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Selection of Items for Composite Indices for the IMB Structural Equation Modeling: Empirical tests of an information-motivation-behavioral skills model of AIDS preventive behavior

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Selection of Items for Composite Indices for the IMB Structural Equation Modeling:

Information

- **Transmission Subscale [TR]**. For both gay men and university students, all 20 items which were administered were included in the index.
- **General Subscale [V6]**. For both gay men and university students, all 11 items which were administered were included in the index.
- **AIDS Risk Behavior Knowledge [ARBK or ABK]**. This was not administered to university students. For gay men, 43 or the 52 items administered were included in the index; 9 items were eliminated based on internal consistency analysis.

Motivation

- **Attitudes Toward AIDS Preventive Acts [ZACT]**. For gay men, 5 of the 11 items (each item is actually a composite of 3 bipolar ratings: good-bad, awful-nice, and pleasant-unpleasant) administered were included in the index. For university students, 6 of the 9 items (actually composites) administered were included in the index. Items pertaining to discussion of safer sex with one’s partners, condoms use, and practicing safer sex (e.g., refusal of unsafe sex, buying condoms) were retained. Items pertaining to obtaining an HIV blood test or asking partners to obtain HIV blood tests were eliminated because (a) very few university students had been tested or intended to be tested and (b) blood testing alone is ineffective as an AIDS-preventive measure, i.e., sexual partners must also practice safer sex during the window period and be mutually monogamous. Items pertaining to abstention were eliminated because (a) very few participants were abstinent or intended to be abstinent and (b) abstention is multidetermined, i.e., we believe that most of our sexually inactive participants were not abstinent for the sake of AIDS prevention.
- **Subjective Norms Regarding AIDS Preventive Acts [ZSN]**. For gay men, 5 of the 11 items administered were included in the index. For university students, 6 of the 9 items administered were included in the index. See “Attitudes Toward AIDS Preventive Acts,” above, for rationale for item selection.
- **Behavioral Intentions for AIDS Prevention [ZBI]**. For gay men, 5 of the 11 items administered were included in the index. For university students, 6 of the 9 items administered were included in the index. See “Attitudes Toward AIDS Preventive Acts,” above, for rationale for item selection.
Behavioral Skills

- **Perceived Effectiveness at AIDS Preventive Behavior [SK1].** For gay men, all 14 items which were administered were included in the index. For university students, all 8 items which were administered were included in the index.
- **Perceived Difficulty of AIDS Preventive Behavior [SK2].** For gay men, all 13 items which were administered were included in the index. For university students, all 14 items which were administered were included in the index.

Behavior

As with the Motivation indices (see “Attitudes Toward AIDS Preventive Acts,” above), items which pertained to discussion of safer sex with one’s partners, condom use, and practicing safer sex were retained, and items which pertained to obtaining an HIV blood test, asking partners to obtain HIV blood tests, or abstention were eliminated. In addition, (a) items pertaining to injection drug use were eliminated because of extremely low rates of such behavior in our samples and (b) items pertaining to numbers of partners for specific sexual acts were eliminated because they are very imprecise indicators of safeness in the absence of precise information regarding condom use with each partner, likely HIV status of each partner, and the level of frisk associated with a particular sexual act.

- **Discussion of Safer Sex with Partner at Time 1 [DCUS/DCS].** For both gay men (DCS) and university students (DCUS), this index was a composite of “discussed safer sex with new partners” and “convinced new partners to practice only safer sex.”
- **Condom Use at Time 1 [V5].** For both gay men and university students, this index was a single item “used rubbers during sexual intercourse.”
- **Practicing Safer Sex at Time 1 [SFR2/SF2].** For both gay men (SF2) and university students (SFR2), this index was a composite of “refused unsafe sex” and “done everything I need to do.”
- **Discussion of Safer Sex with Partner at Time 2 [DS2/Y1].** For gay men, this index (Y1) was a single item “talked about safer sex with new partners.” For university students, this index (DS2) was the same as at Time 1, above.
- **Condom Use at Time 2 [P6/Y2].** For gay men, this index (Y2) was composite of “used latex condoms for insertive anal sex” and “used latex condoms for receptive anal sex.” For university students (P6), this index was the same as at Time 1, above.
- **Practicing Safer Sex at Time 2 [SA2/Y3].** For gay men, this index (Y3) was a single item “done everything I need to do.” For university students, this index (SA2) was the same at Time 1, above.

MODEL TESTING ITEMS: GAY MEN

Information

ARBK:

Instructions: This is a true/false test. Please do not skip any questions. Because this is a test, some of the statements are true and accurate, while others are false and inaccurate. For each item below, circle True or False, depending on which is the correct answer.

True False 1. Most people who transmit the AIDS virus look unhealthy.
True False 3. A person can be exposed to the AIDS virus in one sexual contact.
True False 4. Keeping in good physical condition is the best way to prevent exposure to the AIDS virus.
True False 5. It is unwise to touch a person with AIDS.
True False 6. Condoms make intercourse completely safe.
True False 7. Showering after sex greatly reduces the transmission of AIDS.
True False 8. When people become sexually exclusive with one another, they no longer need to follow "safer sex" guidelines.
True False 9. Oral sex is safe if the partners "don't swallow".
True False 10. Most people who have been exposed to the AIDS virus quickly show symptoms of serious illness.
True False 11. By reducing the number of different sexual partners, you are effectively protected from AIDS.
True False 12. The AIDS virus does not penetrate unbroken skin.
True False 13. Female-to-male transmission of the AIDS virus has not been documented.
True False 14. Pre-ejaculatory fluids carry the AIDS virus.
True False 15. A person must have many different sexual partners to be at risk from AIDS.
True False 16. People carrying the AIDS virus generally feel quite ill.
True False 17. Vaginal intercourse carries high risk for AIDS virus transmission.
True False 18. Withdrawal immediately before orgasm makes intercourse safe.
True False 19. Persons who are exclusively heterosexual are not at risk from AIDS.
True False 20. Sharing kitchen utensils or a bathroom with a person with AIDS poses no risk.
True False 21. Intravenous drug users become exposed to the AIDS virus because the virus is often contained in heroin, amphetamines, and the injected drugs.
A wholesome diet and plenty of sleep will keep a person from becoming exposed to the AIDS virus.

A cure of AIDS is expected within the next two years.

It is more important to take precautions against AIDS in large cities than in small cities.

A negative result on the AIDS virus antibody test can occur even for people who carry the virus.

A positive result on the AIDS virus antibody test can occur even for people who do not carry the virus.

Coughing does not spread AIDS.

Only receptive (passive) anal intercourse transmits AIDS.

Most present cases of AIDS are due to blood transfusions that took place before 1984.

Most persons exposed to the AIDS virus know they are exposed.

A great deal is now known about how the AIDS virus is transmitted.

Donating blood carries no AIDS risk for the donor.

No cases of AIDS have ever been linked to social (dry) kissing.

Mutual masturbation and body rubbing are low in risk unless the partners have cuts or scratches.

The AIDS virus can be transmitted by mosquitoes or cockroaches.

You can help protect yourself from the AIDS virus if you always use latex condoms when having sex with someone whose HIV status is unknown to you (i.e., you don’t know if they have the AIDS virus).

You can help protect yourself from the AIDS virus if you don’t get fisted, and don’t fist anyone else.

You can help protect yourself from the AIDS virus if you don’t have insertive anal intercourse (your penis in someone else’s rectum).

You can help protect yourself from the AIDS virus if you use latex condoms treated with a spermicide.

You can help protect yourself from the AIDS virus if you use condoms made from lamb or other animal skin.

You can help protect yourself from the AIDS virus by using a latex condom when having sex with someone who might have the virus.

You can help protect yourself from the AIDS virus by not sucking your partner’s penis without a condom.

You can help protect yourself from the AIDS virus by not using Vaseline as a lubricant if you are using a latex condom.
Instructions: Tell whether you believe each of the following statements is true or false, and how sure you are of your answer, using the scale below.

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>True</td>
<td>True</td>
<td>Not Sure</td>
<td>False</td>
<td>False</td>
</tr>
<tr>
<td>(Very Sure)</td>
<td>(Somewhat Sure)</td>
<td>(Somewhat Sure)</td>
<td>(Very Sure)</td>
<td></td>
</tr>
</tbody>
</table>

1. If you kiss someone with AIDS, you will probably get the disease.  
2. A person is not very likely to get AIDS by sharing IV-drug needles with someone who has the virus.  
3. People can get AIDS by eating food that has been prepared by someone who has the disease.  
4. Many Lesbians have AIDS.  
5. It is very unlikely that a blood transfusion would give a person AIDS these days.  
6. AIDS was first identified by scientists in the early 1980's.  
7. It is unsafe to shake hands with somebody who has AIDS.  
8. Women can pass the AIDS virus to their male sex partners.  
9. A person can get AIDS by donating blood.  
10. Latex condoms (rubbers) can reduce the chance of passing the AIDS virus from one sex partner to the other.  
11. A pregnant woman who has AIDS can pass the disease to her unborn baby.  
12. AIDS is spread by mosquitoes.  
13. A person can be infected with the AIDS virus for five or more years without getting sick.  
14. Children who have AIDS can easily spread the disease to other children.  
15. It is unsafe to use drinking fountains or public toilets that might have been used by somebody who has AIDS.  
16. Household pets can spread the AIDS virus to people.  
17. There is very little AIDS among Blacks and Hispanics in this country.  
18. It is safe to share drinking glasses and eating utensils with people who have AIDS.

T = TRANS item  
V = VAR6 item
### Motivation

**ZAACT:**

1. Talking about safer sex with each new partner before having sex with them, during the next two months, would be:

   Circle one
   
<table>
<thead>
<tr>
<th>Very good</th>
<th>Somewhat good</th>
<th>Neither good nor bad</th>
<th>Somewhat bad</th>
<th>Very bad</th>
</tr>
</thead>
</table>

   Circle one
   
<table>
<thead>
<tr>
<th>Very awful</th>
<th>Somewhat awful</th>
<th>Neither awful nor nice</th>
<th>Somewhat nice</th>
<th>Very nice</th>
</tr>
</thead>
</table>

   Circle one
   
<table>
<thead>
<tr>
<th>Very pleasant</th>
<th>Somewhat pleasant</th>
<th>Neither pleasant nor unpleasant</th>
<th>Somewhat unpleasant</th>
<th>Very unpleasant</th>
</tr>
</thead>
</table>

2. Always using latex condoms during insertive anal sex during the next two months would be:

   Circle one
   
<table>
<thead>
<tr>
<th>Very good</th>
<th>Somewhat good</th>
<th>Neither good nor bad</th>
<th>Somewhat bad</th>
<th>Very bad</th>
</tr>
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   Circle one
   
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<th>Neither awful nor nice</th>
<th>Somewhat nice</th>
<th>Very nice</th>
</tr>
</thead>
</table>

   Circle one
   
<table>
<thead>
<tr>
<th>Very pleasant</th>
<th>Somewhat pleasant</th>
<th>Neither pleasant nor unpleasant</th>
<th>Somewhat unpleasant</th>
<th>Very unpleasant</th>
</tr>
</thead>
</table>
3. Always using latex condoms during receptive anal sex during the next two months would be:

<table>
<thead>
<tr>
<th></th>
<th>Somewhat</th>
<th>Neither</th>
<th>Somewhat</th>
<th>Very</th>
</tr>
</thead>
<tbody>
<tr>
<td>good</td>
<td>good</td>
<td>good</td>
<td>bad</td>
<td>bad</td>
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</tbody>
</table>

3. Always using latex condoms during receptive anal sex during the next two months would be:

<table>
<thead>
<tr>
<th></th>
<th>Somewhat</th>
<th>Neither</th>
<th>Somewhat</th>
<th>Very</th>
</tr>
</thead>
<tbody>
<tr>
<td>awful</td>
<td>awful</td>
<td>awful</td>
<td>nice</td>
<td>nice</td>
</tr>
</tbody>
</table>

3. Always using latex condoms during receptive anal sex during the next two months would be:

<table>
<thead>
<tr>
<th></th>
<th>Somewhat</th>
<th>Neither</th>
<th>Somewhat</th>
<th>Very</th>
</tr>
</thead>
<tbody>
<tr>
<td>pleasant</td>
<td>pleasant</td>
<td>pleasant</td>
<td>unpleasant</td>
<td>unpleasant</td>
</tr>
</tbody>
</table>

4. Always using latex condoms during receptive oral sex:

<table>
<thead>
<tr>
<th></th>
<th>Somewhat</th>
<th>Neither</th>
<th>Somewhat</th>
<th>Very</th>
</tr>
</thead>
<tbody>
<tr>
<td>good</td>
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<th>Very</th>
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<tbody>
<tr>
<td>awful</td>
<td>awful</td>
<td>awful</td>
<td>nice</td>
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<th>Very</th>
</tr>
</thead>
<tbody>
<tr>
<td>pleasant</td>
<td>pleasant</td>
<td>pleasant</td>
<td>unpleasant</td>
<td>unpleasant</td>
</tr>
</tbody>
</table>
5. Doing everything I need to do to avoid getting or transmitting HIV during the next two months would be:

<table>
<thead>
<tr>
<th>Circle one</th>
<th>Very good</th>
<th>Somewhat good</th>
<th>Neither good nor bad</th>
<th>Somewhat bad</th>
<th>Very bad</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very awful</td>
<td>Somewhat awful</td>
<td>Neither awful nor nice</td>
<td>Somewhat nice</td>
<td>Very nice</td>
<td></td>
</tr>
<tr>
<td>Very pleasant</td>
<td>Somewhat pleasant</td>
<td>Neither pleasant nor unpleasant</td>
<td>Somewhat unpleasant</td>
<td>Very unpleasant</td>
<td></td>
</tr>
</tbody>
</table>
ZSN:

1. Most people who are important to me think I should talk about safer sex with each new partner before having sex with them, during the next two months.

   Circle one
   
   Very true
   Somewhat true
   Neither true nor untrue
   Somewhat untrue
   Very untrue

2. Most people who are important to me think I should always use latex condoms during insertive anal sex during the next two months.

   Circle one
   
   Very true
   Somewhat true
   Neither true nor untrue
   Somewhat untrue
   Very untrue

3. Most people who are important to me think that latex condoms should always be used if I have receptive anal sex during the next two months.

   Circle one
   
   Very true
   Somewhat true
   Neither true nor untrue
   Somewhat untrue
   Very untrue

4. Most people who are important to me think latex condoms should always be used if I have receptive oral sex during the next two months.

   Circle one
   
   Very true
   Somewhat true
   Neither true nor untrue
   Somewhat untrue
   Very untrue

5. Most people who are important to me think I should do everything I need to do to avoid getting or transmitting HIV during the next two months.

   Circle one
   
   Very true
   Somewhat true
   Neither true nor untrue
   Somewhat untrue
   Very untrue
1. If I have sex during the next two months, I intend to talk about safer sex with each new partner before having sex with him (or her).

Circle one

| Very likely | Somewhat likely | Neither likely nor unlikely | Somewhat unlikely | Very unlikely |

2. If I have insertive anal sex during the next two months, I intend to always use latex condoms during this time.

Circle one

| Very likely | Somewhat likely | Neither likely nor unlikely | Somewhat unlikely | Very unlikely |

3. If I have receptive anal sex during the next two months I intend to see to it that latex condoms will always be used during that time.

Circle one

| Very likely | Somewhat likely | Neither likely nor unlikely | Somewhat unlikely | Very unlikely |

4. If I have receptive oral sex during the next two months, I intend to see to it that latex condoms will always be used during this time.

Circle one

| Very likely | Somewhat likely | Neither likely nor unlikely | Somewhat unlikely | Very unlikely |

5. I intend to do everything I need to do to avoid getting or transmitting HIV during the next two months.

Circle one

| Very likely | Somewhat likely | Neither likely nor unlikely | Somewhat unlikely | Very unlikely |
Skills

SK1SUM:

How effectively do you feel you could do each of the following things? Please circle your answer below.

1. Discuss safer sex (such as using latex condoms) with a partner before having sex with them.

<table>
<thead>
<tr>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively Nor Ineffectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>

2. Refuse to have unsafe sex with a sex partner. [Note: unsafe sex means (1) penis-in-rectum intercourse, no condom; (2) having semen ("cum") in your mouth; or (3) having penis-in-vagina intercourse, no condom. These are considered unsafe unless you know that both you and your partner have tested HIV negative, that you both practiced safer sex six months prior to the HIV test, and that you are both monogamous.]

<table>
<thead>
<tr>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively Nor Ineffectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>

3. Acquire whatever information I need to enable me to avoid getting AIDS, or to avoid giving it to someone else.

<table>
<thead>
<tr>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively Nor Ineffectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>

4. Convince a sex partner to practice only safer sex.

<table>
<thead>
<tr>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively Nor Ineffectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>

5. Convince a sex partner to get a blood test to check whether they have the AIDS virus.

<table>
<thead>
<tr>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively Nor Ineffectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>

6. Do everything I need to do in order to keep from getting AIDS, or giving it to someone else.

<table>
<thead>
<tr>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively Nor Ineffectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>

7. Convince a partner to let me use a condom.

| Very Effectively | Somewhat Effectively | Neither Effectively Nor Ineffectively | Somewhat Ineffectively | Very Ineffectively |
8. Plan ahead to be sure I always have condoms on hand whenever I have sex.

<table>
<thead>
<tr>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>

9. Convince a partner to use a condom.

<table>
<thead>
<tr>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>

10. Use a condom so it "feels good".

<table>
<thead>
<tr>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>

11. Make it fun (arousing) for my partner and me to have safer sex.

<table>
<thead>
<tr>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>

12. Persuade a partner to not have any anal intercourse at all.

<table>
<thead>
<tr>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>

13. Persuade a partner not to put his penis into my rectum.

<table>
<thead>
<tr>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>

14. Persuade a partner not to ask me to put my penis into his rectum.

<table>
<thead>
<tr>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>
How hard it would be for you to do each of the following with a new sexual partner? Please circle your answers below.

1. Ask how many sex partners he/she has had.
   - Very Hard To Do
   - Fairly Hard To Do
   - Fairly Easy To Do
   - Very Easy To Do

2. Discuss using a condom before having sex.
   - Very Hard To Do
   - Fairly Hard To Do
   - Fairly Easy To Do
   - Very Easy To Do

3. Ask if he/she has been exposed to HIV.
   - Very Hard To Do
   - Fairly Hard To Do
   - Fairly Easy To Do
   - Very Easy To Do

4. Ask him or her to be tested for HIV before having sex.
   - Very Hard To Do
   - Fairly Hard To Do
   - Fairly Easy To Do
   - Very Easy To Do

5. Agree to have sex with only that one person.
   - Very Hard To Do
   - Fairly Hard To Do
   - Fairly Easy To Do
   - Very Easy To Do

6. Ask him or her to have sex only with you.
   - Very Hard To Do
   - Fairly Hard To Do
   - Fairly Easy To Do
   - Very Easy To Do

   - Very Hard To Do
   - Fairly Hard To Do
   - Fairly Easy To Do
   - Very Easy To Do
8. Ask if he/she has ever shared IV needles.

<table>
<thead>
<tr>
<th>Very Hard</th>
<th>Fairly Hard</th>
<th>Fairly Easy</th>
<th>Very Easy</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
</tr>
</tbody>
</table>

9. Use a condom.

<table>
<thead>
<tr>
<th>Very Hard</th>
<th>Fairly Hard</th>
<th>Fairly Easy</th>
<th>Very Easy</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
</tr>
</tbody>
</table>

10. Avoid using drugs or alcohol if you think you might be having sex later.

<table>
<thead>
<tr>
<th>Very Hard</th>
<th>Fairly Hard</th>
<th>Fairly Easy</th>
<th>Very Easy</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
</tr>
</tbody>
</table>

11. Refuse to have sex with the person if he/she won’t use a condom.

<table>
<thead>
<tr>
<th>Very Hard</th>
<th>Fairly Hard</th>
<th>Fairly Easy</th>
<th>Very Easy</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
</tr>
</tbody>
</table>

12. If no condom is available, find another pleasurable activity (such as mutual masturbation) where a condom isn’t needed.

<table>
<thead>
<tr>
<th>Very Hard</th>
<th>Fairly Hard</th>
<th>Fairly Easy</th>
<th>Very Easy</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
</tr>
</tbody>
</table>

13. If no condom is available, stop sexual activity while you or your partner goes to get a condom.

<table>
<thead>
<tr>
<th>Very Hard</th>
<th>Fairly Hard</th>
<th>Fairly Easy</th>
<th>Very Easy</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
</tr>
</tbody>
</table>
Pre-Behaviors

DSCUS:

1. I have discussed safer sex with new sexual partners before having sex with them during the past year.

Circle one

Always Sometimes Never Not Applicable:
I have not had sex in the past year or have had no new partners.

2. I have tried to convince or persuade my sex partner(s) to practice only safer sex (such as always using condoms) during the past year.

Circle one

Always Sometimes Never Not Applicable:
I have not had sex in the past year. 
Not Applicable: My partner is HIV negative.

VAR5:

1. I have used latex condoms when I have had sexual intercourse during the past year.

Circle one

Always Sometimes Never Not Applicable:
I have not had sex in the past year. 
Not Applicable: Both I and my partner are HIV negative.
1. I have refused to have unsafe sex during the past year. [Note: unsafe sex means (1) penis-in-rectum intercourse, no condom; (2) having semen ("cum") in your mouth; or (3) having penis-in-vagina intercourse, no condom. These are considered unsafe unless you know that both you and your partner have tested HIV negative, that you both practiced safer sex six months prior to the HIV test, and that you are both monogomous.]

Circle one

Always  Sometimes  Never  Not Applicable:  Not Applicable:
I have not had sex  I have not been
in the past year.  asked to have
unsafe sex in
the past year.

2. I have done everything I need to do during the past year in order to avoid getting AIDS.

Circle one

Always  Sometimes  Never
DISCUSS:

1. During the past two months, I talked about safer sex with each new partner before having sex with them.

Circle One

Always 
Sometimes
Never

Not Applicable:
I have not had sex in the past two months or have had no new partners.

CONDONS:

1. If I had insertive anal sex during the past two months, I used latex condoms.

Circle One

Always 
Sometimes
Never

Not Applicable:
Both I and my insertive anal sex partner(s) were HIV negative.

2. If I had receptive anal sex during the past two months, my partner(s) used latex condoms.

Circle One

Always 
Sometimes
Never

Not Applicable:
Both I and my receptive anal sex partner(s) were HIV negative.

SAFER:

1. I have done everything I needed to do in order to avoid getting or transmitting HIV during the past two months.

Circle One

Always 
Sometimes
Never
MODEL TESTING ITEMS:
COLLEGE STUDENT MEN
**Instructions**: Tell whether you believe each of the following statements is true or false, and how sure you are of your answer, using the scale below.

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>True</td>
<td>True</td>
<td>Not Sure</td>
<td>False</td>
<td>False</td>
<td></td>
</tr>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. If you kiss someone with AIDS, you will probably get the disease.  
2. A person is not very likely to get AIDS by sharing IV-drug needles with someone who has the virus.  
3. People can get AIDS by eating food that has been prepared by someone who has the disease.  
4. Many Lesbians have AIDS.  
5. It is very unlikely that a blood transfusion would give a person AIDS these days.  
6. AIDS was first identified by scientists in the early 1980's.  
7. It is unsafe to shake hands with somebody who has AIDS.  
8. Women can pass the AIDS virus to their male sex partners.  
9. A person can get AIDS by donating blood.  
10. Latex condoms (rubbers) can reduce the chance of passing the AIDS virus from one sex partner to the other.  
11. A pregnant woman who has AIDS can pass the disease to her unborn baby.  
12. AIDS is spread by mosquitoes.  
13. A person can be infected with the AIDS virus for five or more years without getting sick.  
14. Children who have AIDS can easily spread the disease to other children.  
15. It is unsafe to use drinking fountains or public toilets that might have been used by somebody who has AIDS.  
16. Household pets can spread the AIDS virus to people.  
17. There is very little AIDS among Blacks and Hispanics in the country.  
18. It is safe to share drinking glasses and eating utensils with people who have AIDS.

T=TRUE item  
V=VAR6 item
Motivation

ZAAC:  

1. My talking about safer sex (how to keep from getting AIDS) with each new partner before having sex with them during the next two months would be:

<table>
<thead>
<tr>
<th>Circle one</th>
<th>Very good</th>
<th>Somewhat good</th>
<th>Neither good nor bad</th>
<th>Somewhat bad</th>
<th>Very bad</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Circle one</th>
<th>Very awful</th>
<th>Somewhat awful</th>
<th>Neither awful nor nice</th>
<th>Somewhat nice</th>
<th>Very nice</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Circle one</th>
<th>Very pleasant</th>
<th>Somewhat pleasant</th>
<th>Neither pleasant nor unpleasant</th>
<th>Somewhat unpleasant</th>
<th>Very unpleasant</th>
</tr>
</thead>
</table>

2. Trying to persuade my partner(s) to practice only safer sex (for example, to use rubbers) during the next two months would be:

<table>
<thead>
<tr>
<th>Circle one</th>
<th>Very good</th>
<th>Somewhat good</th>
<th>Neither good nor bad</th>
<th>Somewhat bad</th>
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</thead>
</table>

<table>
<thead>
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<th>Somewhat pleasant</th>
<th>Neither pleasant nor unpleasant</th>
<th>Somewhat unpleasant</th>
<th>Very unpleasant</th>
</tr>
</thead>
</table>
3. My buying rubbers during the next two months would be:

<table>
<thead>
<tr>
<th>Circle one</th>
<th>Somewhat</th>
<th>Neither good nor bad</th>
<th>Somewhat</th>
<th>Very bad</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very good</td>
<td>good</td>
<td>good</td>
<td>bad</td>
<td>bad</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Circle one</th>
<th>Somewhat</th>
<th>Neither awful nor nice</th>
<th>Somewhat</th>
<th>Very nice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very awful</td>
<td>awful</td>
<td>awful</td>
<td>nice</td>
<td>nice</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Circle one</th>
<th>Somewhat</th>
<th>Neither pleasant nor unpleasant</th>
<th>Somewhat</th>
<th>Very unpleasant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very pleasant</td>
<td>pleasant</td>
<td>pleasant</td>
<td>unpleasant</td>
<td>unpleasant</td>
</tr>
</tbody>
</table>
5. My always using rubbers during the next two months would be:

<table>
<thead>
<tr>
<th>Circle one</th>
<th>Very good</th>
<th>Somewhat good</th>
<th>Neither good nor bad</th>
<th>Somewhat bad</th>
<th>Very bad</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Circle one</th>
<th>Somewhat awful</th>
<th>Neither awful nor nice</th>
<th>Somewhat nice</th>
<th>Very nice</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Circle one</th>
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<th>Somewhat pleasant</th>
<th>Neither pleasant nor unpleasant</th>
<th>Somewhat unpleasant</th>
<th>Very unpleasant</th>
</tr>
</thead>
</table>

6. My refusing to have unsafe sex during the next two months would be:

<table>
<thead>
<tr>
<th>Circle one</th>
<th>Very good</th>
<th>Somewhat good</th>
<th>Neither good nor bad</th>
<th>Somewhat bad</th>
<th>Very bad</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Circle one</th>
<th>Somewhat awful</th>
<th>Neither awful nor nice</th>
<th>Somewhat nice</th>
<th>Very nice</th>
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</thead>
</table>

<table>
<thead>
<tr>
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<th>Somewhat pleasant</th>
<th>Neither pleasant nor unpleasant</th>
<th>Somewhat unpleasant</th>
<th>Very unpleasant</th>
</tr>
</thead>
</table>
1. Most people who are important to me think I should talk about safer sex with each new partner before having sex with them during the next two months.

Circle one

<table>
<thead>
<tr>
<th>Very true</th>
<th>Somewhat true</th>
<th>Neither true nor untrue</th>
<th>Somewhat untrue</th>
<th>Very untrue</th>
</tr>
</thead>
</table>

2. Most people who are important to me think I should try to persuade my partner(s) to practice only safer sex during the next two months.

Circle one

<table>
<thead>
<tr>
<th>Very true</th>
<th>Somewhat true</th>
<th>Neither true nor untrue</th>
<th>Somewhat untrue</th>
<th>Very untrue</th>
</tr>
</thead>
</table>

3. Most people who are important to me think I should buy rubbers during the next two months.

Circle one

<table>
<thead>
<tr>
<th>Very true</th>
<th>Somewhat true</th>
<th>Neither true nor untrue</th>
<th>Somewhat untrue</th>
<th>Very untrue</th>
</tr>
</thead>
</table>

4. Most people who are important to me think I should always carry rubbers in my wallet or always keep them somewhere close by during the next two months.

Circle one

<table>
<thead>
<tr>
<th>Very true</th>
<th>Somewhat true</th>
<th>Neither true nor untrue</th>
<th>Somewhat untrue</th>
<th>Very untrue</th>
</tr>
</thead>
</table>

5. Most people who are important to me think I should always use rubbers during the next two months.

Circle one

<table>
<thead>
<tr>
<th>Very true</th>
<th>Somewhat true</th>
<th>Neither true nor untrue</th>
<th>Somewhat untrue</th>
<th>Very untrue</th>
</tr>
</thead>
</table>
6. Most people who are important to me think I should refuse to have unsafe sex during the next two months.

**Circle one**

<table>
<thead>
<tr>
<th>Very true</th>
<th>Somewhat true</th>
<th>Neither true nor untrue</th>
<th>Somewhat untrue</th>
<th>Very untrue</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
1. If I have sex during the next two months, I intend to talk about safer sex with each new partner before having sex with them.

Very Likely Neither Somewhat Likely Nor Unlikely Somewhat Unlikely

2. If I have sex during the next two months, I intend to try to persuade my partner(s) to practice only safer sex.

Very Likely Neither Somewhat Likely Nor Unlikely Somewhat Unlikely

3. I intend to buy rubbers during the next two months.

Very Likely Neither Somewhat Likely Nor Unlikely Somewhat Unlikely

4. I intend to always carry rubbers in my wallet or to always keep them somewhere close by during the next two months.

Very Likely Neither Somewhat Likely Nor Unlikely Somewhat Unlikely

5. If I have sexual intercourse during the next two months, I intend to always use rubbers.

Circle one

Very true Neither Somewhat untrue
Likely true nor Somewhat untrue

6. If I have sex during the next two months, I intend to refuse to have unsafe sex.

Very Likely Neither Somewhat Likely Nor Unlikely Somewhat Unlikely
Skills

How effectively could you do each of the following things? Please Circle your answer below.

**SK1SUM:**

1. Discuss safer sex (such as using rubbers) with a partner before having sex with them.
   - **Very Effectively**
   - **Somewhat Effectively**
   - **Neither Effectively**
   - **Somewhat Ineffectively**
   - **Very Ineffectively**

2. Refuse to have unsafe sex with a sex partner. [Note: unsafe sex means (1) penis-in-vagina intercourse, no condom; (2) penis-in-rectum (behind), no condom; or (3) having semen ("cum") in your mouth. These are considered unsafe sex unless you and your partner have had negative AIDS blood tests.]
   - **Very Effectively**
   - **Somewhat Effectively**
   - **Neither Effectively**
   - **Somewhat Ineffectively**
   - **Very Ineffectively**

3. Acquire whatever information I need to enable me to avoid getting AIDS, or to avoid giving it to someone else.
   - **Very Effectively**
   - **Somewhat Effectively**
   - **Neither Effectively**
   - **Somewhat Ineffectively**
   - **Very Ineffectively**

4. Convince a sex partner to practice only safer sex.
   - **Very Effectively**
   - **Somewhat Effectively**
   - **Neither Effectively**
   - **Somewhat Ineffectively**
   - **Very Ineffectively**

5. Convince a sex partner to get a blood test to check whether they have the AIDS virus.
   - **Very Effectively**
   - **Somewhat Effectively**
   - **Neither Effectively**
   - **Somewhat Ineffectively**
   - **Very Ineffectively**

6. Do everything I need to do in order to keep from getting AIDS, or giving it to someone else.
   - **Very Effectively**
   - **Somewhat Effectively**
   - **Neither Effectively**
   - **Somewhat Ineffectively**
   - **Very Ineffectively**

7. Convince a partner to let me use a condom.
   - **Very Effectively**
   - **Somewhat Effectively**
   - **Neither Effectively**
   - **Somewhat Ineffectively**
   - **Very Ineffectively**
8. Plan ahead to be sure I always have condoms on hand whenever I have sex.

<table>
<thead>
<tr>
<th></th>
<th>Very Effectively</th>
<th>Somewhat Effectively</th>
<th>Neither Effectively Nor Ineffectively</th>
<th>Somewhat Ineffectively</th>
<th>Very Ineffectively</th>
</tr>
</thead>
</table>
Please circle how hard it would be for you to do each of the following with a new sexual partner.

1. Ask how many sex partners s/he has had.
   - Very Hard
   - Fairly Hard
   - Fairly Easy
   - Very Easy
   - To Do
   - To Do
   - To Do
   - To Do

2. Ask if s/he has ever had sex with another person of his/her own gender.
   - Very Hard
   - Fairly Hard
   - Fairly Easy
   - Very Easy
   - To Do
   - To Do
   - To Do
   - To Do

3. Discuss using a condom before having sex.
   - Very Hard
   - Fairly Hard
   - Fairly Easy
   - Very Easy
   - To Do
   - To Do
   - To Do
   - To Do

4. Ask if s/he has been exposed to HIV.
   - Very Hard
   - Fairly Hard
   - Fairly Easy
   - Very Easy
   - To Do
   - To Do
   - To Do
   - To Do

5. Ask him or her to be tested for HIV before having sex.
   - Very Hard
   - Fairly Hard
   - Fairly Easy
   - Very Easy
   - To Do
   - To Do
   - To Do
   - To Do

6. Agree to have sex with only that one person.
   - Very Hard
   - Fairly Hard
   - Fairly Easy
   - Very Easy
   - To Do
   - To Do
   - To Do
   - To Do

7. Ask him or her to have sex only with you.
   - Very Hard
   - Fairly Hard
   - Fairly Easy
   - Very Easy
   - To Do
   - To Do
   - To Do
   - To Do

8. Buy condoms.
   - Very Hard
   - Fairly Hard
   - Fairly Easy
   - Very Easy
   - To Do
   - To Do
   - To Do
   - To Do
9. Ask if s/he has ever shared IV needles.

<table>
<thead>
<tr>
<th></th>
<th>Very Hard</th>
<th>Fairly Hard</th>
<th>Fairly Easy</th>
<th>Very Easy</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
</tr>
</tbody>
</table>

10. Use a condom.

<table>
<thead>
<tr>
<th></th>
<th>Very Hard</th>
<th>Fairly Hard</th>
<th>Fairly Easy</th>
<th>Very Easy</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Do</td>
<td>To Do</td>
<td>Fairly Easy</td>
<td>To Do</td>
<td>To Do</td>
</tr>
</tbody>
</table>

11. Avoid using drugs or alcohol if you think you might be having sex later.

<table>
<thead>
<tr>
<th></th>
<th>Very Hard</th>
<th>Fairly Hard</th>
<th>Fairly Easy</th>
<th>Very Easy</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
</tr>
</tbody>
</table>

12. Refuse to have sex with the person if s/he won't use a condom.

<table>
<thead>
<tr>
<th></th>
<th>Very Hard</th>
<th>Fairly Hard</th>
<th>Fairly Easy</th>
<th>Very Easy</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
</tr>
</tbody>
</table>

13. If no condom is available, find another pleasurable activity (such as mutual masturbation) where a condom isn't needed.

<table>
<thead>
<tr>
<th></th>
<th>Very Hard</th>
<th>Fairly Hard</th>
<th>Fairly Easy</th>
<th>Very Easy</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
</tr>
</tbody>
</table>

14. If no condom is available, stop sexual activity while you or your partner go to get a condom.

<table>
<thead>
<tr>
<th></th>
<th>Very Hard</th>
<th>Fairly Hard</th>
<th>Fairly Easy</th>
<th>Very Easy</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
<td>To Do</td>
</tr>
</tbody>
</table>
Pre-Behaviors

**DSCUS:**

1. **I have discussed safer sex with new sexual partners before having sex with them during the past year.**

   *Circle one*

<table>
<thead>
<tr>
<th>Always</th>
<th>Sometimes</th>
<th>Never</th>
<th>Not Applicable:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Have not had sex</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>in the past year</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>or have</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>had no new</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>partners.</td>
</tr>
</tbody>
</table>

2. **I have tried to convince or persuade my sex partner(s) to practice only safer sex (such as always using condoms) during the past year.**

   *Circle one*

<table>
<thead>
<tr>
<th>Always</th>
<th>Sometimes</th>
<th>Never</th>
<th>Not Applicable:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td>Have not had sex</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>in the past year.</td>
</tr>
</tbody>
</table>

**VAR5:**

1. **I have used rubbers when I have had sexual intercourse during the past year.**

   *Circle one*

<table>
<thead>
<tr>
<th>Always</th>
<th>Sometimes</th>
<th>Never</th>
<th>Not Applicable:</th>
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<td></td>
<td>Have not had sex</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>in the past year.</td>
</tr>
</tbody>
</table>


1. I have refused to have unsafe sex during the past year. [Note: unsafe sex means (1) penis-in-vagina intercourse, no condom; (2) penis-in-rectum (behind) intercourse, no condom; or (3) having semen ("cum") in your mouth. These are considered unsafe sex unless you and your partner have had negative AIDS blood tests.]

Circle one

Always  Sometimes  Never  Not Applicable:

Have not had sex in the past year.

2. I have done everything I need to do in order to avoid getting AIDS during the past year.

Circle one

Always  Sometimes  Never
### DISCUSS:

1. During the past two months, I talked about safer sex with each new partner before having sex with them. (circle one)

<table>
<thead>
<tr>
<th>Always</th>
<th>Sometimes</th>
<th>Never</th>
<th>Not Applicable: have not had sex in the past two months or have had no new partners</th>
</tr>
</thead>
</table>

2. During the past two months, I tried to persuade my partner(s) to practice only safer sex. (circle one)

<table>
<thead>
<tr>
<th>Always</th>
<th>Sometimes</th>
<th>Never</th>
<th>Not Applicable: have not had sex in the past two months</th>
</tr>
</thead>
</table>

### POST):

1. If I had sexual intercourse during the past two months, I (my partner) used rubbers. (circle one)

<table>
<thead>
<tr>
<th>Always</th>
<th>Sometimes</th>
<th>Never</th>
<th>Not Applicable: have not had sex in the past two months</th>
</tr>
</thead>
</table>
SAFER:

1. If I had sex during the past two months, I refused to have unsafe sex [Note: unsafe sex means (1) penis-in-vagina intercourse, no condom; (2) penis-in-rectum (behind) intercourse, no condom; or (3) having semen ("cum") in your mouth. These are considered unsafe sex unless you and your partner have had negative AIDS blood tests.] (circle one)
   
   Not Applicable:
   Have not had sex in the past two months

2. I have done everything I needed to do in order to avoid getting AIDS during the past two months. (circle one)
   
   Not Applicable:
   Have not had sex or used injection drugs during the past two months