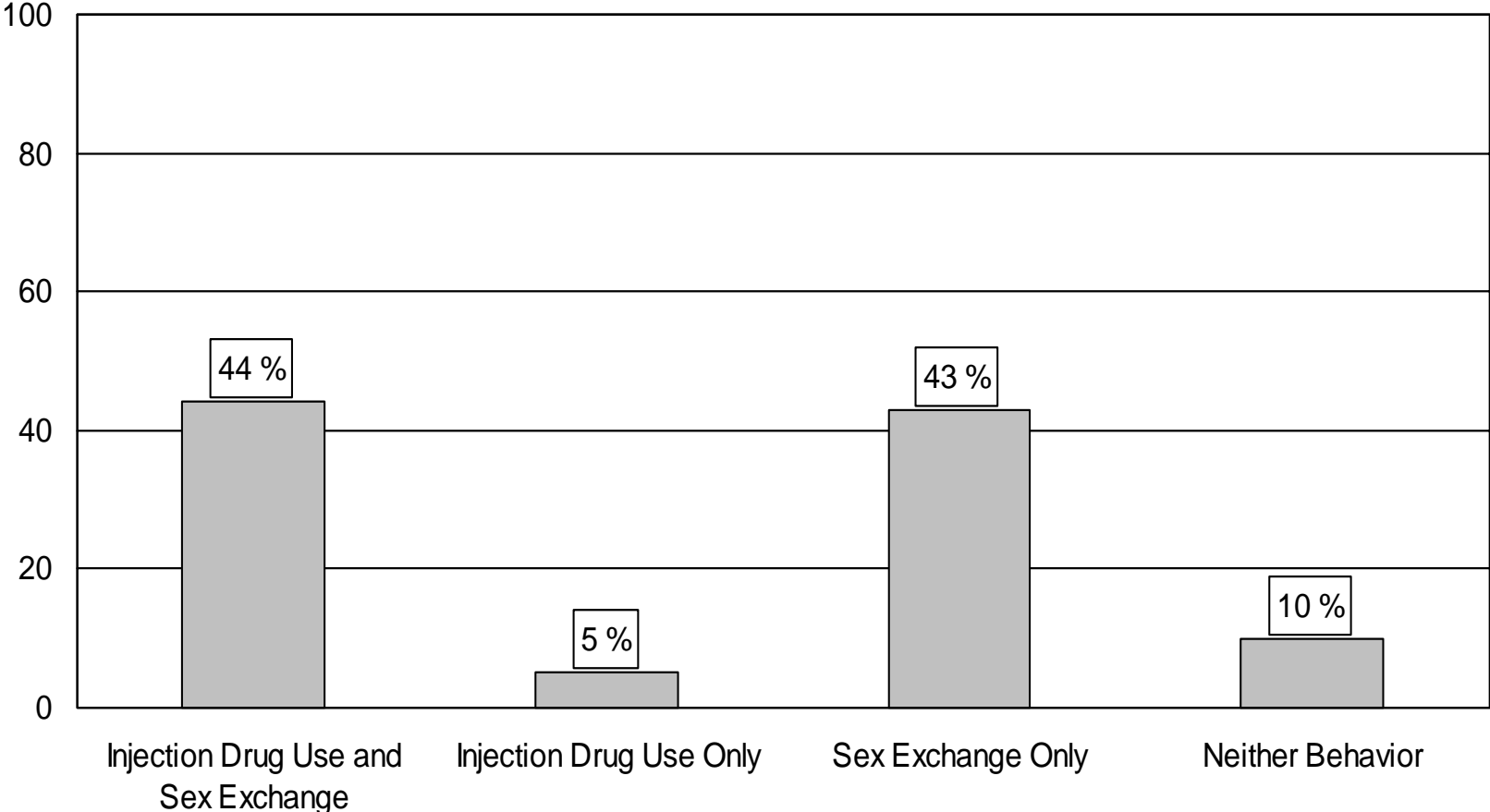
## Clients Reporting Sex with an Injection Drug User by Risk Behavior Group



SOURCE: NTIES

Module 46, Slide 10, Page 27, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

# Clients Reporting 10 or More Sexual Partners by Risk Behavior Group



SOURCE: NTIES

Module 46, Slide 11, Page 28, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

# NEDS Secondary Analysis Briefing Toolkit

## Module 47: Treatment Characteristics and Outcomes of Clients in Four High Risk Behavior Groups in the National Treatment Improvement Evaluation Study (NTIES)

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**Treatment Characteristics (DURING TREATMENT)**

- Treatment Modalities by Risk Behavior Group
- Frequency and Intensity of Client Contact with Primary Provider

**Treatment Outcomes (FOLLOW-UP)**

- Clients Reporting Needle Sharing by Risk Behavior Group
- Clients Reporting Sex with an Injection Drug User by Risk Behavior Group
- Clients Reporting Sexual Abstinence by Risk Behavior Group
- Clients Reporting 10 or More Sexual Partners by Risk Behavior Group
- Clients Who Used Condoms More Than Half the Time by Risk Behavior Group
- Clients Reporting Past 30-day Heroin Use by Risk Behavior Group
- Clients Reporting Past 30-day Crack Cocaine Use by Risk Behavior Group
- Clients Reporting Past 30-day Cocaine Powder Use by Risk Behavior Group

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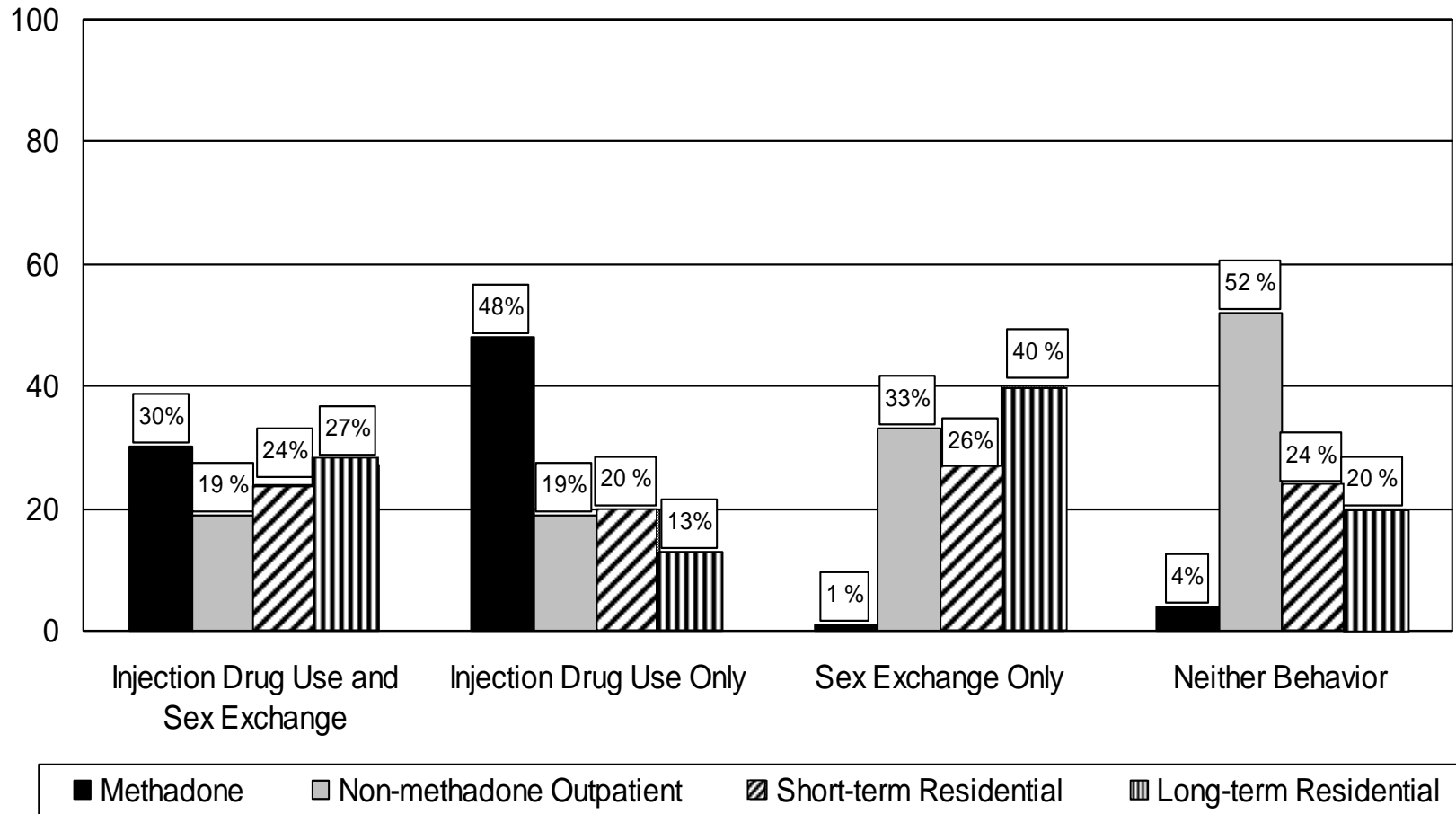
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- **Neither Behavior:** Clients who did not engage in injection drug use or sex exchange behaviors.

# **Treatment Characteristics: During Treatment**

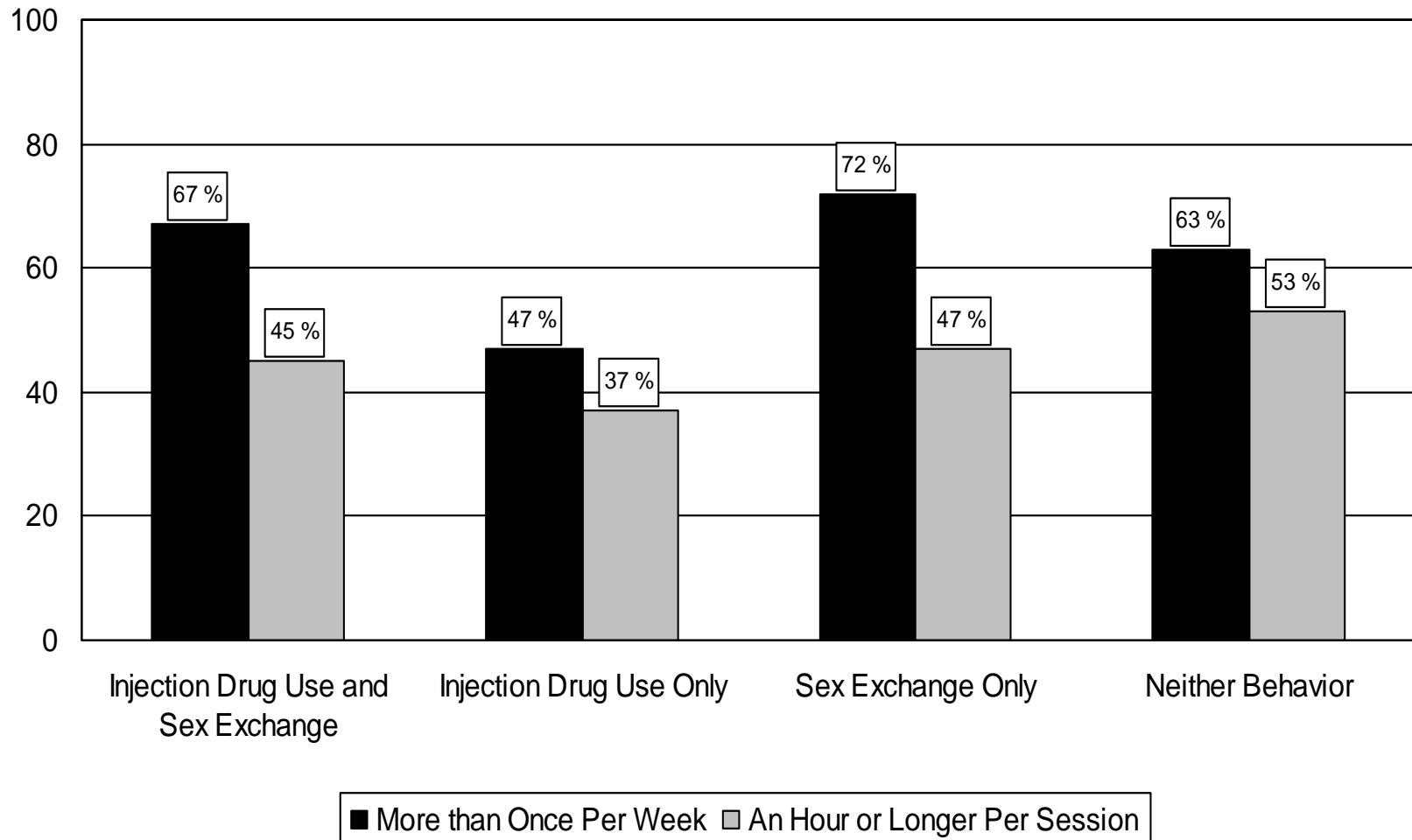
# Treatment Modalities by Risk Behavior Group



SOURCE: NTIES

Module 47, Slide 1, Page 18, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

## Frequency and Intensity of Client Contact with Primary Provider

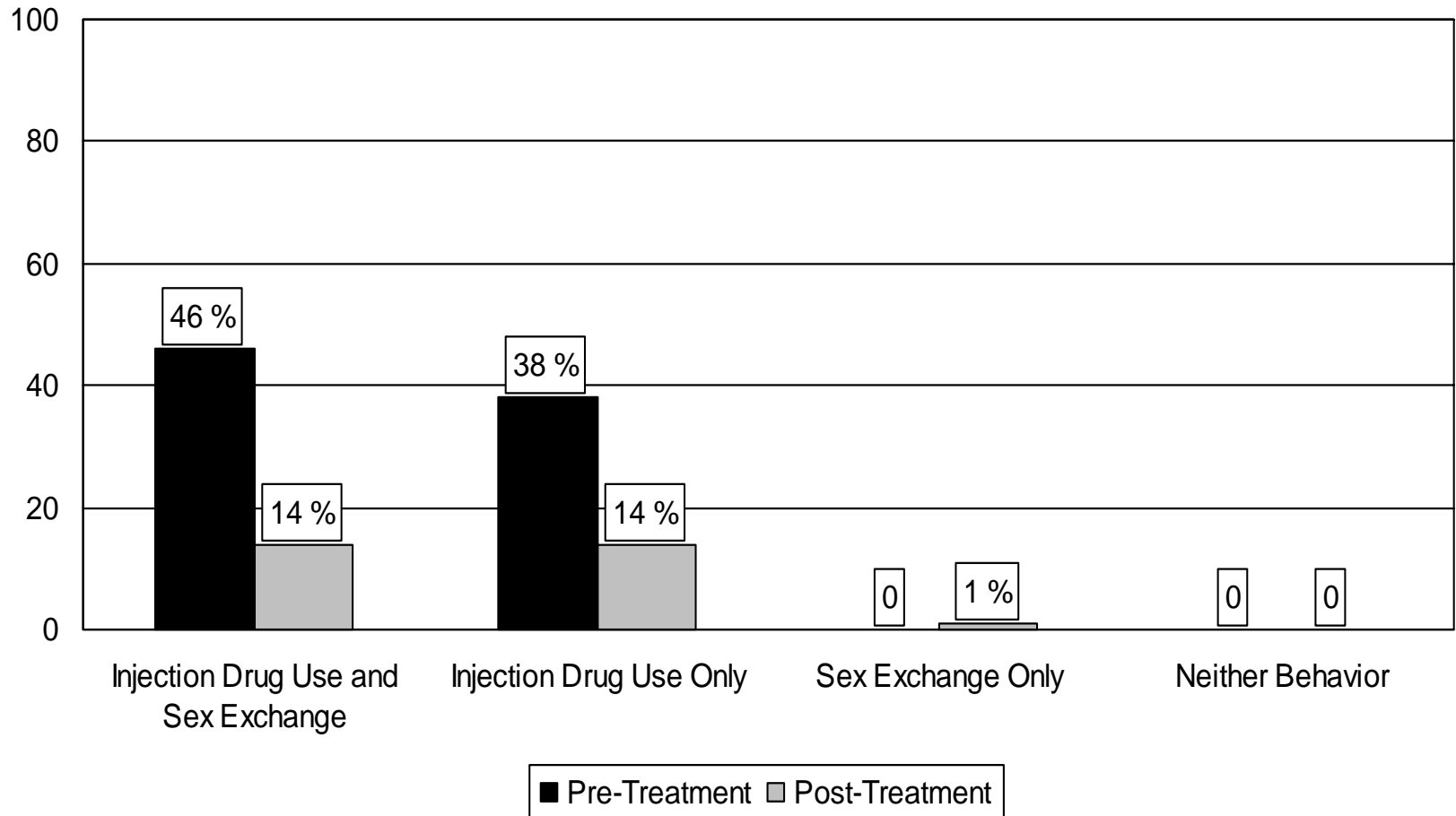


SOURCE: NTIES

Module 47, Slide 2, Page 18, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

# **Treatment Outcomes: Follow-up**

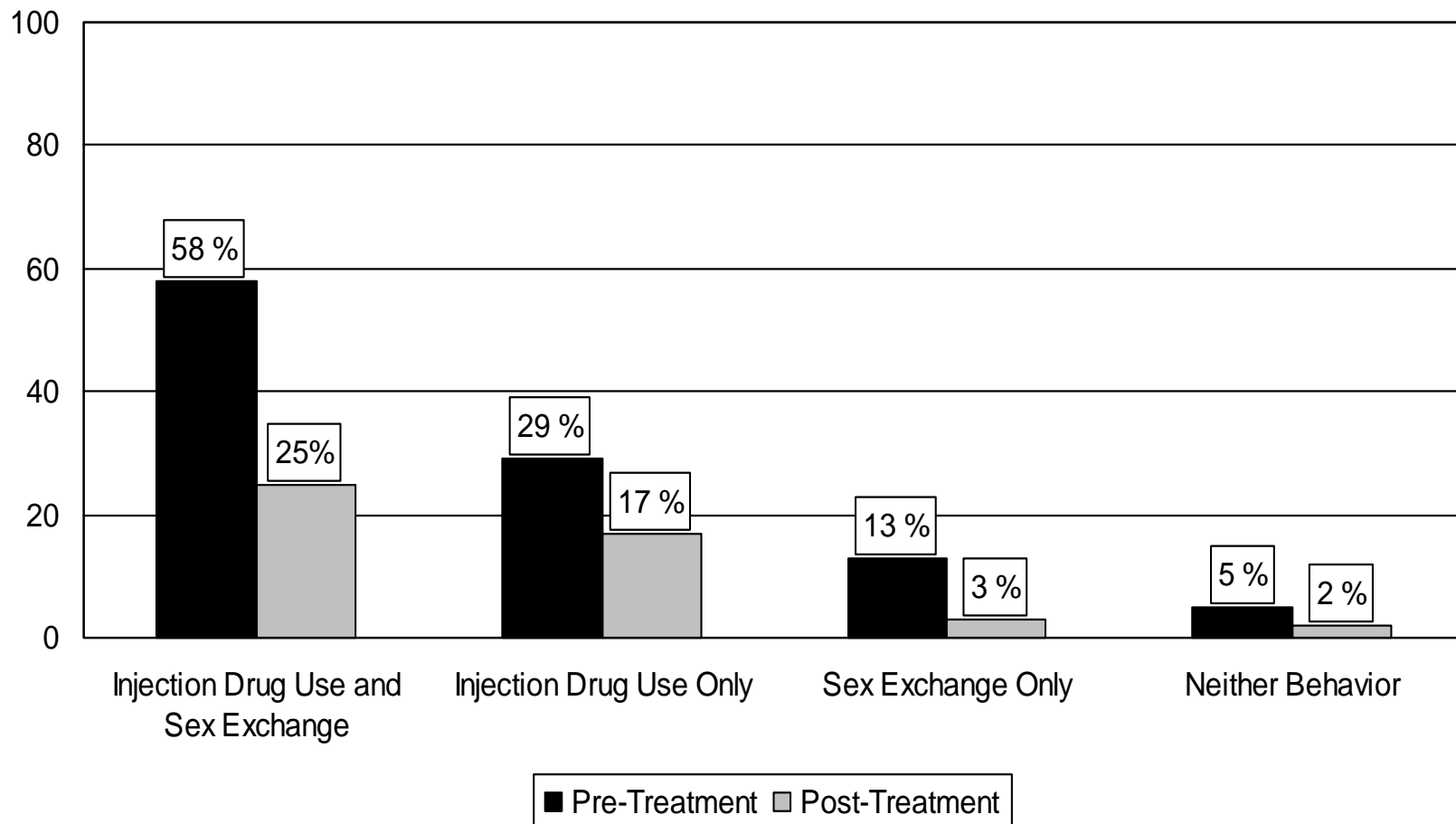
# Clients Reporting Needle Sharing by Risk Behavior Group



SOURCE: NTIES

Module 47, Slide 3, Page 21, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

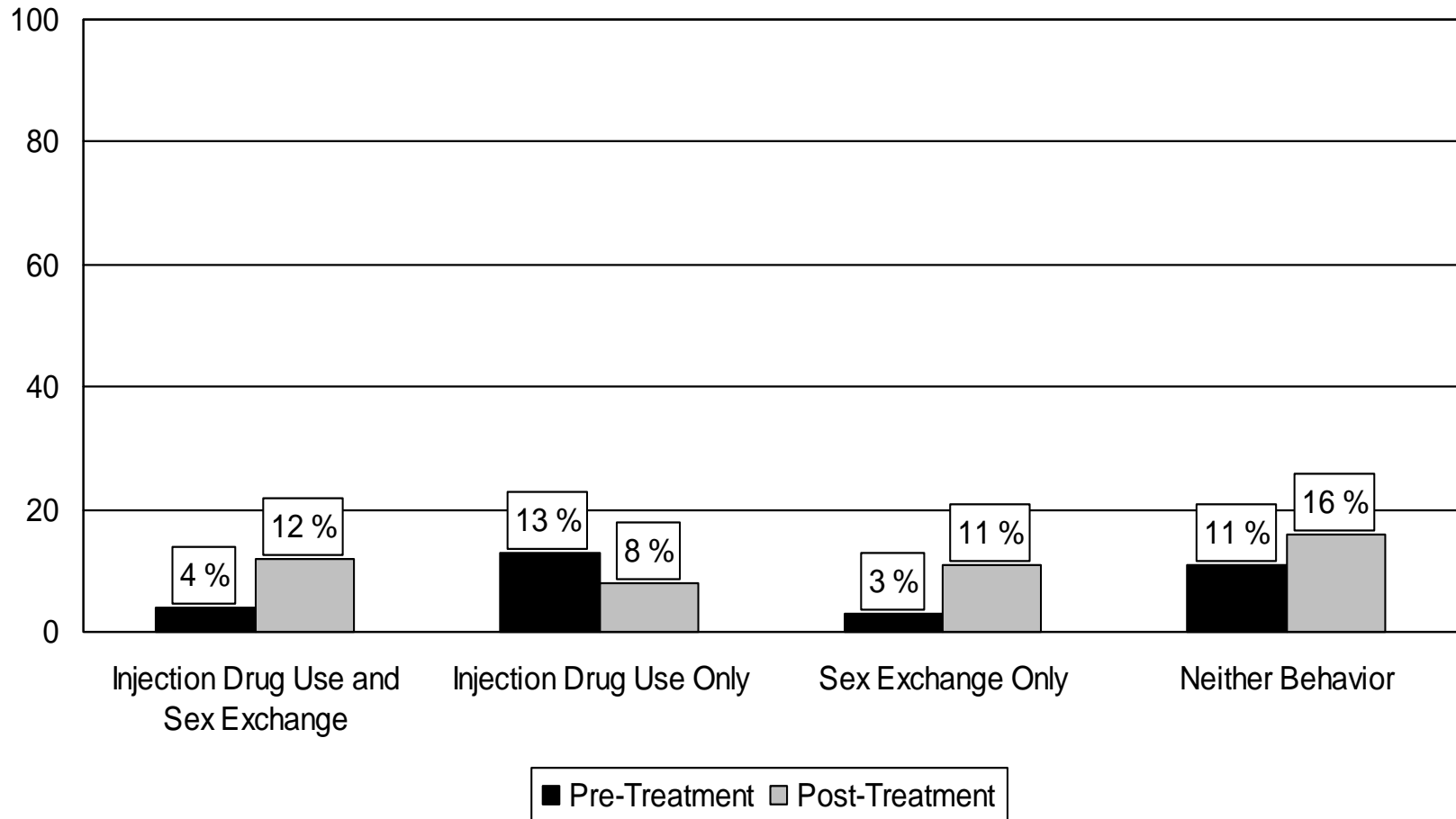
## Clients Reporting Sex With an Injection Drug User by Risk Behavior Group



SOURCE: NTIES

Module 47, Slide 4, Page 21, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

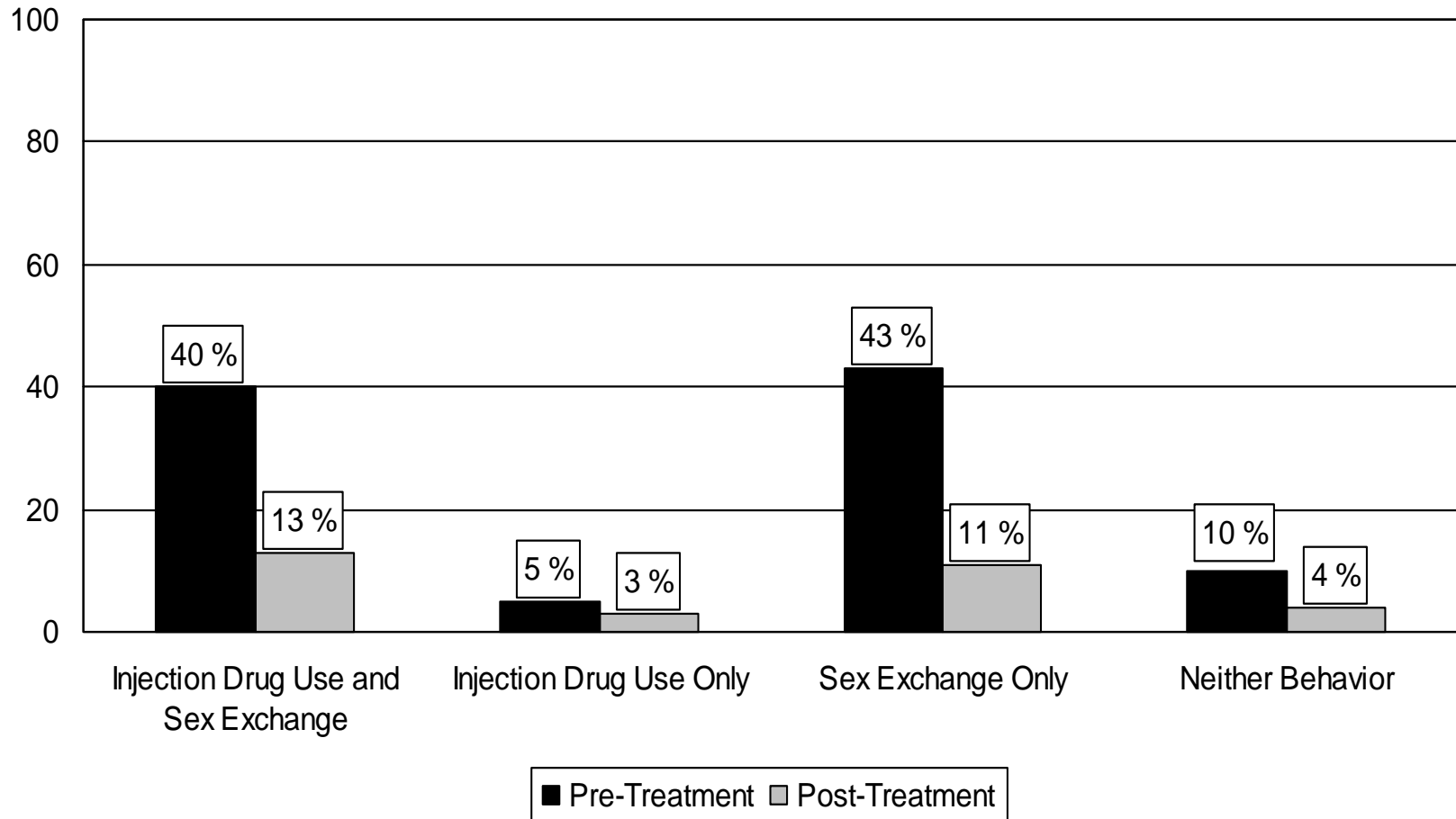
## Clients Reporting Sexual Abstinence by Risk Behavior Group



SOURCE: NTIES

Module 47, Slide 5, Page 21, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

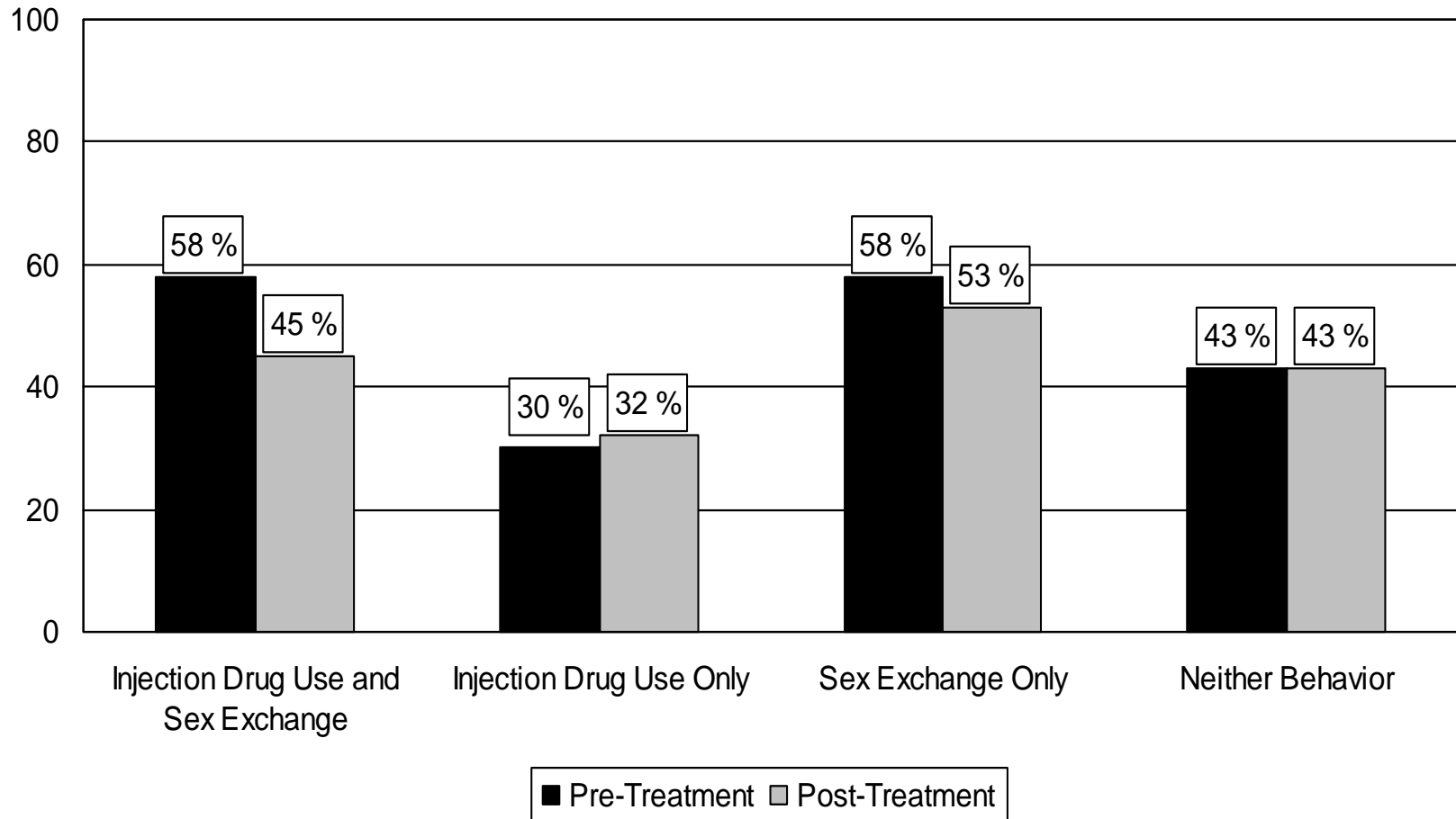
## Clients Reporting 10 or More Sexual Partners by Risk Behavior Group



SOURCE: NTIES

Module 47, Slide 6, Page 22, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

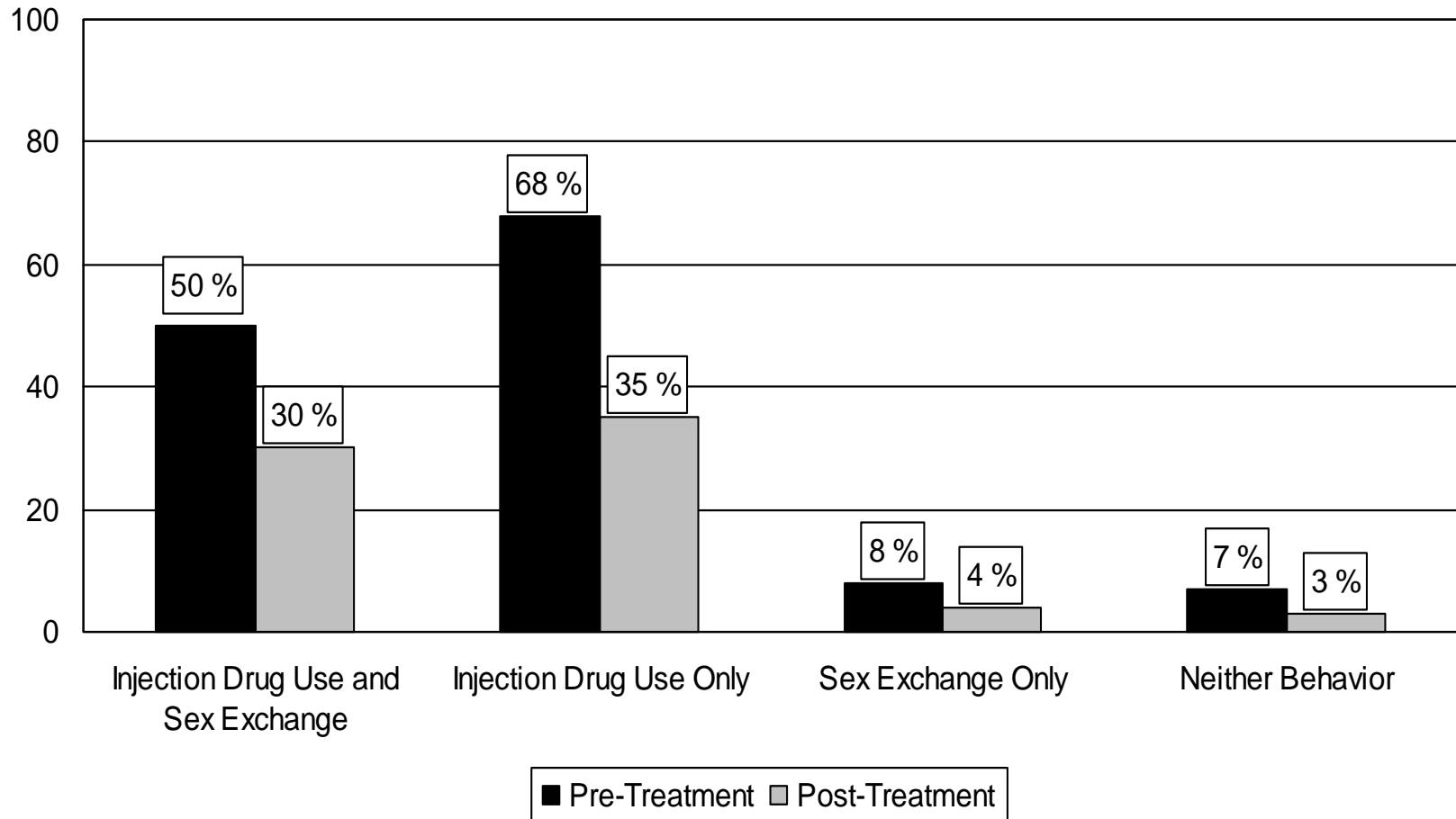
## Clients Who Used Condoms More Than Half the Time by Risk Behavior Group



SOURCE: NTIES

Module 47, Slide 7, Page 22, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

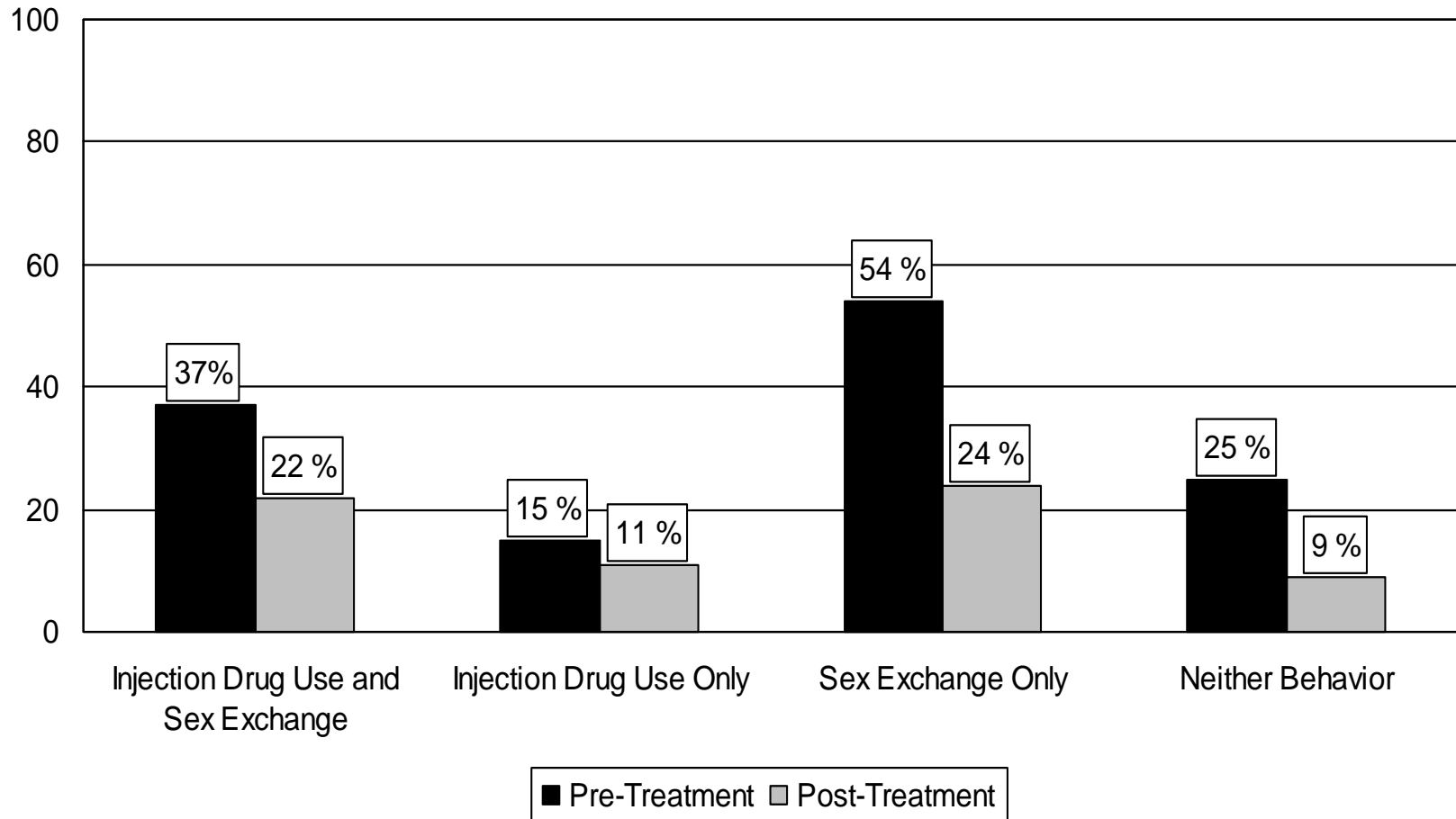
## Clients Reporting Past 30-day Heroin Use by Risk Behavior Group



SOURCE: NTIES

Module 47, Slide 8, Page 23, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

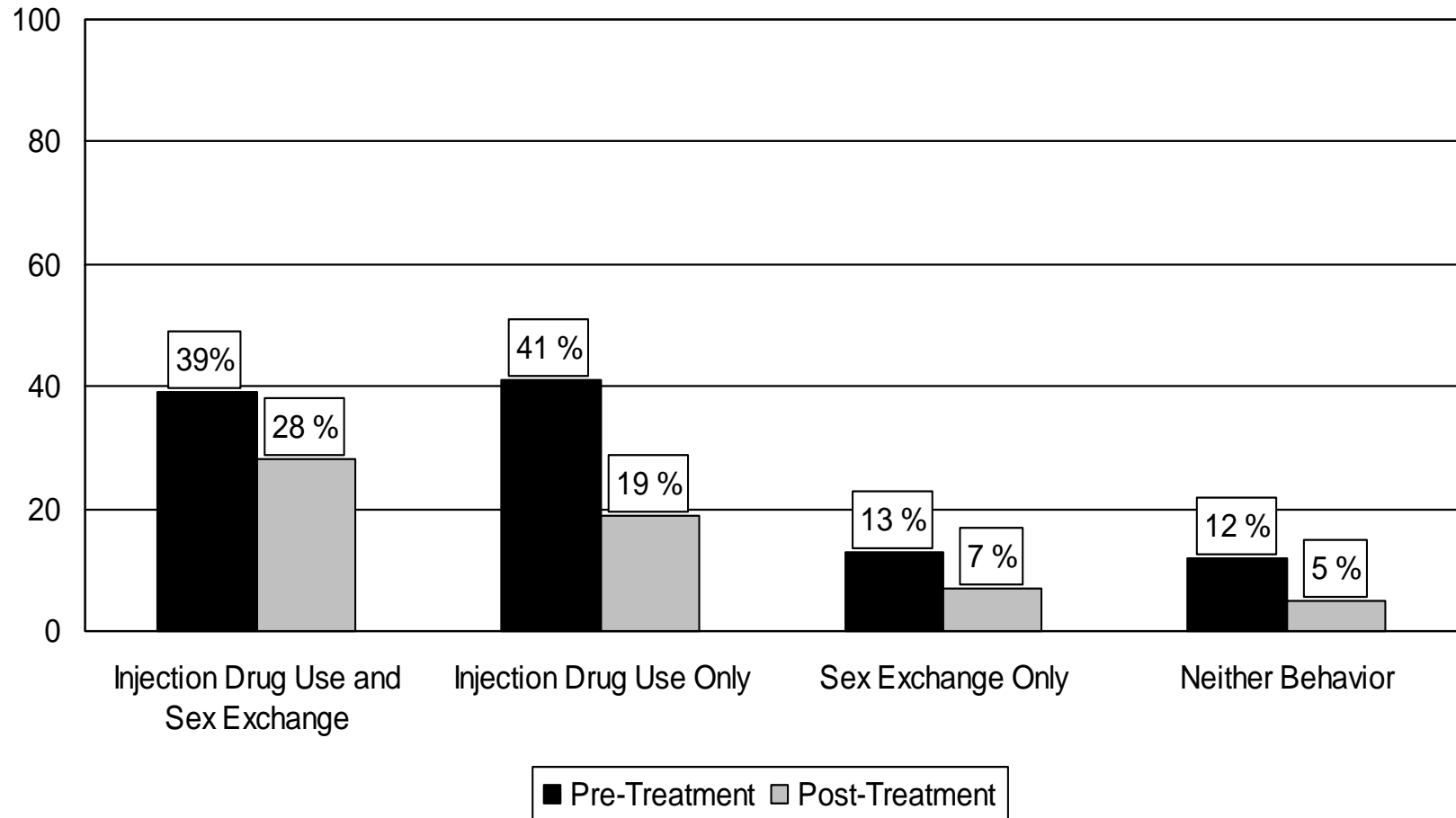
## Clients Reporting Past 30-day Crack Cocaine Use by Risk Behavior Group



SOURCE: NTIES

Module 47, Slide 9, Page 23, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

## Clients Reporting Past 30-day Cocaine Powder Use by Risk Behavior Group



SOURCE: NTIES

Module 47, Slide 10, Page 24, *The Effect of Substance Abuse Treatment on High Risk Behaviors in the National Treatment Improvement Evaluation Study (NTIES)*.

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