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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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Fisher, J. D., Fisher, W. A., Williams, S. S. & Malloy, T. E. (1994).

Empirical tests of an information--motivation--behavioral skills model of AIDS preventive behavior, Health Psychology, 13, 238-250.

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 of 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 abstinence were eliminated because (a) very few participants were abstinent or intended to be abstinent and (b) abstinence 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 risk 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 as at Time 1, above.

Fisher, J. D., & Fisher, W. A. (1992). Changing AIDS risk behavior. *Psychological Bulletin*, 111, 455-474.

Fisher, J. D., Fisher, W. A., Williams, S. S., & Malloy, T. E. (1994). Empirical tests of an Information--Motivation--Behavioral Skills model of AIDS preventive behavior. *Health Psychology*, 13, 238-250.

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 | 2. | Oral intercourse carries risk for AIDS virus transmission. |
| 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. |

- True False 22. A wholesome diet and plenty of sleep will keep a person from becoming exposed to the AIDS virus.
- True False 23. A cure of AIDS is expected within the next two years.
- True False 24. It is more important to take precautions against AIDS in large cities than in small cities.
- True False 25. A negative result on the AIDS virus antibody test can occur even for people who carry the virus.
- True False 26. A positive result on the AIDS virus antibody test can occur even for people who do not carry the virus.
- True False 27. Coughing does not spread AIDS.
- True False 28. Only receptive (passive) anal intercourse transmits AIDS.
- True False 29. Most present cases of AIDS are due to blood transfusions that took place before 1984.
- True False 30. Most persons exposed to the AIDS virus know they are exposed.
- True False 31. A great deal is now known about how the AIDS virus is transmitted.
- True False 32. Donating blood carries no AIDS risk for the donor.
- True False 33. No cases of AIDS have ever been linked to social (dry) kissing.
- True False 34. Mutual masturbation and body rubbing are low in risk unless the partners have cuts or scratches.
- True False 35. The AIDS virus can be transmitted by mosquitoes or cockroaches.
- True False 36. 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).
- True False 37. You can help protect yourself from the AIDS virus if you don't get fisted, and don't fist anyone else.
- True False 38. You can help protect yourself from the AIDS virus if you don't have insertive anal intercourse (your penis in someone else's rectum).
- True False 39. You can help protect yourself from the AIDS virus if you use latex condoms treated with a spermicide.
- True False 40. You can help protect yourself from the AIDS virus if you use condoms made from lamb or other animal skin.
- True False 41. You can help protect yourself from the AIDS virus by using a latex condom when having sex with someone who might have the virus.
- True False 42. You can help protect yourself from the AIDS virus by not sucking your partner's penis without a condom.
- True False 43. 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.

| | | | | |
|-------------|-----------------|-----------------|-----------------|--------------|
| 1 | 2 | 3 | 4 | 5 |
| True | True | Not Sure | False | False |
| (Very Sure) | (Somewhat Sure) | | (Somewhat Sure) | (Very Sure) |

- | | |
|--|---|
| <p><u> T </u> If you kiss someone with AIDS, you will probably get the disease.</p> <p><u> T </u> A person is not very likely to get AIDS by sharing IV-drug needles with someone who has the virus.</p> <p><u> T </u> People can get AIDS by eating food that has been prepared by someone who has the disease.</p> <p><u> V </u> Many Lesbians have AIDS.</p> <p><u> T </u> It is very unlikely that a blood transfusion would give a person AIDS these days.</p> <p><u> V </u> AIDS was first identified by scientists in the early 1980's.</p> <p><u> T </u> It is unsafe to shake hands with somebody who has AIDS.</p> <p><u> T </u> Women can pass the AIDS virus to their male sex partners.</p> <p><u> T </u> A person can get AIDS by donating blood.</p> <p><u> T </u> Latex condoms (rubbers) can reduce the chance of passing the AIDS virus from one sex partner to the other.</p> <p><u> T </u> A pregnant woman who has AIDS can pass the disease to her unborn baby.</p> <p><u> T </u> AIDS is spread by mosquitoes.</p> <p><u> V </u> A person can be infected with the AIDS virus for five or more years without getting sick.</p> <p><u> T </u> Children who have AIDS can easily spread the disease to other children.</p> <p><u> T </u> It is unsafe to use drinking fountains or public toilets that might have been used by somebody who has AIDS.</p> <p><u> T </u> Household pets can spread the AIDS virus to people.</p> <p><u> V </u> There is very little AIDS among Blacks and Hispanics in this country.</p> <p><u> T </u> It is safe to share drinking glasses and eating utensils with people who have AIDS.</p> | <p><u> T </u> A person is less likely to get infected with the AIDS virus through oral sex than through sexual intercourse.</p> <p><u> T </u> There are no cases of people getting AIDS from contact with saliva.</p> <p><u> T </u> More of the AIDS virus is found in blood and semen than in other body fluids.</p> <p><u> T </u> The AIDS virus is not spread by sneezing or coughing.</p> <p><u> T </u> Breast milk can pass the AIDS virus from a mother to her infant.</p> <p><u> V </u> Everyone who is infected with the AIDS virus has some visible symptoms.</p> <p><u> V </u> It is estimated that more than one million Americans are currently infected with the AIDS virus.</p> <p><u> T </u> The AIDS virus is easily killed by ordinary bleach or detergent.</p> <p><u> V </u> Nearly all persons who get AIDS die within one year of being diagnosed.</p> <p><u> V </u> AIDS-related complex (ARC) is caused by the same virus that causes AIDS.</p> <p><u> V </u> In addition to damaging the immune system, the AIDS virus may also attack the brain.</p> <p><u> V </u> Many health-care workers have become infected as a result of treating AIDS patients.</p> <p><u> V </u> In some parts of the world, AIDS is found mostly among heterosexual (straight) men and women.</p> |
|--|---|

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

Very
good

Somewhat
good

Neither
good nor
bad

Somewhat
bad

Very
bad

Circle one

Very
awful

Somewhat
awful

Neither
awful nor
nice

Somewhat
nice

Very
nice

Circle one

Very
pleasant

Somewhat
pleasant

Neither
pleasant nor
unpleasant

Somewhat
unpleasant

Very
unpleasant

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

Circle one

Very
good

Somewhat
good

Neither
good nor
bad

Somewhat
bad

Very
bad

Circle one

Very
awful

Somewhat
awful

Neither
awful nor
nice

Somewhat
nice

Very
nice

Circle one

Very
pleasant

Somewhat
pleasant

Neither
pleasant nor
unpleasant

Somewhat
unpleasant

Very
unpleasant

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

Circle one

| | | | | |
|-----------|---------------|----------------------|--------------|----------|
| Very good | Somewhat good | Neither good nor bad | Somewhat bad | Very bad |
|-----------|---------------|----------------------|--------------|----------|

Circle one

| | | | | |
|------------|----------------|------------------------|---------------|-----------|
| Very awful | Somewhat awful | Neither awful nor nice | Somewhat nice | Very nice |
|------------|----------------|------------------------|---------------|-----------|

Circle one

| | | | | |
|---------------|-------------------|---------------------------------|---------------------|-----------------|
| Very pleasant | Somewhat pleasant | Neither pleasant nor unpleasant | Somewhat unpleasant | Very unpleasant |
|---------------|-------------------|---------------------------------|---------------------|-----------------|

4. Always using latex condoms during receptive oral sex:

Circle one

| | | | | |
|-----------|---------------|----------------------|--------------|----------|
| Very good | Somewhat good | Neither good nor bad | Somewhat bad | Very bad |
|-----------|---------------|----------------------|--------------|----------|

Circle one

| | | | | |
|------------|----------------|------------------------|---------------|-----------|
| Very awful | Somewhat awful | Neither awful nor nice | Somewhat nice | Very nice |
|------------|----------------|------------------------|---------------|-----------|

Circle one

| | | | | |
|---------------|-------------------|---------------------------------|---------------------|-----------------|
| Very pleasant | Somewhat pleasant | Neither pleasant nor unpleasant | Somewhat unpleasant | Very unpleasant |
|---------------|-------------------|---------------------------------|---------------------|-----------------|

5. Doing everything I need to do to avoid getting or transmitting HIV during the next two months would be:

Circle one

Very
good

Somewhat
good

Neither
good nor
bad

Somewhat
bad

Very
bad

Circle one

Very
awful

Somewhat
awful

Neither
awful nor
nice

Somewhat
nice

Very
nice

Circle one

Very
pleasant

Somewhat
pleasant

Neither
pleasant nor
unpleasant

Somewhat
unpleasant

Very
unpleasant

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 |
|--------------|------------------|-------------------------------|--------------------|----------------|

ZBI:

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.

| | | | | |
|---------------------|-------------------------|--|---------------------------|-----------------------|
| Very Effectively | Somewhat Effectively | Neither Effectively Nor Ineffectively | Somewhat Ineffectively | Very Ineffectively |
|---------------------|-------------------------|--|---------------------------|-----------------------|

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.]

| | | | | |
|---------------------|-------------------------|--|---------------------------|-----------------------|
| Very Effectively | Somewhat Effectively | Neither Effectively Nor Ineffectively | 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 Nor Ineffectively | Somewhat Ineffectively | Very Ineffectively |
|---------------------|-------------------------|--|---------------------------|-----------------------|

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

| | | | | |
|---------------------|-------------------------|--|---------------------------|-----------------------|
| Very Effectively | Somewhat Effectively | Neither Effectively Nor Ineffectively | 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 Nor Ineffectively | 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 Nor Ineffectively | Somewhat Ineffectively | Very Ineffectively |
|---------------------|-------------------------|--|---------------------------|-----------------------|

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.
- | | | | | |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|
| Very Effectively | Somewhat Effectively | Neither Effectively Nor Ineffectively | Somewhat Ineffectively | Very Ineffectively |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|
9. Convince a partner to use a condom.
- | | | | | |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|
| Very Effectively | Somewhat Effectively | Neither Effectively Nor Ineffectively | Somewhat Ineffectively | Very Ineffectively |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|
10. Use a condom so it "feels good".
- | | | | | |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|
| Very Effectively | Somewhat Effectively | Neither Effectively Nor Ineffectively | Somewhat Ineffectively | Very Ineffectively |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|
11. Make it fun (arousing) for my partner and me to have safer sex.
- | | | | | |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|
| Very Effectively | Somewhat Effectively | Neither Effectively Nor Ineffectively | Somewhat Ineffectively | Very Ineffectively |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|
12. Persuade a partner to not have any anal intercourse at all.
- | | | | | |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|
| Very Effectively | Somewhat Effectively | Neither Effectively Nor Ineffectively | Somewhat Ineffectively | Very Ineffectively |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|
13. Persuade a partner not to put his penis into my rectum.
- | | | | | |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|
| Very Effectively | Somewhat Effectively | Neither Effectively Nor Ineffectively | Somewhat Ineffectively | Very Ineffectively |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|
14. Persuade a partner not to ask me to put my penis into his rectum.
- | | | | | |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|
| Very Effectively | Somewhat Effectively | Neither Effectively Nor Ineffectively | Somewhat Ineffectively | Very Ineffectively |
|------------------|----------------------|---------------------------------------|------------------------|--------------------|

SK2SUM:

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

7. Buy condoms.

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.

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

9. Use a condom.

Very Hard
To Do

Fairly Hard
To Do

• Fairly Easy
To Do

Very Easy
To Do

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

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

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

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

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

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

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

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

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. |
|--------|-----------|-------|--|--|

SFR2:

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 monogamous.]

Circle one

Always

Sometimes

Never

Not Applicable:
I have not had sex
in the past year.Not Applicable:
I have not been
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

—

Post Behaviors

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

CONDOMS:

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

Circle One

Always

Sometimes

Never

Not Applicable:

I have not had
insertive anal sex
in the past two months

Not Applicable:

Both I and my
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:

I have not had
receptive anal sex
in the past two months

Not Applicable:

Both I and my
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.

| | | | | |
|-------------|-----------------|-----------------|-----------------|--------------|
| 1 | 2 | 3 | 4 | 5 |
| True | True | Not Sure | False | False |
| (Very Sure) | (Somewhat Sure) | | (Somewhat Sure) | (Very Sure) |

- | | |
|--|--|
| <p><u> </u> <u> </u> <u> </u> If you kiss someone with AIDS, you will probably get the disease.</p> <p><u> </u> <u> </u> <u> </u> A person is not very likely to get AIDS by sharing IV-drug needles with someone who has the virus.</p> <p><u> </u> <u> </u> <u> </u> People can get AIDS by eating food that has been prepared by someone who has the disease.</p> <p><u> </u> <u> </u> <u> </u> Many Lesbians have AIDS.</p> <p><u> </u> <u> </u> <u> </u> It is very unlikely that a blood transfusion would give a person AIDS these days.</p> <p><u> </u> <u> </u> <u> </u> AIDS was first identified by scientists in the early 1980's.</p> <p><u> </u> <u> </u> <u> </u> It is unsafe to shake hands with somebody who has AIDS.</p> <p><u> </u> <u> </u> <u> </u> Women can pass the AIDS virus to their male sex partners.</p> <p><u> </u> <u> </u> <u> </u> A person can get AIDS by donating blood.</p> <p><u> </u> <u> </u> <u> </u> Latex condoms (rubbers) can reduce the chance of passing the AIDS virus from one sex partner to the other.</p> <p><u> </u> <u> </u> <u> </u> A pregnant woman who has AIDS can pass the disease to her unborn baby.</p> <p><u> </u> <u> </u> <u> </u> AIDS is spread by mosquitoes.</p> <p><u> </u> <u> </u> <u> </u> A person can be infected with the AIDS virus for five or more years without getting sick.</p> <p><u> </u> <u> </u> <u> </u> Children who have AIDS can easily spread the disease to other children.</p> <p><u> </u> <u> </u> <u> </u> It is unsafe to use drinking fountains or public toilets that might have been used by somebody who has AIDS.</p> <p><u> </u> <u> </u> <u> </u> Household pets can spread the AIDS virus to people.</p> <p><u> </u> <u> </u> <u> </u> There is very little AIDS among Blacks and Hispanics in this country.</p> <p><u> </u> <u> </u> <u> </u> It is safe to share drinking glasses and eating utensils with people who have AIDS.</p> | <p><u> </u> <u> </u> <u> </u> A person is less likely to get infected with the AIDS virus through oral sex than through sexual intercourse.</p> <p><u> </u> <u> </u> <u> </u> There are no cases of people getting AIDS from contact with saliva.</p> <p><u> </u> <u> </u> <u> </u> More of the AIDS virus is found in blood and semen than in other body fluids.</p> <p><u> </u> <u> </u> <u> </u> The AIDS virus is not spread by sneezing or coughing.</p> <p><u> </u> <u> </u> <u> </u> Breast milk can pass the AIDS virus from a mother to her infant.</p> <p><u> </u> <u> </u> <u> </u> Everyone who is infected with the AIDS virus has some visible symptoms.</p> <p><u> </u> <u> </u> <u> </u> It is estimated that more than one million Americans are currently infected with the AIDS virus.</p> <p><u> </u> <u> </u> <u> </u> The AIDS virus is easily killed by ordinary bleach or detergent.</p> <p><u> </u> <u> </u> <u> </u> Nearly all persons who get AIDS die within one year of being diagnosed.</p> <p><u> </u> <u> </u> <u> </u> AIDS-related complex (ARC) is caused by the same virus that causes AIDS.</p> <p><u> </u> <u> </u> <u> </u> In addition to damaging the immune system, the AIDS virus may also attack the brain.</p> <p><u> </u> <u> </u> <u> </u> Many health-care workers have become infected as a result of treating AIDS patients.</p> <p><u> </u> <u> </u> <u> </u> In some parts of the world, AIDS is found mostly among heterosexual (straight) men and women.</p> |
|--|--|

T=TRANS item
V=VAR6 item

ZAACT:

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:

Circle oneVery
goodSomewhat
goodNeither
good nor
badSomewhat
badVery
badCircle oneVery
awfulSomewhat
awfulNeither
awful nor
niceSomewhat
niceVery
niceCircle oneVery
pleasantSomewhat
pleasantNeither
pleasant nor
unpleasantSomewhat
unpleasantVery
unpleasant

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

Circle oneVery
goodSomewhat
goodNeither
good nor
badSomewhat
badVery
badCircle oneVery
awfulSomewhat
awfulNeither
awful nor
niceSomewhat
niceVery
niceCircle oneVery
pleasantSomewhat
pleasantNeither
pleasant nor
unpleasantSomewhat
unpleasantVery
unpleasant

3. My buying rubbers during the next two months would be:

Circle one

Very
good

Somewhat
good

Neither
good nor
bad

Somewhat
bad

Very
bad

Circle one

Very
awful

Somewhat
awful

Neither
awful nor
nice

Somewhat
nice

Very
nice

Circle one

Very
pleasant

Somewhat
pleasant

Neither
pleasant nor
unpleasant

Somewhat
unpleasant

Very
unpleasant

4. Always carrying rubbers in my wallet or always keeping them somewhere close by during the next two months would be:

Circle one

Very
good

Somewhat
good

Neither
good nor
bad

Somewhat
bad

Very
bad

Circle one

Very
awful

Somewhat
awful

Neither
awful nor
nice

Somewhat
nice

Very
nice

Circle one

Very
pleasant

Somewhat
pleasant

Neither
pleasant nor
unpleasant

Somewhat
unpleasant

Very
unpleasant

5. My always using rubbers during the next two months would be:

Circle one

Very
good

Somewhat
good

Neither
good nor
bad

Somewhat
bad

Very
bad

Circle one

Very
awful

Somewhat
awful

Neither
awful nor
nice

Somewhat
nice

Very
nice

Circle one

Very
pleasant

Somewhat
pleasant

Neither
pleasant nor
unpleasant

Somewhat
unpleasant

Very
unpleasant

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

Circle one

Very
good

Somewhat
good

Neither
good nor
bad

Somewhat
bad

Very
bad

Circle one

Very
awful

Somewhat
awful

Neither
awful nor
nice

Somewhat
nice

Very
nice

Circle one

Very
pleasant

Somewhat
pleasant

Neither
pleasant nor
unpleasant

Somewhat
unpleasant

Very
unpleasant

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 try to persuade my partner(s) to practice only safer 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 I should buy rubbers 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 I should always carry rubbers in my wallet or always keep them somewhere close by 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 always use rubbers during the next two months.

Circle one

| | | | | |
|--------------|------------------|-------------------------------|--------------------|----------------|
| Very true | Somewhat true | Neither true nor untrue | Somewhat untrue | Very untrue |
|--------------|------------------|-------------------------------|--------------------|----------------|

6. Most people who are important to me think I should refuse to have unsafe sex during the next two months.

Circle one

Very
true

Somewhat
true

Neither
true nor
untrue

Somewhat
untrue

Very
untrue

ZBI:

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 | Somewhat Likely | Neither Likely Nor Unlikely | Somewhat Unlikely | Very 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 | Somewhat Likely | Neither Likely Nor Unlikely | Somewhat Unlikely | Very Unlikely |
|----------------|--------------------|-----------------------------------|----------------------|------------------|

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

| | | | | |
|----------------|--------------------|-----------------------------------|----------------------|------------------|
| Very Likely | Somewhat Likely | Neither Likely Nor Unlikely | Somewhat Unlikely | Very 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 | Somewhat Likely | Neither Likely Nor Unlikely | Somewhat Unlikely | Very Unlikely |
|----------------|--------------------|-----------------------------------|----------------------|------------------|

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

Circle one

| | | | | |
|--------------|------------------|-------------------------------|--------------------|----------------|
| Very true | Somewhat true | Neither true nor untrue | Somewhat untrue | Very untrue |
|--------------|------------------|-------------------------------|--------------------|----------------|

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

| | | | | |
|----------------|--------------------|-----------------------------------|----------------------|------------------|
| Very Likely | Somewhat Likely | Neither Likely Nor Unlikely | Somewhat Unlikely | Very 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 Nor Ineffectively | 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 Nor Ineffectively | 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 Nor Ineffectively | Somewhat Ineffectively | Very Ineffectively |
|---------------------|-------------------------|--|---------------------------|-----------------------|

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

| | | | | |
|---------------------|-------------------------|--|---------------------------|-----------------------|
| Very Effectively | Somewhat Effectively | Neither Effectively Nor Ineffectively | 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 Nor Ineffectively | 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 Nor Ineffectively | Somewhat Ineffectively | Very Ineffectively |
|---------------------|-------------------------|--|---------------------------|-----------------------|

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.

Very
Effectively

Somewhat
Effectively

Neither Effectively
Nor Ineffectively

Somewhat
Ineffectively

Very
Ineffectively

SK2SUM:

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
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

2. Ask if s/he has ever had sex with another person of his/her own gender.

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

3. Discuss using a condom before having sex.

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

4. Ask if s/he has been exposed to HIV.

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

5. 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

6. 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

7. 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

8. Buy condoms.

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

9. Ask if s/he has ever shared IV needles.

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

10. Use a condom.

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

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

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

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

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

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

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

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

Very Hard
To Do

Fairly Hard
To Do

Fairly Easy
To Do

Very Easy
To Do

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:
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:
Have not had sex
in the past year.

VAR5:

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

Circle one

Always

Sometimes

Never

Not Applicable:
Have not had sex
in the past year.

SFR2:

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

Post Behaviors

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:
Have not had sex
in the past two months
or have had no new
partners

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

Always

Sometimes

Never

Not Applicable:
Have not had sex
in the past two months

POST6:

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

Always

Sometimes

Never

Not Applicable:
Have not had sex
in the past two months

SAFER2:

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)

Always

Sometimes

Never

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)

Always

Sometimes

Never

Not Applicable:
Have not had sex
or used injection
drugs during the
past two months