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PREDICTORS OF COMPLIANCE

OF

AIDS PATIENTS

ON

PROTEASE INHIBITORS

BY,

TINA GURSAHANI.

A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE

REQUIREMENTS FOR THE DEGREE OF

MASTER OF SCIENCE

IN

PHARMACY ADMINISTRATION

UNIVERSITY OF RHODE ISLAND

MASTER OF SCIENCE THESIS

OF

TINA GURSAHANI

APPROVED:

Thesis Committee

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Major Professor Cypithia ne Willy roman A. Campbell MA DEAN OF THE GRADUATE SCHOOL

UNIVERSITY OF RHODE ISLAND

ABSTRACT

Compliance with Protease Inhibitors therapy is a very significant problem because noncompliant patients may develop resistance. The factors associated with compliance were examined in an HIV infected population (n=73) who were currently being prescribed a Protease Inhibitor. Data on demographics, clinical characteristics, mood status and coping were obtained. Compliance was measured by the "temptation to skip Protease Inhibitor scale" and "number of doses missed in the past three months".

Multiple regression was used to examine three sets of predictors variables. Amongst the demographic predictors, number of people in household was significantly associated (p<0.01) with the dependent variable "Temptation to skip Protease Inhibitor" while gender was significantly associated with the dependent variable "number of doses missed in the past three months". The other demographic variables showed little association with compliance.

Amongst the clinical predictors, pain interfering with work in the past four weeks significantly predicted the temptation to skip Protease Inhibitor therapy while none of the clinical predictors were associated with the number of doses missed in the past 3 months.

General mental health and behavioral escape avoidance were the mood and coping variables that showed significant associations with the temptation to skip Protease Inhibitors. None of these predicted the number of doses missed in the past three months.

Finally a multivariate model was developed which investigated factors which were most highly associated with medication compliance. General mental health and number

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of people in household appeared to be the most highly associated factors. These results suggested that patients should be treated for psychological distress and their families should be informed about the importance of social support to reduce the impact of this problem.

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I dedicate this thesis to my family, who have supported me emotionally and financially.

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INRODUCTION

A. Importance of Compliance with Protease Inhibitors

Advances in HIV pathogenesis and viral dynamics, and availability of viral load assays and potent antiretroviral drug regimens had provided new opportunities to treat patients with HIV disease. Combined aggressive antiretroviral therapy has enormous potential to delay disease progression and death (Friedland G, JAMA, 1997). But this new combination regimen is very demanding and requires a very strict dosing schedule. It was found that resistance developed rapidly when doses were missed or taken in inadequate amounts. Because cross resistance could occur among the Protease Inhibitors, patients whose HIV developed resistance to one Protease Inhibitors had limited antiretroviral therapy options in the future (Geletko S., Khurram Z., Medicine and health Rhode Island, 1998) The prospect of resistance not only made individual patients more vulnerable, it also raised the specter of a public health threat that could neutralize recent therapeutic advances. This resulted in the issue of compliance gaining considerable interest among health care providers. In theory, if compliance is complete(100%) with potent combination therapy, viral replication will most likely be halted and resistance mutant are unlikely. However, in patients who intermittently or irregularly take drugs, the likelihood of selection of mutants that are resistant to drugs increase, a consequence of both continuing viral replication and selective automicrobial pressure (Friedland G., JAMA, 1998).

Enormous amount of studies with HIV disease and other chronic condition have shown that sociodemographic variables rarely predict compliance. The reason

for noncompliance seems to be multifaceted in nature including psychological and emotional factors.

This study will explore the factors associated with compliance and further investigate which of these factors are most highly associated with patient compliance.

B. Determinants of Compliance

Over roughly the past two decades, there have been more than 700 studies, about 35 each year, that have examined variables that could be demonstrated as predictive of adherence to various medical regimen (Morisky DE; Green LW; Levine DM; Med Care, 1986).

I. Patient Characteristics

Education, income, age and other basic sociodemographic markers have shown some correlation with compliance but not consistently and not at significant levels. Haynes (1976) noted that while some studies showed an association between noncompliance and lower socioeconomic status, poor education and older age, the majority showed no such association. There is also no association found between noncompliance and age or sex. In terms of patient characteristics, social support is probably the most important factor. (Friedland G.,1998)

Thus compliance is not related to income, social class, occupation or educational background and it cannot be accurately predicted by physicians (Greenberg R., Clinical Therapeutics, 1984).

II . Clinical Characteristics

- Diagnoses: Haynes (1979) has reviewed the literature critically and has commented that there are few obvious associations between disease features and compliance.
- b. Severity of Illness: It seems reasonable to expect more severely ill patients to be more compliant with treatment than less severely ill patient (Evans L, Spelman M, Drugs, 1983). Davis (1966) found on the contrary. He found that those with severe ailments were more likely to fail than those with less severe disorders. However he noted that it is difficult to be sure whether the noncompliance affects the severity of the condition and vice versa. He also found that greater the effect of the illness on performing daily activities, the less likely the patient was to follow the doctors advice.

The one association between illness and noncompliance that is consistently reported is that when patients get better from an illness they are less likely to comply with treatment (Heinzelman, 1962; Johnson, 1973; Prien & Caffey, 1977; Rickels et al, 1968).

III. Psychological and emotional characteristics:

These play a greater role in determining compliance than demographic factors.

a.) Coping: The experience of being diagnosed with HIV infection or AIDS is extremely stressful. Coping is viewed as a response to perceived stress and it has been defined as the "constantly changing cognitive and behavioral effort to manage specific external and/or internal demands that are appraised as taxing or exceeding the resources of the person

(Lazarus & Folkman, 1984, p 141).

In the literature there are a lot of coping strategies identified but there was little consensus regarding which coping strategies are effective in dealing with stress. Although researchers have found that coping strategies relate to psychological & physical illness, which coping mechanism is most effective may depend on the nature of the situation. (Baum, Fleming & Singer, 1983; Billing & Moos, 1981; Felton & Revenson, 1984; Harburg, Blakclock, & Reoper, 1979; Holahan & Moos, 1986; Kobasa 1982; Mitchell, cronkite & Moos, 1983; Pearlin & Schooler, 1978).

The specific fears of persons with HIV infection and AIDS include abandonment, pain, death, and the exposure of their homosexuality, bisexuality, drug use, prostitution, or unsafe sexual activity. The uncertainty of the outcome of the infection can lead to anxiety. The reaction of others to the patients' diagnosis constitute a significant concern (Ross & Rosser, 1988). In addition, individuals may not be able to conceal their illness from significant others if their symptoms are sufficiently severe. They may need to take time off from work or stop working altogether. Such changes may lead to cessation of employer-paid health insurance benefits, social supports, contact with acquaintances, and income. The stresses of having to give up work are considerable, often leading to depression and lack of self-esteem (Ross & Rosser, 1988).

The role of moderating variables in the relationship between stressful events and adaptational outcomes has gained considerable attention (Johnson, J.H., Sarason, I.G., Stress and Anxiety, 1979). Extensive research in this area has demonstrated that coping is a major moderating variable in the stress-illness relationship (Billing &

Moos, 1984; Coyne, Aldwin & Lazarus, 1981; Lazarus, Folkman, Green & DeLongis,1986). Five patterns of coping were identified by a study done on cancer patients (Denkel-Schetter C., Feinstein L., Taylor S., Falke R.,1992). "seeking or using social support" describes efforts to seek informational support, tangible support, and emotional support. "Focusing on the positive" describes efforts to create positive meaning by focusing on personal growth. "Distancing" describes cognitive efforts to detach oneself and to minimize the significance of the situation. "Cognitive escape-avoidance" and "Behavioral escape-avoidance describes wishful thinking and behavioral efforts to escape or avoid the problem.

b.) Mood Status: A level of anxiety either too low or too great may well be related to noncompliance(Evans L., Spelman M., Drugs,1983). Studies in HIV suggest that psychosocial stress associated with the illness adversely affects the quality of life in HIV patients (Fawzy et al., 1989; Holland et al,1985; Solomon et al,1989). Many of the cognitive, psychological, social, and environmental factors that determine the individual's psychosocial well-being and quality of life also have an impact on compliance.

The SF-36 derived from the work of the Rand Corporation of Santa Monica during 1970 is a generic indicator of health status. It was designed tobe applicable to a wide range of types and severities of condition. These were useful for monitoring patients with multiple conditions, for comparing the health status of patients with different conditions, and for comparing patients to the general population. Perceived wellbeing is subjective and cannot be completely inferred from behavior; hence the SF-36 included questions on feeling states. (Mc Dowell I., Newell C., Measuring health, 2nd edition, p 446).

C. Assessment of Compliance

There is no ideal method to assess drug compliance. Four methods are commonly used to measure compliance: self-reported (questionnaire/interview/diary), pill count, drug assay, and electronic monitoring.

Self Reported Questionnaire: Is commonly used as it is relatively simple and inexpensive method. Sometimes it may be the only method available. Studies have indicated that only 25-50% of non compliant patients can be identified by interview. It was found that there was a significant correlation between the proportion of missed doses according to interview and objective method (Roth HP, Caron HS, Clinical Pharmacol Ther, 1978).Though this method may not be accurate there may be reason to believe it is useful because patients reporting non compliance are usually at least as non compliant as indicated by interview (Norell SE, Soc Sci Med, 1981). There also is evidence that patients reporting non compliance are more likely to respond to compliance-improving strategies than other non compliant patients (Haynes RB, Sackett DL, Gibson ES, et al Lancet, 1976)

Pill Count: The method of counting tablets to determine patient medication behaviour was described in 1936 by Corrigan and Strauss in a study of iron treatment for anemia. Since then, several techniques based on the same principle have been described. This method involves a comparison of the medicine left in the patient's bottle and the quantity which should have been left if the medication had been taken. Though this method is being used extensively, it is not believed to be very accurate. Patients may empty the pill box, or take all the remaining pills before their clinic visit.

Drug Assay: The accuracy of this method depends in part on the half-life of the drug. Longer-acting indicators have been used, but testing will show only past ingestion and not frequency or dosing interval. These studies are very inconvenient and can be expensive. Some patients may object to having blood specimen taken, regarding this as unnecessary and intrusive. Again the value of assessing compliance in this way depends greatly on the reliability of the method by which the drug is identified or quantified in body fluids (Biggs et al., 1976)

Medication Event Monitoring System (MEMS): provides a computer chip in the cap of the medicinal bottle, information is recorded each time the bottle is opened. Data from the MEMS allows calculation of 1) the compliance rate, 2) prescribed frequency, and 3) prescribed interval. A study of adherence in patients taking antiretroviral therapy revealed that while the overall compliance rate was 82% to 86%, more detailed measures of the fraction of doses taken at the prescribed daily interval (55-76%) and fraction of doses taken at the prescribed dosing interval (27%) were lower (Friedland G, JAMA, 1997).

METHODOLOGY

Study Sample

Patient population: Eligibility criteria for this study included age between 18 and 74, current use of approved antiretroviral medications or Protease Inhibitors or use of approved medication for HIV-related complications and prophylaxis of opportunistic infections (for example, trimethoprim-sulfamethoxazole used in the prophylaxis of Pneumocystic carinii pneumonia), ability to read English, and positive HIV status. Patients (n=145) were recruited from three sites described below :

1. <u>The Miriam Hospital Immunology Center</u> has the largest number of ambulatory visits of HIV seropositive individuals and serves the majority of HIV + women in Rhode Island.

2. <u>Stanley Street Treatment and Resources</u>, which provides primary care for the indigent and intravenous drug using population in the greater Fall River Massachusetts area.

3. <u>Veterans Affairs Medical Center in Providence, RI</u>, which currently provides care to approximately 60 HIV seropositive men.

Data Collection:

Patients meeting the above criteria who visited one of the three sites were asked to fill out a standardized questionnaire. The patients were told that the questionnaire was about how they think and feel about the HIV related medications that they were taking, and about different strategies that people use to take their medications. They had the choice to fill it at home and mail it in or return to the clinic, or fill it out right

at the clinic. They were also told they would receive a gift certificate of \$20 after they had filled out the questionnaire. The data was collected during the year 1996-97.

The survey questionnaire (identified by first 3 letters of mother's first name and date of birth) administered to patients included data on demographics, living arrangements, education, employment, income, insurance, social support, side effects, and psychological measurement scales. It was a self reported questionnaire. The questionnaires were checked for completeness.

Measures and Variables assessed:

Patients were asked to complete questionnaire items concerning :

Demographic: age, gender, years of education, income, insurance, number of people in household, current health status, employment.

Mood Status: The scale was taken from the SHORT-FORM-36 HEALTH SURVEY developed by Rand Corporation and John E. Ware,(1990). It was designed as a generic indicator of health status for use in population surveys and evaluative studies of health policy. This scale measured the following dimensions:

General Mental Health, covering psychological distress & well-being (five item: questions b, c, d, f and h)

Vitality, energy, or fatigue (four item: questions a, e, g, and i)

The questions were measured on a six point likert scale from none of the time (score of 1) to all of the time (score of 6). The questions include:

a. Did you feel full of pep?

- b. Have you been a very nervous person?
- c. Have you felt so down in the dumps that nothing could cheer you up?

- d. Have you felt calm and calm and peaceful?
- e. Did you have a lot of energy?
- f. Have you felt downhearted and blue?
- g. Did you feel worn out?
- h. Have you been a happy person?
- i. Did you feel tired?

Scoring: Answers on questions a, d, e, h were recoded (i.e. score of 1 was changed to score of 6, score of 2 was changed to score of 5 and so on) such that low values represent more favorable states. Further scores on question b, c, d, f, and h were summed up to get the score for each individuals General Mental Health. Similarly question a, e, g, and i was added to get the score on vitality, fatigue or energy. Finally transformed score on each of the two were obtained by the following formula

Transformed scale = <u>(actual score - lowest possible score)</u> * 100 Possible raw score range

Clinical Characteristics: The following questions assessed clinical variables:

- 1. Number of days in bed in the past two weeks
- 2. Number of hospitalizations in the past year
- 3. T-cell count last tested
- 4. Pain interfering with work in the past 4 weeks.

Item (4) measured the extent to which pain interfered with work in the past 4 weeks. It was measured on a 5- point likert scale (not at all - extremely). **Coping:** This scale is taken from the WOC (ways of coping questionnaire) developed by Lazarus and Folkman (1984). The scale was revised in 1986 by Lazarus, Folkman, Dunkel-Schetter to make a 51 item questionnaire with 8 factors. This scale was further adapted by Dunkel-Schetter, Feinstein, Taylor, Falke to suit their study on cancer patients (WOC- cancer version). The responses on the items were measured on a five point likert scale ranging from never, rarely, occasionally, often, to very often. Finally, the five factors developed as a result of the factor loadings were :

Seek and Use Social Support: sum of item numbers 4, 34, 22, 20, 16, 49, 13, 31, 6, 19, 1

Cognitive Escape- Avoidance: sum of item numbers 7, 44, 45, 42, 43, 46, 8, 51, 12 *Distancing* : sum of item numbers 40, 30, 33, 9, 10, 11, 50, 37, 15, 32, 48, 52

Focus on the Positive: sum of item numbers 26, 27, 17, 41, 21, 28, 14, 47

~---

Behavioral Escape- Avoidance: sum of item numbers 29, 23, 24, 35, 39, 18, 5, 3, 25 The description of the items is in the (Section VI of the appendix

For this study, observations with more than 2 missing values on any of the 50 items was dropped. The final score on each factor was obtained by summing the scores on the items for that factor.

Eg. Distancing = sum (QVI40 QVI30 QVI33 QVI9 QVI10 QVI11 QVI50 QVI37 QVI15 QVI32 QVI48 QVI52).

Assessment of compliance:

1. Number of Doses missed in the past three months: This was a self reported answer to the question " how many doses of medications have you missed in the past three months". Higher numbers indicated worse compliance.

2. Temptation to skip medication: This scale was developed to measure selfreported likelihood of non-compliance (Willey, C et al, manuscript in progress). The items on the temptation scale were based upon predictors of compliance from the literature and included situations that might affect you taking your protease inhibitors as directed. Responses for each situation rated how tempted you would be to skip your protease inhibitor medication. The responses were measured on a five-point likert scale (continuous) with 1=not tempted to 5= extremely tempted.

A few of the items under this includes:

- When you feel good and you don't need it
- When you are anxious about side effects
- When you want to save on cost of medication
- When your doctor doesn't seem interested in whether you take your medication
- When you start feeling better
- 3 subscales were developed:
- a. Temptation to skip medication due to side effects
- When you are anxious about side effects
- When you experience minor side effects
- When you feel you should give your body a rest

- When you worry that the chemicals in the medication might harm or hurt your body
- b. Temptation to skip medication due to lack of support
- When your family and friends don't seem concerned enough about your condition
- When your doctor doesn't seem concerned enough about your condition
- When your insurance doesn't cover the cost of your medication
- When you lose confidence in your doctor;
- c. Temptation to skip medication when feeling good
- When you feel good and think you don't need it
- When your medical condition doesn't seem that bad
- When it seems too complex to keep track of all your medications
- When you aren't sure if the medicine is really helping you
- d. Total scale

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Score on each subscale was obtained by adding items under each subscale.

For eg. Score on temptation to skip medication = sum (QV2 + QV6 + QV29 + QV30)Score on total scale may be obtained by summing the all the items under all the subscales.

Data Analysis

The above categories constitute the independent and dependent variables. Bivariate and multivariate statistics techniques were used to examine the association between the dependent and independent variables. The data was analyzed using the Statistical Analysis System (SAS) Version 6.09 on the IBM mainframe computer at the University of Rhode Island. Pre-analysis screening procedures were used to assess normality, linearity and homoscedasticity. Residual scatterplots (difference between obtained and predicted DV scores) were obtained. Plots of DV Vs IVs were plotted to check for outliers. PROC UNIVARIATE procedures were carried out to check for skewness and kurtosis. PROC COLLIN / VIF / TOL were the different collinearity diagonostic procedures carried out to check for possible cases of multicollinearity. Demographic variables "number of people in household" and "insurance" did not meet the above assumptions. "number of people in household" had problems with outliers. Very high values were dropped from the study. A plot of DV Vs number of people in household showed a drop in DV value at number of people in household=2. Therefore this variable was categorized into two groups (1 person Vs 2+ people). The variable "insurance" was basically 10 categories of insurance type (eg. Blue cross, medicare etc). Since we were only interested in whether our patients had some insurance coverage to no insurance coverage and not what type of insurance, we created two new categories under this variable (no insurance Vs some insurance). The following variables were determined to be of interest and were further

categorized for their use in the model:

The dependent variables include the following:

- 1. Number of doses missed in the past 3 months : continuous (self-reported)
- 2. Temptation to skip medication: continuous
- a. Total scale
- b. due to side effects
- c. due to lack of support

d. feeling good .

Independent variables include:

A. Demographic

Age: categorical

< 25 years - 1

25-34 years - 2

35-44 years - 3

45-54 years - 4

55 + years - 5

Years of education: categorical

< 12 years - 1

12 years - 2

13-15 years - 3

16 + years - 4

Race : categorical

White - 1

Native Americans - 2

Hispanic - 3

Asian - 4

African American - 5

Others - 6

Current Health Status : categorical

Excellent - 1

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Very Good - 2 Good - 3 Fair - 4 poor - 5 Gender: categorical Female - 1 Male - 2 Employment: categorical Full-time - 1 Part-time - 2 Unemployed - 3 Insurance : categorical No insurance - 0 Some insurance - 1 Income: categorical Less than \$15,000 - 1 \$15,000 to \$24,000 -2 \$25,000 to \$34,000 -3

\$35,000 to 44,000 - 4

45,000 or more - 5

Number of people in household : categorical

1 person - 1

2 + person - 2

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B. Clinical

bodily pain in past 4 weeks: categorical

None - 1

Very mild - 2

Mild - 3

Moderate - 4

Severe - 5

Very Severe - 6

Pain interfering with normal work in past 4 weeks: categorical

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Not at all - 1

A little bit - 2

Moderately - 3

Quite a bit - 4

Extremely - 5

Number of days in bed in the past 2 weeks: continuous

Number of hospitalization in the past year : continuous

Mood Status and Coping

General mental health: continuous (GMH)

Fatigue : continuous (FAT)

Seek and use social support : continuous (SSS)

Cognitive Escape-Avoidance: continuous (CEA)

Distancing : continuous (DIS)

Focus on Positive: continuous (FOP)

Behavioral Escape-Avoidance: continuous (BEA)

PROC GLM and PROC TTEST procedures were carried out to check if there were any significant differences between groups for the demographic variables. Here, the values of different demographic variables like age, 'education, race represents groups and the emphasis is on finding mean differences in Y between groups.

PROC REG procedures (Standard multiple regression) were carried out for the following models. 5 models were run for each group of predictor variable.

Models for Demographic characteristics:

- Temptation to skip medication for the side effect scale = age + gender + current health status + income + race + number of people in household + insurance + education.
- 2. Temptation to skip medication for the lack of support scale = age + gender + current health status + income + race + number of people in household + insurance + education
- 3. Temptation to skip medication for the feeling good scale = age + gender + current health status + income + race + number of people in household + insurance + education
- 4. Temptation to skip medication for the total scale = age + gender + current health status + income + race + number of people in household + insurance + education
- 5. number of doses missed in the past three months = age + gender + current health status + income + race + number of people in household + insurance + education
Models for Clinical Characteristics:

- Temptation to skip medication for the side effect scale = bodily pain/past 4 weeks
 + pain interference with work/past 4 weeks + number of days in bed + number of hospitalization.
- Temptation to skip medication for the lack of support scale = bodily pain/past 4 weeks + pain interference with work/past 4 weeks + number of days in bed + number of hospitalization.
- 3. Temptation to skip medication for the feeling good scale = bodily pain/past 4 weeks + pain interference with work/past 4 weeks + number of days in bed + number of hospitalization.
- Temptation to skip medication for the total scale = bodily pain/past 4 weeks + pain interference with work/past 4 weeks + number of days in bed + number of hospitalization.
- 5. number of doses missed in the past 3 months = bodily pain/past 4 weeks + pain interference with work/past 4 weeks + number of days in bed + number of hospitalization

Models for Mood Status and Coping:

- Temptation to skip medication for the side effect scale = GMH + FAT + SSS + CEA +BEA + DIS + FOP
- Temptation to skip medication for the lack of support scale = GMH + FAT + SSS
 + CEA + BEA + DIS + FOP
- Temptation to skip medication for the feeling good scale = GMH + FAT + SSS + CEA +BEA + DIS + FOP

- Temptation to skip medication for the total scale = GMH + FAT + SSS + CEA+
 BEA + DIS + FOP
- number of doses missed in the past 3 months = GMH + FAT + SSS + CEA +BEA
 + DIS + FOP

The R^2 values (variability in dependent variable that is accounted by the independent variable) were compared between the models. The standardized coefficient and p values were obtained. The sign on the beta values were checked to see if they were as expected.

The final step in the analysis of the research data was selection of the final model for predicting medication compliance.

RESULTS

A total of 145 patients were enrolled in the study. 73 patients were on Protease Inhibitors, which comprised the study population. Three quaters of the study sample were male (77%). The median age was 39 years and it ranged between 24-57 years. Seventy six percent (55/73) were white and only 6% were Hispanics. 8% were African Americans. The most common risk factors for HIV were homosexual life style 43% (29/73), heterosexual contact 32% (22/73) and intravenous drug use 25% (17/73). Most of the patients (87%) had some kind of insurance (Blue Cross, Ocean State, RIGHA, HCHP, other private insurers, HMO, Medicaid, Medicare, others). More than half lived with someone else (Husband or wife, intimate partner, other adults 18 or older, parents, grandparents, children under 18 or children over age 18). Half of the study population had an annual income of less than \$15,000. 80% (57/73) had completed at least high school education.

A. Relationship between Demographic Characteristics and Temptation to skip Protease Inhibitors:

Table 1 presents the demographic characteristics of the study sample (n=73). General linear model procedure was carried out to check if there was any significant difference in temptation to skip medications due to demographic characteristics. Temptation to skip medication did not differ with age, race, years of education, income, number of people in household, insurance and the current health status.

B. Relationship between Demographic characteristics and number of doses of Protease Inhibitors missed in the past three months: Table 2 represents the demographic characteristics of patients with number of doses missed in the past three months. GLM procedures indicated that the number of doses missed did not differ with age, race, years of education, income, current health status or number of people in household. But it differed with insurance and gender. The number of doses missed was higher if a person had insurance coverage (p<0.006). Also females showed higher number of missed doses (p<0.0011).

C. Table 3 summarizes the results of Multiple Regression for the Clinical predictors of Temptation to skip medication for total scale:

In **Table 3** the negative sign on B indicates a negative association between the number of days in bed during the past two weeks, number of hospitalization in the last one year, T-cell count last tested and the temptation to skip Protease Inhibitors. However none of these associations were significant. Pain interfering with work in the past 4 weeks was significant at 0.05 level of significance. The model accounted for 18% of variation.

D. Table 4 summarizes the results of Multiple Regression for the Clinical

predictors of Temptation to skip Protease Inhibitors for the side-effect scale: In **Table 4** the number of days in bed during the past two weeks and the number of hospitalizations in the past one year were negatively associated with the temptation to skip medication due to side-effects. Pain interfering with work in the past four weeks again showed significance at the 0.05 level of significance. The model accounted for 7% of variation.

E. Table 5 summarizes the results of Multiple Regression for the Clinical

predictors of Temptation to skip protease inhibitors for the lack of support scale:

In **Table 5**, the number of days in bed during the past two weeks and T cell count last tested were negatively associated to the temptation to skip medication due to lack of support. None of the Clinical predictors were significant at 0.05 level of significance. This model accounts for only 3% of variance.

F. Table 6 summarizes the results of multiple regression for the Clinical predictors of Temptation to skip protease inhibitors for the Feeling good scale: Number of days in bed during the past two weeks, Number of hospitalization in the past year and the T cell count last tested were negatively associated to the temptation to skip medication when feeling good. Pain interfering with work in the past 4 weeks

showed significance with a p- value of less than 0.0004. This model accounts for 18% of the variance.

G. Table 7 summarizes the results of multiple regression for the Clinical predictors of number of doses of Protease inhibitors missed in the past three months:

Negative sign on the B values indicate that the clinical predictors are negatively associated to the number of doses missed in the past three months. None of the predictors showed significance at the 0.05 level of significance. The overall model accounted for 3% of variation.

H. Table 8 summarizes the results of multiple regression for the mood status and coping predictors of Temptation to skip Protease Inhibitors for the total scale:

Focus on positive was negatively associated with the Temptation to skip Protease Inhibitors for the total scale. None of the variables were significant at the 0.05 level of significance. This model accounted for 25% of the variance.

A. Table 9 summarizes the results of multiple regression for the mood status and coping predictors of Temptation to skip Protease Inhibitors for the sideeffect scale: Validity, energy and fatigue; social support and focus on positive were negatively associated to temptation to skip Protease Inhibitors due to side-effects. Variables did not show significance at 0.05 level of significance. Model accounted for 9% of the variation.

B. Table 10 summarizes the results of multiple regression for the mood status and coping predictors of temptation to skip Protease Inhibitors for the lack of support scale:

Validity, energy and fatigue; seek and use social support, cognitive escapeavoidance, distancing, Focus on positive were negatively associated to the temptation scale. General mental health & behavioral escape avoidance showed significance at 0.05 level of significance. The model accounted for 25% of variance.

C. Table 11 summarizes the results of multiple regression for the mood status and coping predictors of Temptation to skip Protease Inhibitors for the Feeling good scale:

Focus on positive and Behavioral escape- avoidance are negatively associated to the temptation scale. None of the variables showed any significance at the 0.05 level of significance. The model accounts for 20% variance.

D. Table 12 summarizes the results of multiple regression for the mood status

and coping predictors of number of doses of Protease Inhibitors missed in the past three months:

Seek and use social support, cognitive escape avoidance, distancing are negatively associated to the number of doses missed. None of the variables showed significance at the 0.05 level of significance. The model accounted for 11% of variance.

E. Table 13 summarizes the results of multiple regression for the Demographic predictors of Temptation to skip Medication for the total scale:

Age, years of education, number of people in household and annual income were negatively associated to the Temptation to skip medication for the total scale. number of people in the household showed significance at the 0.05 level of significance. The model accounted for 26% of variance.

F. Table 14 summarizes the results of multiple regression for the Demographic predictors of Temptation to skip Protease Inhibition for the side-effect scale: Gender, race, number of people in household, years of education are negatively associated to the Temptation to skip Protease Inhibitors for the side-effect scale. None of the variables showed significance at the 0.05 level of significance. The model accounted for 26% of the variability.

O. Table 15 summarizes the results of multiple regression for the Demographic predictors of Temptation to skip Protease Inhibition for the lack of support scale:

Age, gender, race, number of people in household and years of education were negatively associated to the Temptation scale. None of the demographic variables

showed significance at the 0.05 level of significance. The model accounted for 13% of the variability.

P. Table 16 summarizes the results of multiple regression for the Demographic predictors of Temptation to skip Protease Inhibition for the feeling good scale: Race, number of people in household, annual income and years of education were negatively associated to the Temptation scale. None of the variables showed significance at the 0.05 level of significance. The model accounted for 15% of the variability.

Q. Table 17 summarizes the results of multiple regression for the Demographic predictors of the number of doses of Protease Inhibitors missed in the past three months:

Age, gender, current health status, race, years of education, annual income, insurance were negatively associated to the number of doses missed in the past three months. Gender showed significance at the 0.05 level of significance. The model accounted for 27% of the variability.

Demographic Variables	(%)n	mean	
Age			
>25yrs	1 (1%)	19	
25-34yrs	20 (27%)	25.3	F=0.69
35-44yrs	28(38%)	23.6	p<0.6032
45-54yrs	22 (30%)	23.68	$R^2 = 0.0445$
55+yrs	2 (3%)	19	
Gender			
Female	16 (25%)	24.2	F=1.08
Male	48 (75%)	23.7	p<0.7981
Race	· · · · · · · · · · · · · · · · · · ·		
White non-Hispanic	55 (76%)	23.0	
Hispanic	4 (6%)	30	F=1 78
African American	6 (8%)	26.25	p < 0.1710
Other	7 (10%)	20.14	$P^2 = 0.0807$
	/ (10 /0)	20.14	K -0.0007
Years of Education			
<12yrs	15 (21%)	25.5	F=1.11
12yrs	22 (31%)	24.3	p<0.3542
13-15yrs	20 (28%)	21.8	$R^2 = 0.0532$
16+yrs	15 (21%)	24.9	
Income			
Less than \$15,000	40 (57%)	24.1	
\$15,000 to \$24,000	12 (17%)	24.9	F=0.32
\$25,000 to \$34,000	6 (9%)	23.8	p<0.8603
\$35,000 to \$44,000	9 (13%)	21.8	$R^2 = 0.0222$
\$45,000 or more	3 (4%)	22.7	
number in household			
1 person	16 (35%)	26.5	F=1.86
2+ people	30 (65%)	21.4	p<.626
Insurance			
No	9 (13%)	22.0	F=1.56
Some	63 (87%)	24.1	p<0.6051
Current Health Status			
Excellent	8 (11%)	24.1	
Very Good	13 (18%)	23.5	F=0.62
Good	39 (53%)	23.1	p<0.6484
Fair	12 (16%)	26.6	$R^2 = 0.0404$
Poor	1 (!%)	25.0	

Table 1: Characteristics of the patient population by Demographics for the Temptation to skip Protease Inhibitors:

Demographic Variables	(%)n	mean	
Age			
>25yrs	1 (1%)	8	
25-34yrs	20 (27%)	5.7	F=0.49
35-44yrs	28(38%)	4.2	p<0.7457
45-54yrs	22 (30%)	2.9	$R^2 = 0.0309$
55+yrs	2 (3%)	0.0	
Gender			
Female	16 (%)	8.0	F=3.43
Male	50 (%)	2.9	p<0.0011
Race			P
White non-Hispanic	55 (76%)	4.8	
Hispanic	4 (6%)	2.7	F=0.40
African American	6 (8%)	2.8	n<0.7516
Other	7 (10%)	15	$R^2 = 0.0192$
	/ (1070)	1.5	IX -0.0172
Years of Education			
<12yrs	15 (21%)	7.2	F=1.47
12yrs	22 (31%)	4.3	p<0.2323
13-15yrs	20 (28%)	1.4	$R^2 = 0.0673$
16+yrs	15 (21%)	5.2	
Income			
Less than \$15,000	40 (57%)	5.3	
\$15,000 to \$24,000	12 (17%)	2.6	F=0.60
\$25,000 to \$34,000	6 (9%)	1.8	p<0.6664
\$35,000 to \$44,000	9 (13%)	5.1	$R^2 = 0.0382$
\$45,000 or more	3 (4%)	0.7	
number in household			
1 person	16 (35%)	2.4	F=3.40
2+ people	30 (65%)	4.8	p<.016
Insurance			
No	9 (13%)	2.1	F=13.56
Some	63 (87%)	4.9	p<0.0006
Current Health Status			
Excellent	8 (11%)	2.6	
Very Good	13 (18%)	8.7	F=1.30
Good	39 (53%)	3.3	p<0.2811
Fair	12 (16%)	3.5	$R^2 = 0.0784$
Poor	1 (!%)	0.0	

Table 2: Characteristics of the patient population by Demographics for the Number of doses missed in the past 3 months:

Table 3: Clinical Predictors Of Temptations To SkipMedication for The Total Scale

Independent Variables	Standard Coefficient	Standard Error	р
number of days in bed in the past two weeks	-0.252070	0.26608237	0.4000
number of hospitalization in the past year	-0.150587	0.41150700	0.7827
T-cell count last tested	-0.169805	0.76950260	0.6711
Pain interference with work in the past 4 weeks	2.259875	0.56567161	0.0008

MODEL $R^2 = 0.1844$

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Table 4: Clinical Predictors of Temptations to Skip Medication for the Side Effect Scale

Independent Variables	Standard Coefficient	Standard - Error	р (0.05)
number of days in bed in the past two weeks	-0.029014	0.10903916	0.7910
number of hospitalization in the past year	-0.226164	0.18011361	0.2134
T-cell count last tested	0.173197	0.31605649	0.5854
Pain interference with work in the past 4 weeks	0.490655	0.23056680	0.0369

MODEL $R^2 = 0.0765$

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Table 5: Clinical Predictors of TemptationsTo Skip Medication for the Lack of Support Scale

Independent Variables	Standard Coefficient	Standard Error	р
number of days in bed in the past two weeks	-0.066172	0.10691938	0.5383
number of hospitalization in the past year	0.066261	0.16535509	0.6900
T-cell count last tested	-0.184734	0.30920779	0.5524
Pain interference with work in the past 4 weeks	0.275566	0.22730277	0.2301

MODEL $R^2 = 0.0329$

Table 6: Clinical Predictors of TemptationsTo Skip Medication for the Feeling Good Scale

Independent Variables	Standard Coefficient	Standard Error	р
number of days in bed in the past two weeks	-0.104082	0.21505136	0.6299
number of hospitalization in the past year	-0.050817	0.35522722	0.8867
T-cell count last tested	-0.420103	0.62333918	0.5026
Pain interference with work in the past 4 weeks	1.686873	0.45473300	0.0004

MODEL $R^2 = 0.1831$

Table 7: Clinical Predictors of Number of Doses Missed In the Past Three Months

Independent	Standard	Standard	р
Variables	Coefficient	Error	-
	-0.219782	0.49928973	0.6614
number of days in		σ	
bed in the past two			
weeks			
	-0.521501	0.84307291	0.5386
number of			
hospitalization in			
the past year			
	-0.471129	1.22601610	0.7022
T-cell count last			
tested		. .	
	-0.574209	0.91188786	0.5314
Pain interference			
with work in the			
past 4 weeks			

MODEL $R^2 = 0.0351$

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Table 8:Mood Status & Coping Predictors OfTemptations to Skip Medication for the Total Scale

Independent	Standard	Standard	р
Variables	Coefficient	Error	
General mental	0.057523	0.06838932	0.2041
Health		2	
Validity, energy &	0.081699	0.07096276	0.7991
fatigue			
Seek and use social	0.035140	0.126165	0.7065
support			
Cognitive Escape-	0.167219	0.145214	0.2363
Avoidance		1	
Distancing	0.152464	0.119712	0.2973
Focus on the	-0.208724	0.141352	0.1589
positive			
Behavioral Escape-	0.100838	0.152454	0.4670
Avoidance			

MODEL $R^2 = 0.2460$

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Table 9: Mood Status & Coping Predictors Of	
Temptations to Skip Medication for the Side Effect Scale	e

Independent	Standard	Standard	р
Variables	Coefficient	Error	
General mental Health	0.003501	0.02930638	0.5122
Validity, energy & fatigue	-0.003084	0.03040916	0.1722
Seek and use social support	-0.003943	0.04307266	0.9745
Cognitive Escape- Avoidance	0.018441	0.05429477	0.6684
Distancing	0.040685	0.04585626	0.5441
Focus on the positive	-0.028221	0.05260424	0.6384
Behavioral Escape- Avoidance	0.068619	0.05555417	0.1920

MODEL $R^2 = 0.0933$

Table 10:Mood Status & Coping Predictors of Temptations To Skip Medication for the Lack of Support Scale

Independent Variables	Standard Coefficient	Standard Error	р
General mental Health	0.065227	0.02493562	0.0151
Validity, energy & fatigue	-0.011578	0.02587393	0.7744
Seek and use social support	-0.069824	0.03822089	0.0668
Cognitive Escape- Avoidance	-0.010692	0.04399168	0.8506
Distancing	-0.015112	0.03626603	0.5991
Focus on the positive	-0.023162	0.04282165	0.6071
Behavioral Escape- Avoidance	0.131255	0.04618492	0.0059

MODEL $R^2 = 0.2575$

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Table 11:Mood	Status & C	Coping P	redictors	of Temptations
To Skip Medica	tion for the	e Feeling	Good Se	cale

Independent Variables	Standard Coefficient	Standard Error	р
General mental Health	0.027457	0.05662832	0.8371
Validity, energy & fatigue	0.084715	0.05875920	0.8862
Seek and use social support	0.129291	0.08058121	0.0838
Cognitive Escape- Avoidance	0.173044	0.10157577	0.0994
Distancing	0.143841	0.08578884	0.1037
Focus on the positive	-0.175670	0.09841308	0.0791
Behavioral Escape- Avoidance	-0.060387	0.10393187	0.5978

MODEL $R^2 = 0.2058$

Table 12:Mood Status & Coping Predictors of Number Of Doses Missed in the Past Three Months Medication

Independent Variables	Standard Coefficient	Standard Error	р
General mental Health	0.079499	0.10050718 ,	0.4324
Validity, energy & fatigue	0.108293	0.10143939	0.2905
Seek and use social support	-0.068747	0.15851851	0.6662
Cognitive Escape- Avoidance	-0.079289	0.19385247	0.6841
Distancing	-0.194862	0.17043714	0.2580
Focus on the positive	0.344344	0.20782860	0.1033
Behavioral Escape- Avoidance	0.075140	0.20920783	0.7209

MODEL $R^2 = 0.1161$

Independent	Standard	Standard Error	р
variable	Coefficient		
Age	0.0086	0.11860	0.9426
(continuous)		¥	
Gender	-0.8833	2.08232	0.6739
Current Health	0.8056	1.12782	0.4795
Status (categorical)			
Race (categorical)	-0.0235	0.55070	0.9661
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Years of Education	-0.4451	0.32053	0.1732
(continuous)			
number in	-4.9342	2.00558	0.0187
household (1vs 2+)			
Annual Income	0.0738	0.80883	0.9278

3.31847

0.1427

Table13: Demographic Predictors of Temptation to Skip MedicationFor Total Scale

MODEL R²=0.2685

(none Vs some)

4.9699

(categorical)

Insurance

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Table 14: Demographic Predictors of Temptation to Skip Medication	
For Side Effect Scale	

Independent	Standard	Standard Error	р
variable	Coefficient		
Age	0.083068	0.041556	0.0523
(continuous)			
Gender	-1.408103	0.708451	0.0536
Current Health	0.155997	0.38977	0.6911
Status (categorical)			
Race	-0.095403	; 0.194311	0.6261
(categorical)			
Years of Education	-0.21097	0.112697	0.0683
(continuous)			
number in	-0.823432	0.679762	0.2327
household (1vs 2+)			
Annual Income	0.33747	0.289008	0.2497
(categorical)			
Insurance	1.60375	1.086704	0.1476
(none Vs some)			

Table 15: Demographic Predictors of Temptation to Skip MedicationFor Lack of Support Scale

Independent	Standard	Standard Error	р
variable	Coefficient		-
Age	-0.00791	0.03790	0.8357
(continuous)		÷	
Gender	-0.55259	0.66255	0.4095
Current Health	0.370345	0.36340	0.3146
Status (categorical)			
Race	-0.24958	0.17230	0.1557
(categorical)	Ĩ		
Years of Education	-0.08248	0.10326	0.4294
(continuous)		-	
number in	-0.59231	0.62711	0.3509
household (1vs 2+)			
Annual Income	0.111573	1.067611	0.9173
(categorical)			
Insurance	0.10123	0.260526	0.6998
(none Vs some)			

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Table 16: Demographic	Predictors of	Temptation	to Skip	Medication
For Feeling Good Scale				

Independent	Standard	Standard Error	р
variable	Coefficient		
Age	0.03845	0.09277	0.6806`
(continuous)		ş	
Gender	0.27638	1.57834	0.8618
Current Health	0.82236	0.87711	0.3538
Status (categorical)			
Race	-0.23059	0.42361	0.5891
(categorical)	1. A.	·	
Years of Education	-0.24517	0.25349	0.3390
(continuous)			
number in	-2.26079	1.49042	0.1368
household (1vs 2+)			
Annual Income	-0.48302	0.650116	0.4610
(categorical)			
Insurance	1.349710	2.43795	0.5828
(none Vs some)			

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Independent	Standard	Standard Error	р
variable	Coefficient		
Age	-0.087099	0.15805735	0.5851
(continuous)			
Gender	-5.873565	2.75002781	0.0398
Current Health	-0.633602	1.44894597	0.6646
Status (categorical)			
Race	-0.894087	1.44894597	0.2491
(categorical)			
Years of Education	-0.339226	0.40787591	0.4112
(continuous)			
number in	1.030172	2.58618504	0.6928
household (1vs 2+)			
Annual Income	-0.882132	1.03618448	0.4004
(categorical)			
Insurance	-1.272744	4.51846837	0.7799
(none Vs some)			

Table 17: Demographic Predictors of Number of Doses Missed In The Past Three Months

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Summary Table of Results

Significant Predictors of Temptation to Skip Protease Inhibitors & number of doses missed

	T ₁ scale *	T ₂ scale *	T ₃ scale *	Total scale *	number
	-	,			of doses missed *
Clinical	Pain	No predictors	Pain	Pain	No
Characteristics	interfering with work in the past 4 weeks		interfering with work in the past 4 weeks	interfering with work in the past 4 weeks	predictor
Demographic	No predictor	No predictor	No predictor	number of people in household	Gender
Mood Status and Coping	No predictor	General Mental health Behavioral Escape- Avoidance	No predictor	No predictor	No predictor

Dependent variables \rightarrow

(*) = See Footnote

- * T_1 = Temptation to skip medication for the side-effect scale
- * T_2 = Temptation to skip medication for the lack of support scale
- * T_3 = Temptation to skip medication for the feeling good scale
- * Total scale = Temptation to skip medication for the total scale
- * Number of doses missed = number of doses missed in the past 3 months

DISCUSSION

This study examined three predictors of compliance. The predictors examined were demographics, clinical and mood status and coping. Temptation to skip Protease Inhibitors and the number of doses missed in the past three months were two measurements employed to measure compliance. In this section, the independent variables will be analyzed individually to study their impact on medication compliance.

A. Demographics characteristics:

Demographic predictors; age, gender, current health status, race, number of people in household, insurance, and income could not predict the temptation to skip protease inhibitors for the side-effect scale, lack of support scale and feeling good scale. This conclusion was in accordance with a number of studies done in the past.

Demographic variable " number of people in household" was a significant predictor of temptation to skip medication for the **total scale** (p<0.01). Plot of temptation scale Vs number of people in household shows that there was a drop in the mean temptation score if there were 2 or more people in household. This could be due to availability of good social support. Family and friends can play a crucial role in providing encouragement for achieving health goals. They can provide emotional/informational, tangible, affectionate, and positive social interaction support, which could make the patient want to feel better and take his medication regularly. This study contradicts studies by Sherbourne on social support. She has emphasized that a single item measure of number of close friends and relatives cannot predict adherence, suggesting that it is the quality of relationship rather than quantity of supports that influence adherence.

Demographic variable "gender" was a significant predictor of number of doses missed in the past three months (p<0.03). Mean number of doses missed for females was significantly higher than the males (p<0.001). This could be because HIV + women are known to express great distress and concern about familial issues such as pregnancy, transmission to HIV to their children and caring for their children. The experience of the disease may bring on different types of stressors. Also HIV-infected women have been shown to be more depressed and anxious as compared to HIV + men. This state of mind could have caused higher number of doses to be missed by females than by males.

Studies in past has shown no consistent association between gender and compliance.

B. Mood Status and Coping:

Mood Status and Coping could not predict the temptation to skip protease inhibitors for the side-effect, feeling good, total scale and the number of doses missed in the past three months. General mental health (p<0.01) and Behavioral escape-avoidance (p<0.006) significantly predicted the temptation to skip Protease inhibitors for the lack of support scale. This shows that HIV + patients who were tempted to skip medication due to lack of support were using Behavioral Escape-Avoidance as their pattern of coping. This factor is known to involves behavioral signs of avoidance such as social withdrawal, drug use, and impulsivity. HIV+ patients may suffer from specific fears such as abandonment, pain, death, and exposure to homosexuality, bisexuality, drug use, prostitution, or unsafe sexual activity. They therefore tend to live alone in an attempt to conceal their illness. Eventually since they lack social support, they try to withdraw themselves from society and engage in activities like drug use etc. This result supports the conclusion by Dunkel-Schetter. Dunkel-Schetter studied the coping patterns of cancer patients and found that people who coped by behavioral escape-avoidance were also more likely to live alone.

General mental health was another predictor of temptation to skip protease inhibitor for the lack of support scale. It's a measure of psychological distress and well being. Higher scores represent favorable states while lower scores indicate higher psychological distress and depression. Since general mental health was significantly associated to the temptation to skip protease inhibitor for the lack of support scale, patient could be suffering from psychological distress and eventually getting tempted to skip medication. This conclusion was in accordance with the results of work by Nina Singh. She found that non-compliant patients demonstrated significantly greater psychological distress as assessed by standard psychological tests.

C. Clinical:

Pain interfering with work in the past four weeks significantly predicted temptation to skip protease inhibitors for the side effect scale (p<0.03), total scale (p<0.0002), and feeling good scale (p<0.0004). Pain can have a physical and emotional impact on a person. It can causes limiting activities of daily living or cause psychological

responses such as depression, agitation and decreased alertness. Thus, we can expect an HIV+ individual experiencing pain to be physically incapable of taking his medication or psychologically depressed due to pain to want to take his medication.

D. Final Regression Model:

The regression model with all the variables that best explained the dependent variable was defined as below:

Temptation to skip medication for the total scale = 22.1674 - 4.8519 (number of people in household) - 0.0907 (behavioral escape avoidance) + 0.2091 (general mental health) - 0.0401 (pain interfering with work in the past 4 weeks)

This model had a strong F value of (4.292) with a significant p (0.006). These predictors accounted for nearly 33% of variability.

A backward elimination regression procedure was carried out. The equation started will all the 4 IVs entered and they were deleted one at a time if they did not contribute significantly to regression. The complete model had an R^2 value of 0.3290. The variable pain interfering with work in the past 4 weeks got eliminated first. There was no change in the R^2 value with this elimination. Next, the variable behavioral escape avoidance was dropped from the model. This caused the R^2 value to drop by 0.006. The final R^2 value with number of people in household and General mental health was 0.3229. These were the only 2 significant predictors of Temptation to skip protease inhibitors.

E. Interactions:

An effort was made to check if temptation to skip medication due to psychological distress was affected at different levels of pain. The following model was developed: Temptation to skip Protease Inhibitor for total scale = Pain interfering/4weeks + GMH + Pain interfering/4week*GMH.

The interaction term, "pain*GMH" did not show significance at the significance level 0.05 suggesting that there was no interaction between psychological distress and pain

F. Limitations

Self reported data: People may be inaccurate in reporting their behavior There may be multiple influences on them in terms of their ability and desire to provide a valid response. These factors may include clarity of questions, setting, memory, literacy, and mood status.

Measurement : There seems to be no gold standard or satisfactory way to measure compliance, but the questionnaire has been designed to cover every aspect of patient's moods, disease status, coping, demographics, temptations scale etc. which can help us identify the predictors of compliance. The second measure of compliance used in our study was the number of doses missed in the past 4 weeks. This does not seem to be a very good measure of compliance. This may be because it is a single item measure and depends totally on patient recollection and memory.

Measurement issues related to timing: This data was collected when protease inhibitors were first introduced to the market, so patterns of compliance may be different now than they were then.

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CONCLUSIONS

The results of this study on predictors of compliance of AIDS patient on Protease Inhibitors have provided a profile of predictors of compliance. The findings of this study are in accordance with a number of studies on predictors of compliance for HIV and other chronic disease states. Temptation to skip medication is a very new concept of compliance measurement. Results of these studies have shown that this scale could be a very good instrument to measure compliance.

Through bivariate and multivariate statistical procedures, a number of significant predictors of compliance were identified. The factors that appeared to predict compliance best were number of people in household, gender, general mental health, pain interfering with work in the past four weeks and behavioral escape avoidance.

The other demographic variables like age, race, income, insurance, current health status had little association with compliance. This finding is consistent with results obtained from other studies. Though gender was one of the significant predictors of compliance, studies in the past haven't found any consistent association between the two.

General mental health and number of people in household were two variables that best predicted compliance in our HIV patients. They accounted for major part of the variance in the temptation to skip medication scale. The negative relationship between the Temptation scale and the number of people in the household wasn't unexpected. Also, the results have shown that the higher the psychological distress the higher was the temptation to skip medication. This again wasn't surprising as many psychological factors have been associated with non-compliance.

Compliance with Protease Inhibitors is a very significant problem because of the fear of development of resistance. This data has shown that psychological distress was a significant problem with the non-compliant HIV patients on Protease Inhibitors. Since illness like psychological distress and depression are often treatable, health care providers must provide appropriate treatment and counseling to these patients. These findings also suggested the importance of social support for compliance behavior. Health care providers should educate family members about the psychological condition of this group of people and how social support can improve their compliant behavior significantly. An awareness of the factors associated with compliance can enable health care providers to identify those at risk for noncompliance behavior. They can then carry out extensive compliance-enhancing counseling programs and help reduce the impact of this problem.

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APPENDIX

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- Questionnaire Plots

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Managing Your Medications Questionnaire

Please answer the following questions thoughtfully and completely. This questionnaire is about how you think and feel about the HIV related medications that you are taking, and about the different strategies that people use to take their medications. It will take about 45 minutes for you to fill this out. You may fill it out at home and mail it in or you may return it to this clinic. When you turn it in, we will give you a gift certificate for \$20 to thank you for your participation. If you have the time to fill it out here, you may turn it in to the person who handed it to you, and receive your gift certificate now.

CODE FOR THIS QUESTIONNAIRE:

.

A) What are the first 3 letters of your mothe	er's first name?	(1/1-3)
B) What is your birth date?	mm dd yy	(1/4-9)

SECTION I BACKGROUND INFORMATION

The first section of this questionnaire asks about your background.

-	Please circle or fill in the correct response for each que	estion.			
1.	What is your age?		ears	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	(1/10-11)
2.	What is your gender?	M F			
3.	How would you describe your current health status?	(Please che	ck one answer)		(1/12)
4.	Which of the following best describes your ethnic bac White, non-Hispanic Native American	ekground?	African American Other '		(1/13)
5.	How many years of education have you finished?				(1/14-15)
6.	Do you currently work either part-time or full time?	🗌 Iai	m hot currently emp	loye	(1/16) ed
7.	Do you live by yourself or with other people?				(1/17)
8	If you live with others, how many (besides you) are in	n your hous	ehold?		(1/18-19)
9	If you live with others. what is their relationship to y	ou? (Check	all that apply)		(1/20-26)
U	Husband or wife Grandparents Grandparents Grandparents Children under Other adults 18 or older Parents Niversity of Rhode Island, 01996	age 18 Ige 18			

10.	Do you have any children? If so, how many? (If none, put 0)	(1/27-28)
11.	Do any of your adult children live nearby (within a half hour drive)?	(1/29)
12.	How many of your family or friends can you count on for emotional support? 🗌 🗌	(1/30-31)
13.	How many of your family or friends can you count on for financial help? 🗌 🗌	(1/32-33)
14.	How many of your family or friends can you count on for physical assistance, or a place to stay? \Box	(1/34-35)
15.	Do you feel confident that your family or friends will continue to help you with your everyday needs? Very confident Fairly confident Somewhat confident Less than somewhat confident Not at all confident	(1/36)
16.	If you were to need more help with every day needs, do you feel confident that your fan friends could provide it? Very confident Fairly confident Somewhat confident Less than somewhat confident Not at all confident	nily or (1/37)
17.	. How many of your family & friends have you told about your HIV infection?	(1/38)
18.	What type of health insurance coverage do you currently have? NONE Blue Cross HCHP Ocean State Other private insurer RIGHA HMO	(1/39-48)
19	 Which of the following best estimates your total (family) income during the past 12 months? Less than \$15,000 \$15,000 to \$24,000 \$25,000 to \$34,000 \$35,000 to \$44,000 \$45,000 or more 	(1/49)
20	 About how far do you live from this treatment center? Within walking distance Within a ten minute drive or less Within a twenty minute drive or less Within a thirty minute drive More than thirty minutes away 	(1/50)

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21.	When you have questions abou usually ask? (Please check all t	it medications hat apply)	for your HI	V infectio	n, who do y	/ou	(1/5	1-58)
	Pharmacist Othe	r persons with	HIV infectio	00				
	Social Worker	iy members ids						
	Nurse Othe	r: please speci	ſy				(1/5	9-78)
22.	Which health care provider is a	most helpful to	o you in tak	ing your	medications	s as dire	cted? (1/79)
	Nurse Pharmacist							
	Physician							
	Other; please specify						(2/	(1-20)
23	Is there someone living with v	ou or close to	you who hel		ninds vou to	take vo		-
20.	medications on time?		,	poorten	initido you te	, tance ye	(2/21)
	Yes No							
24.	How much bodily pain have ye	ou had during	the past for	ur weeks	?		([2/22]
	None Mod	erate						
	Mild Very	Severe						
25.	During the past 4 weeks, how	much did pai	n interfere v	with your	normal wo	rk (inclu	ding bo	th
	work outside the home and h	iousework)?			-			(2/23)
	∐ Not at all ∐ A little bit	Moderat	ely 📙 Qui	ite a bit	L Extrem	nely		
26.	During the past two weeks, h of the day? \Box	ow many days	did you sta	y in bed	all or most		र (2/	24-25)
27	. How many times have you be	en hospitalize	d in the pas	t year? (Į	f none, put ((2/	26-27)
28	. These questions are about ho weeks.	w you feel and	how things	have bee	en with you	during tl	ne past (4
Fo	reach question please give the	one answer th	at comes clu	nsest to th	he man non	have he	on <i>foo</i> lin	
Ho	by much of the time during the p	ast 4 weeks		505t to a	· ·	nube bei	, ngeetan	
		NONE OF THE TIME	A LITTLE BIT OF THE TIME	SOME OF THE TIME	A GOOD BIT OF THE TIME	MOST OF THE TIME	ALL OF THE TIME	
	a.Dld you feel full of pep?							(2/28)
	b. Have you been a very nerv person?	ous						(2/29)
	 c. Have you felt so down in the dumps that nothing could 	ne 📄						
	you up?				a. 1. Xa	- Aug		(2/30)
	d. Have you felt calm and per	aceful?						(2/31)
	f. Have you felt downhearted	iand						(2/32)
	blue?	_						(2/33)
	h. Have you been a happy po	erson?						(2/34)
	I. Did you [cel tired?	ō	j j j				TO.	(2/36)

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29.	How long ago were you diagnosed as HIV positive?		(2/37)
	 Less than a month One to six months 	1 to 2 years 3 to 4 years	
	More than six months, but less than a year	5 years or more	
30.	How do you think you got your HIV infection? Please check all that apply		(2/38-42)
	Injection (IV) drug use		
	Heterosexual contact		
	Homosexual contact		
	Blood translusion		
	Other:		(2/43-62)
31.	What was your T cell count (CD4 count) the last the	me you were tested?	(2/63)
	Greater than 500 201-500 50-2	$100 \square \text{Less than } 50$	

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SECTION II MEDICATION HISTORY

WHICH OF THE FOLLOWING MEDICATIONS ARE YOU TAKING <u>NOW</u>? + PLEASE CHECK ALL THAT APPLY:

(2/64-77)

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 AZT (Retrovir®, zidovudine) DDI (Videx®, didanosine) DDC (Hivid®, zalcitabine) D4T (Zerit®, stavudine) 3TC (Epivir®, lamivudine) Saquinavir (Invirase®) Ritonavir (Norvir®) 	 Indinavir (Crixivan®) Trimethoprim or Sulfamethoxazole (Bactrim®, Septra®) Clarithromycin (Biaxin®) Dapsone Fluconazole (Diflucan®) Itraconazole (Sporanox®) Rifabutin (Mycobutin®)
Other:	/ ; / ;

We would like to ask you about each medicine that you are <u>currently taking</u>. Please fill out the following 2 page medication form for each medicine that you checked on the above list.

- + If you are currently taking 1 medication, fill out 2 pages.
- + If you are currently taking 2 medications, fill out 4 pages.
- + If you are currently taking 3 medications, fill out 6 pages.

If you are currently taking more than 3 medications, please fill out 6 pages and additional pages in the Supplement at the end of this questionnaire.

Pease go to page 12 after you have filled out these medication forms. .

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MEDICATION #1

MEDICINE NAME	(3/1-20)
 This medicine is for: HIV infection To treat or prevent PCP (Pneumocystis carinii pneumonia) To treat or prevent MAI (Mycobacterium avium complex) infection To treat or prevent fungal infections (Candida or "thrush") 	(3/21)
Don't know	(3/22-41)
2. How often do you take this medicine?	(3/42-50)
 Two times a week Three times a week Every other day Once a day Two times a day Three times a day Four times a day Five times a day Other 	(3 (51.70)
2 New long have you have taking this midiantian?	(0/01-10)
3. How long have you been taking this medication? Less than 1 month 6 months to 1 year 1 to 3 months 1 to 2 years 4 to 6 months more than 2 years	(3/71)
 4. During the <u>last 3 months</u>, have you ever <u>stopped taking</u> this medication because you felt better? YES NO 	(3/72)
 5. During the last 3 months, have you ever stopped taking this medication because you worse? YES NO 	s felt (3/73)
6. During the <u>last 3 months</u> , have you ever <u>forgotten to take</u> this medication?	(3/74)
7. During the <u>last 3 months</u> , have you at times been <u>careless about taking</u> this medica YES NO	tion? (3/75)
 8. During the <u>last 3 months</u>, have you ever <u>taken less</u> of this medicine than your doctor prescribed because you felt better? YES NO)r (3/76)
 9. During the <u>last 3 months</u>, have you ever <u>taken less</u> of this medicine than your doctor prescribed because you felt worse? YES NO)r (3/77)

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10.	Since you bega	<u>an taking</u> this n	nedication, have you ev	ver purposely:	:		
					YES	NO	
	 a) taken more (b) taken less of c) discontinues 	of the medicine f f the medicine the	than your physician pr nan your physician pre	escribed? scribed?			(3/78) (3/79)
	c) discontinued	u or stopped tak	ing your metication?				[3/80]
	<u>If yes</u> .						
	11. a) How ma	any times have y	ou discontinued your	medication fo	r more tha	n 3 days?	(4/1-2)
	b) What w (P	vere your reason lease check all t	s for discontinuing you hat apply)	r medication:	?		(4/3-8)
		My doctor reco Too many side	ommended it				
		I didn't want f	o be reminded of my ill	Iness			
		Problems with					
] I didn't think	It among working				
		Other:					(4/9-28)
10		- differente te te te			Duran at Alia		ham
12	many times d	lid you miss a de	ose of MEDICATION 1?		During the	past week	(4/29-30)
13	During the pa	st month, abou	t how many times did	Vou miss a d	lose of MEI	DICATION 1	?
10	. 5 anng are <u>pa</u>		chow many chieco and	you miloo u u	000 01 1010		- {4/31-32}
						*** (34)	•••
14	During the <u>pa</u>	st three month	<u>is</u> , about how many ti	mes did you r	niss a dose	e MEDICA ^I TI	ON 1? (4/33-34)
15	5. Please check a	any side effect(s	you are having that yo	ou believe are	caused by	this medici	(4/35-50)
	 nausea dizziness vomiting abdomina diarrhea other: 	l pain	shortness of bread muscle aches fatigue tingling in hands, numbness in han	th /feet nds/feet .		headaches anxiety/wor depression rash sensitivity t	ту 0 suп (4/51-70)
					,		
				*			
					-	-	

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MEDICATION #2

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MEDIC	INE NAME	(5/1-20)
1. Th	is medicine is for:	(5/21)
	HIV infection To treat or prevent PCP (<i>Pneumocystis carinii pneumonia</i>) To treat or prevent MAI (Mycobacterium avium complex) infection To treat or prevent fungal infections (<i>Candida</i> or "thrush")	
	Other: Don't know	(5/22-41)
2. Ho	ow often do you take this medicine?	(5/42-50)
] Two times a week] Three times a week] Every other day	
	J Once a day] Two times a day	
	Three times a day Four times a day Fire times a day	
Ľ] Other:	(5/51-70)
3. H 	Iow long have you been taking this medication? Less than 1 month 6 months to 1 year 1 to 3 months 1 to 2 years 4 to 6 months more than 2 years	(5/71)
4. <i>E</i> f	During the <u>last 3 months</u> , have you ever <u>stopped taking</u> this medication because you felt better?	(5/72)
	C YES NO	
5. <i>I</i>	During the <u>last 3 months</u> , have you ever <u>stopped taking</u> this medication because you fe worse?	1t (5/73)
	LYES NO	
6. 1	During the <u>last 3 months</u> , have you ever <u>forgotten to take</u> this medication?	(5/74)
7.	During the <u>last 3 months</u> , have you at times been <u>carcless about taking</u> this medication YES INO	n? (5/75)
8.	During the <u>last 3 months</u> , have you ever <u>taken less</u> of this medicine than your doctor prescribed because you felt better?	(5/76)
9.	During the <u>last 3 months</u> , have you ever <u>taken less</u> of this medicine than your doctor prescribed because you felt worse?	(5/77)
	<u>f</u> .s	

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a) taken more of the medicine than your physician prescribed? Image: State is a solution of the medicine than your physician prescribed? Image: State is a solution of the medicine than your medication? (5/78) c) discontinued or stopped taking your medication? (5/78) (5/78) I. a) How many times have you discontinued your medication? (6/3-8) If ues. (6/3-8) 1) What were your reasons for discontinuing your medication? (6/3-8) Please check all that apply (6/9-28) I didn't want to be reminded of my illness (6/9-28) 12. Sometimes it is difficult to take prescribed medicine all the time. During the past week, how many times did you miss a dose of MEDICATION 2? (6/3-32) 13. During the past month, about how many times did you miss a dose of MEDICATION 2? (6/3-32) 14. During the past three months. about how many times did you miss a dose of MEDICATION 2? (6/3-32) 15. Please check any side effect(s) you are having that you believe are caused by this medicine: (6/3-32) Image: a distor for a shortness of breath diarrhea (6/3-70) I charthea (6/3-70) (6/3-70) (6/3-1.70) (6/3-1.70) (6/3-1.70) (75-50) (75-70) (6/3-1.70) (75-70) (75-70) (75-70)	10. <u>Since you bega</u>	n taking this m	nedication, have you ever purp	osely:		
a) taken more of the medicine than your physician prescribed? b) taken less of the medicine than your physician prescribed? [5778] c) discontinued or stopped taking your medication? [578] fLues. [578] 11. a) How many times have you discontinued your medication for more than 3 days? [671-2] b) What were your reasons for discontinuing your medication? [673-8] Please check all that apply [578] I didn't want to be reminded it [578] Too many side effects [1 didn't think it was working I didn't think it was working [679-28] 12. Sometimes it is difficult to take prescribed medicine all the time. During the past week, how many times did you miss a dose of MEDICATION 2? [673-34] 13. During the past month, about how many times did you miss a dose MEDICATION 2? [673-34] 15. Please check any side effect(s) you are having that you believe are caused by this medicine: [673-36] [673-37] [673-37] [673-36] [673-37] [673-36] [673-37] [673-37] [673-36] [673-36] [673-36] [673-37] [673-36] [673-37] [673-36] [673-36] [673-36] [673-36] [673-36] [673-36] [673-36] [673-36] [673-36] [673-36] [673-36] [673-36] [673-37] [673-36] [673-36] [673-37] [673-36] [673-36] [673-36] [673-36] [673-36] [673-36] [673-36] [673-36] [673-37] [673-37] [673-37] [673-36] [673-37] [673-36] [673-36] [673-36] [673-37] [673-37] [673-37] [673-36] [673-36] [673-36] [673-36] [673-36] <				YES	NO	
c) discontinued or stopped taking your medication? If ues. 11. a) How many times have you discontinued your medication for more than 3 days? (6/1-2) b) What were your reasons for discontinuing your medication? (6/3-6) Please check all that apply (6/3-6) By doctor recommended it (6/3-6) Company side effects (6/9-26) Company side effects (6/9-26) Company times did you miss a dose of MEDICATION 2? (6/9-26) 12. Sometimes it is difficult to take prescribed medicine all the time. During the past week, how many times did you miss a dose of MEDICATION 2? (6/3-34) (6/3-34) 13. During the past three months. about how many times did you miss a dose of MEDICATION 2? (6/3-3-4) (14. During the past three months. about how many times did you miss a dose MEDICATION 2? (6/3-3-4) (15. Please check any side effect(s) you are having that you believe are caused by this medicine: (axiety/worry) (atarthea Batigue Batigue (atarthea Batigue Batigue (atarthea Batigue Batigue (atarthea Batigue Batigue (atarthea Batigue (batigue (atarthea Batigue (a) taken more ob) taken less of	f the medicine t the medicine th	han your physician prescribed aan your physician prescribed?	?		(5/78) (5/79)
If ues. 11. a) How many times have you discontinuing your medication for more than 3 days? (e/1-2) b) What were your reasons for discontinuing your medication? (e/3-8) Please check all that apply (e/3-8) B) My doctor recommended it (e/3-8) C) Too many side effects (e/3-28) C) I didn't want to be reminded of my illness (e/9-28) 12. Sometimes it is difficult to take prescribed medicine all the time. During the past week, how many times did you miss a dose of MEDICATION 2? 13. During the past month, about how many times did you miss a dose of MEDICATION 2? (e/3-34) 14. During the past three months. about how many times did you miss a dose MEDICATION 2? (e/3-34) 15. Please check any side effect(s) you are having that you believe are caused by this medicine: (e/35-50) (arash (arash (arash (atarthea (bingling in hands/feet (arash (atarthea (bingling in hands/feet (arash (bingling in hands/feet (arash (af51-70)	c) discontinued	or stopped taki	ing your medication?			(5/80)
b) What were your reasons for discontinuing your medication? [6/3-6] Please check all that apply	<u>If yes</u> . 11. a) How ma	ny times have y	ou discontinued your medicati	on for more	than 3 days?	(6/1-2)
My doctor recommended it Image: Construct of the past distribution of the past distretex distretex distribut	b) What we Ple	ere your reasons ease check all th	s for discontinuing your medica at apply	ation?		(6/3-8)
I doctor recommended it is in the intervention of the past working [] didn't want to be reminded of my illness [] roblems with insurance coverage [] I didn't think it was working [] Other:	Г	My doctor reco	mmended it			
1. I didn't want to be reminded of my illness Problems with insurance coverage I didn't think it was working Other: Other: Other: (6/9-28) 12. Sometimes it is difficult to take prescribed medicine all the time. During the past week, how many times did you miss a dose of MEDICATION 2? 13. During the past month, about how many times did you miss a dose of MEDICATION 2? 14. During the past three months, about how many times did you miss a dose MEDICATION 2? 15. Please check any side effect(s) you are having that you believe are caused by this medicine: (4/35-50) muscle aches dizziness abdominal pain diarrhea other: (6/51-70) (6/51-70)		Too many side	effects			
Problems with to or training coverage I didn't think it was working Other:] I didn't want t	o be reminded of my illness			
I didn't think it was working [6/9-28] 12. Sometimes it is difficult to take prescribed medicine all the time. During the past week, how many times did you miss a dose of MEDICATION 2? 13. During the past month, about how many times did you miss a dose of MEDICATION 2? [6/31-32] 14. During the past three months, about how many times did you miss a dose MEDICATION 2? [6/33-34] 15. Please check any side effect(s) you are having that you believe are caused by this medicine: [4/35-50] Inausea Ishortness of breath Is headaches Idizziness Inuscle aches Indigting in hands/feet Inausea Idiarrhea Inumbness in hands/feet Isensitivity to sun [6/51-70]		Problems with	insurance coverage			
(6/9-28) (6/9-28) (2)		I didn't think i	it was working			
12. Sometimes it is difficult to take prescribed medicine all the time. During the past week, how many times did you miss a dose of MEDICATION 2? (6/20-30) 13. During the past month, about how many times did you miss a dose of MEDICATION 2? (6/31-32) 14. During the past three months, about how many times did you miss a dose MEDICATION 2? (6/33-34) 15. Please check any side effect(s) you are having that you believe are caused by this medicine: (4/35-50) Imausea Imausea Imausea Imausea Imausea		Other	it was working			(6/9-28)
 12. Sometimes it is difficult to take prescribed medicine all the time. During the past week, how many times did you miss a dose of MEDICATION 2? (6/30-30) 13. During the past month, about how many times did you miss a dose of MEDICATION 2? (6/31-32) 14. During the past three months, about how many times did you miss a dose MEDICATION 2? (6/31-32) 14. During the past three months, about how many times did you miss a dose MEDICATION 2? (6/31-32) 15. Please check any side effect(s) you are having that you believe are caused by this medicine: (4/35-50) nausea	L .					(0) 0 20)
13. During the past month, about how many times did you miss a dose of MEDICATION 2? (6/31-32) 14. During the past three months, about how many times did you miss a dose MEDICATION 2? (6/33-34) 15. Please check any side effect(s) you are having that you believe are caused by this medicine: (4/35-50) Inausea Ishortness of breath Ishortness of breath Idizziness Imauscle aches Imauscle yworry Ishortness in hands/feet Imauscle aches Imauscle yworry Ishortness in hands/feet Imauscle aches Imauscle aches Imausea Imauscle aches Imauscle aches <	 Sometimes it is many times di 	difficult to take id you miss a do	e prescribed medicine all the the set of MEDICATION 2?	me. <u>During</u>	the past weel	k. how (6/20-30)
interference (6/31-32) interference (6/31-32) <td< td=""><td>13. During the pas</td><td>st month, about</td><td>t how many times did you mis</td><td>ss a dose of l</td><td>MEDICATION 2</td><td>2?</td></td<>	13. During the pas	st month, about	t how many times did you mis	ss a dose of l	MEDICATION 2	2?
14. During the past three months, about how many times did you miss a dose MEDICATION 2?						(6/31-32)
14. During the past three months, about how many times did you miss a dose MEDICATION 2?					Ę	
15. Please check any side effect(s) you are having that you believe are caused by this medicine: (4/35-50) □ nausea □ dizziness □ dizziness □ diarrhea □ other: □ other: □	14. During the <u>pas</u>	st three month	<u>s</u> , about how many times did	you miss a (iose MEDICAT	ION 2? (6/33-34)
Image (4/35-50)	15. Please check a	ny side effect(s)	you are having that you believ	ve are caused	t by this medic	ine:
nausea shortness of breath headaches dizziness muscle aches anxiety/worry vomiting fatigue depression abdominal pain tingling in hands/feet rash diarrhea numbness in hands/feet sensitivity to sun other: (6/51-70)		,	,		2	(4/35-50)
Other: (6/51-70)	nausea dizziness vomiting abdominal diarrhea	pain	shortness of breath muscle aches fatigue tingling in hands/feet numbness in hands/feet		 headaches anxiety/wo depression rash sensitivity 	to sun
· · · · · · · · · · · · · · · ·	other:				-	(6/51-70)
	-					
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MEDICATION #3

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MED	ICINE NAME (7	/1-20)
1.	This medicine is for: HIV infection To treat or prevent PCP (Pneumocystis carinii pneumonia) To treat or prevent MAI (Mycobacterium avium complex) infection To treat or prevent fungal infections (Candida or "thrush")	(7/21)
	Other: (7) Don't know	22-41)
2.	How often do you take this medicine? (7/	(42-50)
	Other: (7	/51-70}
3.	How long have you been taking this medication? Less than 1 month 6 months to 1 year 1 to 3 months 1 to 2 years 4 to 6 months more than 2 years	(7/71)
4.	During the <u>last 3 months</u> , have you ever <u>stopped taking</u> this medication because you felt better?	{7/72]
5.	During the <u>last 3-months</u> ; have you ever <u>stopped taking</u> this medication because you felt worse?	(7/73)
6.	During the <u>last 3 months</u> , have you ever <u>forgotten to take</u> this medication?	(7/74)
7.	During the <u>last 3 months</u> , have you at times been <u>careless about taking</u> this medication?	(7/75)
8.	During the <u>last 3 months</u> , have you ever <u>taken less</u> of this medicine than your doctor prescribed because you felt better?	(7/76)
9.	During the <u>last 3 months</u> , have you ever <u>taken less</u> of this medicine than your doctor prescribed because you felt worse?	(7/77)
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	10. <u>Since you began taking</u> this medication, have you ever purposely: YES NO	
• .	 a) taken more of the medicine than your physician prescribed? b) taken less of the medicine than your physician prescribed? c) discontinued or stopped taking your medication? 	(7/78) (7/79) (7/80)
	If yes. 11. a) How many times have you discontinued your medication for more than 3 days?	(8/1-2)
	b) What were your reasons for discontinuing your medication? Please check all that apply	(8/3-8)
	 My doctor recommended it Too many side effects I didn't want to be reminded of my illness Problems with insurance coverage 	
	Other:	(8/9-28)
-	12. Sometimes it is difficult to take prescribed medicine all the time. <u>During the past week</u> , many times did you miss a dose of MEDICATION 3?	how 3/29-30)
	13. During the <u>past month</u> , about how many times did you miss a dose of MEDICATION 3?	8/31-32)
	14. During the <u>past three months</u> , about how many times did you miss a dose MEDICATIC	N 3? 8/33-34)
	15. Please check any side effect(s) you are having that you believe are caused by this medicin	e: (8/35-50)
	Imausea Imausea	y sun (8/51-70)

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Next, we would like to ask about your attitudes toward taking each of three different kinds of medications. Please fill out each of the following sections ONLY if you <u>have taken or are</u> <u>currently taking</u> any of the medications listed in each section.

SECTION III: ANTIVIRAL MEDICATIONS Please go to page 13.

[AZT (Retrovir®, zldovudine), DDI (Videx®, didanosine), DDC (Hivid®, zalcitabine), D4T (Zerit®, stavudine), or 3TC (Epivir®, lamivudine)]

SECTION IV: ANTI-INFECTIVE MEDICATIONS..........Please go to page 21.

[Trimethoprim or Sulfamethoxazole (Bactrim®, Septra®,), Clarithromycin (Biaxin®), Fluconazole (Diflucan®), Itraconazole (Sporanox®), or Rifabutin (Mycobutin®)]

SECTION V: PROTEASE INHIBITORS Please go to page 29.

[Saquinavir (Invirase®), Ritónavir (Norvir®), or Indinavir (Crixivan®)]

Please go to page $\frac{33}{2}$ after you have completed these medication sections.

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SECTION III ANTIVIRAL MEDICATIONS

<u>REMINDER:</u> FILL OUT THIS SECTION IF YOU HAVE EVER TAKEN ANY OF THESE ANTIVIRAL MEDICATIONS: AZT (Retrovir®, zidovudine), DDI (Videx®, didanosine), DDC (Hivid®, zalcitabine), D4T (Zerit®, stavudine), or 3TC (Epivir®, lamivudine). <u>If not, skip to page 24</u>.

- If you are taking more than one antiviral medication NOW, please answer these
 questions for the medicine that is most difficult for you to take, and fill in the
 name of that medicine here

(9/1-20)

Taking medications as directed (the prescribed amount taken at the right time) is not always easy. At one time or another most people simply forget to take a dose of their medication, and sometimes people discontinue taking their medications for a while. The following is a list of possible advantages and disadvantages of taking <u>antiviral medications</u> as directed.

 For each numbered statement, please mark one box with an "X" to rate HOW IMPORTANT that statement is to you when you are thinking about whether to take your <u>antiviral</u> <u>medication</u> as directed.

		EXTREM	ELY D	PORT	ANT	5	
		VERY	D.TOI	RTANT	4		
	MODERAT	ELY IMPO	ORTAN	тз			
	SLIGHTLY L	PORTA	NT 2				
	NOT IMPORTA	NT 1					
1.	It is a hassle to take my antiviral medication several times a day						(9/41)
2.	Taking my antiviral medication as directed may delay some symptoms of HIV infection.						(9/42)
35	My family or friends approve when I remember to take my antipical medication as directed.						(9/43)
4.	Taking too many medications may not be good for my health.	·					(9/44)
5	When I take my antiviral medication as directed my doctor approves.						(9/45)
6.	Taking all of my antiviral medication as directed is too expensiv	e. 🗌					(9/46)
7.	and the my entired medication as direated, if em avoid possible complications of HIV/infection.	e 🗌					(9/47)
8.	Taking my antiviral medication as directed may make up for m unhealthy habits.	у 🗌					(9/48)

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EXTREMELY IMPORTANT 5									
Γ	v	ERY II	MPOR	TANT	4				
MOL	DERATELY	MPOF	TANT	5					
SLIG	HTLY IMPO	RTANT	12						
NOT IM	PORTANT	1							
9. When thake my antivital medication as directeds lifeel more responsible.							(9/49)		
 When I'm away from home or on vacation, taking my antivi medication as directed is difficult. 	iral						(9/50)		
 When it take my an initial modification as directed, it makes: depressed about invangitily infedime 	ന്നില്ലി						(9/51)		
 Taking my antiviral medication as directed causes too man annoying side effects. 	ıy				Ð		(9/52)		
18. Taking my antiviral medication as directed will slow down filmess	ilhiis						(9/53)		
 I worry that taking all the doses that are prescribed might good for me. 	not be						(9/54)		
15: Taking my antiviral medication as directed gives methope							(9/55)		
 I worry that the antiviral medication is doing more harm t good. 	han					D	(9/56)		
 Taking my antiviral medication as directed may help me s well longer. 	itay						(9/57)		
 It may be hard on my system, if I take my antiviral medic as directed. 	ation						(9/58)		
19. Il worsy that people will know that Brusteks fit takes my an medication as directed	લેલાઓ						(9/59)		
20. Taking my antiviral medication as directed will help me fe	eel better						(9/60)		
	:								

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Sometimes people take their medications as directed for a while, and then stop taking them for a while.

+ The following 2 questions are about how you are taking your antiviral medication RIGHT NOW.

- Do you consistently take your antiviral medication as directed? ("as directed" means taking your medication at the right time and taking the prescribed amount) (9/61-80)
 - _____a. No. I do not. and I am not considering taking my antiviral medication as directed.
 - b. No, I do not, but I am considering taking my antiviral medication as directed.
 - _____ c. No, I do not, but I am planning to start taking my antiviral medication as directed within the next month.
 - _____ d. Yes, I consistently take my antiviral medication as directed.

<u>If yes</u>,

+ 22. How long have you been taking your antiviral medication as directed?

(10/1)

- _____a. 0-3 months _____b. 4-6 months
- _____ c. 6-12 months
- _____ d. more than 12 months

Now here are some situations that might affect whether you take your <u>antiviral medication</u> for HIV infection as directed.

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For each situation, please mark one box with an "X" to rate HOW TEMPTED you would be to skip your <u>antiviral medication</u> or take a dose which is different from the one prescribed.

		EX	TREME	LY TE	MPTE	D	5	
		_ <u>_</u>	VERY 1	EMPT	TED	4	8	
	M	ODERATELY	TEMP	TED	3			
	SLI	GHTLY TEM	PTED	2				
	NOT	TEMPTED	1					
23. When you feel good and think you donit meet it.								(10/2)
24. When you are anxious about side effects.								(10/3)
25. When you want to save on the cost dryour medica	EDD:							(10/4)
26. When you wonder whether you really need your m	edicati	on.						(10/5)
27: When you feel down.		i an in the second s	0					(10/6)
28. When you experience minor side effects.								(10/7)
29: When you start to feel better.		en este este este este este este este es						(10/8)
 When your doctor doesn't seem interested in when your medication. 	ther yo	u take						(10/9)
31. When you have no energy		10 I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.						(10/10)
32. When side effects are annoying.								(10/11)

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	EXTRE	5				
	VER	Y TEM	TED	4		
MODE	ERATELY TE	MPTED	3			
NOT TEM	OPTED 1	ר ר				
33. When someone doesn't remind you to take your medication:						(10/12)
34. When your medical condition doesn't seem that bad.						(10/13)
35. When you are inlang several medications at the same time.		ם ונ				(10/14)
36. When it seems too complex to keep track of all your medical	tiòns. [ם נ				(10/15)
397. When you feelilks gloing up.		ם נ				(10/16)
 When your doctor doesn't explain why you need to take you medication. 	r [ם נ י				(10/17)
39). When you have to take several madications every days		기ㅁ				(10/18)
40. When you aren't sure if the medicine is really helping you.	C	기ㄷ				(10/19)
41. When you feel that your medication is too expensive	r (]			0,	(10/20)
42. When you don't understand why you need your medication	. [כ	ם וי			(10/21)
43: When you think that you aren't that sick			ם ר		Ď	(10/22)
44. When your family or friends don't seem concerned enough about your condition.	[קו			(10/23)
45. When your doctor doesn'thencourage you to take your med	(e:000	ב כ	קו	ם, נ		(10/24)
46. When your family or friends don't seem interested in wheth you take your medication.	ner][]			(10/25)
47. When your about dream seen concerned enough abouty condition.	OIF		מ כ	ᅴᄃ		(10/26)
48. When your insurance doesn't cover the cost of your medic	ation.] [] C	ם כ	(10/27)
49. When you lose confidence in your doctor		0 0	ם כ		ם כ	(10/28)
 When you worry that taking too many medications might for your health. 	be bad	ם[נ	כ כ	ם כ	ם כ	[10/29]
51. When you feel you should give your body a rest	an a		ם מ	3 0	ם כ	(10/30)
52. When you worry that the chemicals in the medication mig harm or hurt your body.	ght		וב		מ כ	(10/31)

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The following statements represent some thoughts and experiences that people have when they are taking <u>antiviral medications</u> on a regular basis. Think about your thoughts and experiences during the past month.

+ For each numbered statement, please mark one box with an "X" to best describe HOW OFTEN that thought occurs or has occurred for you during the past month.

						VER	r oft	EN	5	
						OFT	EN	4		
				OCCA	SIONAL	LY	3			
		لے `		RAREL	r1	2				
				NEVER	1					
53. itseekoutinewinfor medications	ກະເດັດກັດກະເມີເຮັດໃນຮັດໃ	i Gillifia i	wen	ittiral)						(10/32)
54. I call my health care antiviral medication	e provider if I have quest s.	ions abou	it taki	ng my						(10/33)
55 Thave someone lice medications as dire	n count on to help me le Sted	komyai	លើហ៊ានា							(10/34)
56. I reward myself whe	n I take my antiviral me	dications	as di	rected.						(10/35)
57 Juse reminders to 1	ielp metremeniber io laik	canyanli	હોઓ			D ¹				(10/36)
58. When I am tempted I remind myself abo	to skip a dose of my and out the importance of sta	tiviral me lying on s	dicati chedu	on, ile.						(10/37)
.59. it promise myself an as directed.	d others to take my and	រោទានចាល់	102010	ns						(10/38)
60. I feel good about m medications as dire	yself when I remember to	o take my	antiv	riral .						(10/39)
ioit it get opset with my ioignten to take m	self when it think about y antivital medications	ពិទេខិញាឝទ	ઓભા	ultyc						(10/40)
62. I think that taking provide knowledge	my antiviral medications to help others who have	s as direc HIV infe	ted m ction.	ay						(10/41)
63 Fido something spo medications as dir	cial for myself when lita ected.	ke my an	ivini							(10/42)
64. When taking my a myself of all the be	ntiviral medications feels enefits of continuing to ta	s like a ha ake them	issle. r e gul:	I remino arly.	i 🗆					(10/43)
65. Ditall myself that it my antiviral medic	ollowing a regular schedu ations as directed.	newill in	ŊŶŴĞ	siake ,						(10/44)
66. When I'm unable I'm disappointed i	to take my antiviral medi n myself.	ications a	s dire	cted.			ור			(10/45)
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			VER	Y OFT	EN	s	
			OFT	EN	4		
	OCCASI	ONAL		3			
· · · · · · · · · · · · · · · · · · ·	RARELY		2				
67. Aget-upset-when thear about people like me who stop taking antiviral medications.	lineir [(10/46)
68. I think that taking my antiviral medications as directed will h my family and friends by giving them hope.	nelp [(10/47)
69. Resterny health care provider for information about my antive medications.	iteat						(10/48)
 I talk to my health care provider before changing the way I ta my antiviral medications. 	ike		□				(10/49)
7.1. Someone close to me combines me to believely anitotral medice as directed	tions,						(10/50)
72. I build taking my antiviral medications into my schedule.	• ,						(10/51)
78) Jusq and Ill organization inner (officip materials my anity raity ra							(10/52)
74. When I am on vacation or away from home. I make special e to continue taking my antiviral medications as directed.	fforts					ļ.	(10/53)
75. It encourage mysell to stick to my regular medication schedu	ile.						(10/54)
76. I get upset with myself when I skip my antiviral medications	5.						(10/55)
77. If feel that, when it take my antivital medications as directed, a good role model for others	Lam						(10/56)
 When I plan my day. I make sure to include taking my antiv medications. 	viral						(10/57)
79: Luse everyday events like brushing my teelh or when my all clock goes off to semind me to take my antiviral medication time.	arm 5:00						(10/58)
80. When it is difficult to take my antiviral medications as direct I remind myself that others are counting on me.	cted.						{10/59}
81. I stek to my plan for taking my antiviral medications as di	તલ્લોઓ				כ		(10/60)
82. I think that I am making a contribution to scientific knowle about HIV by taking my antiviral medications as directed.	edge			<u>ן</u> ר		ם נ ב	(10/61)
83. If think about the benefits of taking my antiviral medication	าร.		<u> </u> ר	ם כ	ם כ	ם כ	(10/62)

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			VER	Y OF1	TEN	5	
			OFT	EN	4		
	OCCASI	IONAL		3			
	RARELY		2				
	NEVER	1					
84 It call my health care provider when item concerned shout side effects.							(10/63)
 Emotional support from others helps me take my antiviral medications as directed. 							(10/64)
isymosii (imiozuseaniiestionii (istorins ym szisti imitw. di) ifezon	mbit.						(10/65)
87. I try to take my antiviral medications at the same time and so that I won't forget.	place		·[•]				(10/66)
്ള്. Wnammy symptons don'useamio impava, uramid mysa അഭവത്തിന്നെ സ്റ്റേഷ്ണ ക്യിന്നും ഇന്നിന്നും ട്രണ്ട്	QÎ		Q			. 🗖	` (10/67)
89. I use determination to help me stick to my regular medication-taking schedule.			Ċ				(10/68)
90. If feel that it am less likely to be a burden to others if it take an ity rail medications as directed.							(10/69)
91. I tell myself and others that I will take my antiviral medica as directed.	tions						(10/70)
 92. If feel that my health care provider listens when it have que about my antiviral medications. 	silons						(10/71)
 I have someone I can rely on to help me with my antiviral medication schedule. 							(10/72)
94. Throw that my family and thends appresence my taking m antiviral medications as directed.	wy						(10/73)
95. I avoid situations that make it difficult for me to remember take my antiviral medications.	er to						(10/74)
96: When Princoncerned about my antiviral medication losing effectiveness. Fremind myself of the good reasons to conti- taking my medication as directed.	litte Litte						(10/75)
97. I feel more responsible when I am taking my antiviral medications as directed.					כ	כ	(10/75)
98. If get upset by warnings about the serious problems it cou have if it do not take my antiviral medications as illusted	10	C	כ	ם נ	כ	ם כ	(10/77)
99. I regularly check my supply of pills.				<u>ן ר</u>	ם כ		(10/78)
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	VER	Y OFT	EN	5	
	OF	TEN	4		
OCCASIONA	117	3			
RARELY	2	1			
NEVER 1					
100. In an an ber hearing about the importance of laking my antiviral inclusions as directed.					(10/79)
101. I feel that my health care provider really helps me take my antiviral medications as directed.				—	(10/80)
າເບ2, ກຳຊາເອຣາກາວກາວກິດລາ ເຊິ່ມໃຈກາວສຳຄານ ວ່າມີກາງ ກາວຢູ່ເອກັນກາຣ.					(1 1/1)
103. I feel that I've earned my health care provider's approval when I take my antiviral medications as directed.					(11/2)
10/4 Tustemealthnes to help materies my autivital motionismes 📃 🗖				Ċ	(11/3)
105. When I get depressed, I make special efforts to continue taking my antiviral medications as directed.					(11/4)
106. Emmolthappy with myself when it down take my anity all medications as directed.				.0	(11/5)
107. When I think of the times when I didn't care about taking my antiviral medications, I feel angry with myself.				ļ,	(11/6)
108. Uplan ahead for when my antivital medication supply will .					(11/7)

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SECTION IV ANTI-INFECTIVE MEDICATIONS

REMINDER: FILL OUT THIS SECTION IF YOU HAVE EVER TAKEN ANY OF THESE MEDICINES TO HELP PREVENT PNEUMONIA OR INFECTION:

Trimethoprim or Sulfamethoxazole (Bactrim®, Septra®,), Clarithromycin (Biaxin®), Fluconazole (Diflucan®), Itraconazole (Sporanox®), or Rifabutin (Mycobutin®). If not, skip to page 34.

 If you are taking more than one anti-infective medication NOW, please answer these questions for the medicine that is most difficult for you to take, and fill in the name of that medicine here

(11/8-27)

 If you have discontinued your anti-infective medication, please answer these questions for the medicine that you took most recently, and fill in the name of that medicine here

(11/28-47)

Taking medications as directed (the prescribed amount taken at the right time) is not always easy. At one time or another most people simply forget to take a dose of their medication, and sometimes people discontinue taking their medications for a while. The following is a list of possible advantages and disadvantages of taking <u>anti-infective medications</u> as directed.

 For each numbered statement, please mark one box with an "X" to rate HOW IMPORTANT that statement is to you when you are thinking about whether to take your <u>anti-infective medication</u> as directed.

		_		_			
	EXT	REME	LY IN	POR	TANT	25	
	VERI	' IMP	ORTA	NT	4		
мод	ERATELY	IMPO	RTAN	т 3			
SLIGHT	LY IMPORT	ANT	2				
NOT DAP	ORTANT	1					
 It is a hassle to take my anti-infective medication several tin a day. 	ites						(11/48) `
 Taking my anti-infective medication as directed may delay s symptoms of HIV infection. 	ome						(11/49)
 My family or friends approve when it remember to telke my antisinfective medication as directed. 							(11/50)
4. Taking too many medications may not be good for my health	h.				Ģ	·⊡	(11/51)
5 When Htake my anti-infective medication as directed my do approves	ctor				□		(11/52)
 Taking all of my anti-infective medication as directed is too expensive. 							(11/53)
 If it take my anti-infective medication as directed, it can avoil possible complications of HIV infection. 	d						(11/54)

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EXT	REM	ELY D	PORT	TANT	5	
VER	Y IMP	ORTA	NT	4		
MODERATELY	IMPO	RTAN	ТЗ			
SLIGHTLY IMPOR	TANT	2				
NOT DEPORTANT	1					
 Taking my anti-infective medication as directed may make up for my unhealthy habits 						(11/55)
When I take my anti-infective medication as directed. I feel more responsible.						(11/56)
10. When its avery from home or on veretion, is higging anti- infeetive medication as alreaded is differily.						(11/57)
 When I take my anti-infective medication as directed, it makes me feel depressed about having HIV infection. 						(11/58)
12. Taking my antismicetive medication as directed causes too many 						(11/59)
 Taking my anti-infective medication as directed will slow down this illness. 					□	(11/60)
14. I worry that taking all the doses that are prescribed might not be good for me.						(11/61)
15. Taking my anti-infective medication as directed gives me hope.						(11/62)
16. It worry that the anti-infective medication is doing more bern than good						(11/63)
 Taking my anti-infective medication as directed may help me stay well longer. 						(11/64).
18. It may be have on my system if this kerny authiniceline medication as directed.						(11/65)
 I worry that people will know that I'm sick if I take my anti- infective medication as directed. 	, 🗖					(11/66)
20. Taking my anti-infective medication as directed will help me feel better.			כ	<u>ו</u> ר		(11/67).
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Sometimes people take their medications as directed for a while, and then stop taking them for a while.

 The following 2 questions are about how you are taking your anti-infective medication RIGHT NOW.

- 21. Do you consistently take your anti-infective medication <u>as directed</u>? ("as directed" means taking your medication at the right time and taking the prescribed amount) (11/68)
 - _____a. No, I do not, and I am not considering taking my anti-infective medication as directed.
 - ____b. No. I do not, but I am considering taking my anti-infective medication as directed.
 - _____c. No, I do not, but I am planning to start taking my anti-infective medication as directed within the next month.

ŧ

_____d. Yes, I consistently take my anti-infective medication as directed.

If yes,

+ 22. How long have you been taking your anti-infective medication as directed? (11/69)

- ____a. 0-3 months
- b. 4-6 months
- _____ c. 6-12 months
- _____d. more than 12 months

Now here are some situations that might affect whether you take your anti-infective medication for HIV infection as directed.

For each situation, please mark one box with an "X" to rate HOW TEMPTED you would be to skip your <u>anti-infective medication</u> or take a dose which is different from the one prescribed.

	EXTREM	ELY TE	MPTO		5	
·	VERT TE	MPTER)	<		
M	DERATELY TEN	PTED	3			
SLICH	TLY TEMPTED	2				
NOT TH	EMPTED 1					. •
23. When you leal good and think you don't need it.						(11/70)
24. When you are anxious about side effects.						(11/71)
25. Wrenyouward to save on the cost of your medication				D		{1}/72}
26. When you wonder whether you really need your medication	on			D		(11/73)
27. When you feel down.						{11/74}
28. When you experience minor side effects.	. 🗆			8	D	{11/75}
29. When you start to feet belter,				1		(11/76)
30. When your doctor doesn't seem interested in whether you your medication.	take			Ð		(11/77)

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· _	EXT						
	VER	Y TE	MPTE	D	4		
MOI	DERATELY	TEM	OTED	з			
		50	2				
31. When you have no energy							
32. When side effects are annoying.							(11/78)
33. When someone doesn't remind you to take your mode of							(11/79)
34. When your medical condition doesn't seem that had	1						(11/80)
San the second document of the second documen		Ч	Ш	Ч			(12/1)
sex when your are taking several medications at the same time.							(12/2)
36. When it seems too complex to keep track of all your medical	tions.						(12/3)
37. When you feel like giving up							(12/4)
 When your doctor doesn't explain why you need to take you medication. 	r í í						(12/5)
39. When you have to take several medications every day.	144		Ċ				(12/6)
40. When you aren't sure if the medicine is really helping you.							(12/7)
41. When you feel that your medication is too expensive	24.4						(12/8)
42. When you don't understand why you need your medication.							(12/9)
43. When you think that you aren't that sick							(12/10)
 When your family or friends don't seem concerned enough about your condition. 							(12/11)
ຟຣີ. When your doctor doctatic encourage you in this is your medic	ation						(12/12)
 When your family or friends don't seem interested in whether you take your medication. 	er						(12/13)
47 When your doctor doesn't seem concerned enough about your condition.							(12/14)
48. When your insurance doesn't cover the cost of your medicat	tion.						(12/15)
(49). When you lose confidence in your clockor							(12/16)
 When you worry that taking too many medications might be for your health. 	e bad						(12/17)
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1.



The following statements represent some thoughts and experiences that people have when they are taking <u>anti-infective medications</u> on a regular basis. Think about your thoughts and experiences during the past month.

+ For each numbered statement, please mark one box with an "X" to best describe HOW OFTEN that thought occurs or has occurred for you during the past month.

	VER	Y OFT	EN	5	
	OFT	EN	4		
OCCASIO	NALLY.	3			
. RARELY	2				
NEVER 1					
53: Ilseekoutnewinformation on the benefits of taking my antisinfective medications.				٥	(12/20)
54. I call my health care provider if I have questions about taking my anti-infective medications.	ם ונ				(12/21)
55. Thave someone it can count on to help me take my anti-infective medications as illifected.	ם נ				(12/22)
56. I reward myself when I take my anti-infective medications as directed.	ם נ				(12/23)
57. Tuse reminders to help me remember to lake my anti-infective medications.	ם נ				(12/24)
58. When I am tempted to skip a dose of my anti-infective medication, [I remind myself about the importance of staying on schedule.	ם כ				(12/25)
59. It promise myself and others to take my anti-infective model to is as directed.	ם כ				(12/26)
60. I feel good about myself when I remember to take my anti-infective medications as directed.					(12/27)
61. Jigebupsetwith myself when I think about the times when I've forgolten to take my anti-infective medications	ם כ	ם נ			(12/28)
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		VERY	OFTE	N.	5	
		OFTE	IN .	4		
OCCASI	ONAL	LY	3			
RARE		2				
NEVER	1					
62. A think that taking my anti-infective medications as directed may provide knowledge to help others who have the vintection.						(12/29)
 63. I do something special for myself when I take my anti-infective medications as directed. 						(12/30)
ມ ລາຍຂອນກະຈາມແຮ່ນລາຍສາມການການການແມ່ນ 200 ສາຍເຊັ່ງ 200 ສາຍ ການເປັນສາຍ ລາຍຄາດການຄວາມຈາກເປັນການເປັນເຮັດ ແລະ ການ ການເປັນສາຍ ລາຍຄາດການຄວາມຈາກເປັນການເປັນການ						(12/31)
65. I tell myself that following a regular schedule will help me take my anti-infective medications as directed.						(12/32)
66 When Immedie to else my antichifedive nedletions as directed. Fin disappointed in myself.						(12/33)
67. I get upset when I hear about people like me who stop taking their anti-infective medications.						(12/34)
68. If this that sing my much for mellouting as directed will help my family and there by giving them hope.						(12/35)
 I ask my health care provider for information about my anti-infective medications. 					Ċ	(12/36)
 Italk to my health care provider before changing the way litake my anti-infeative medications. 						(12/37)
 Someone close to me reminds me to take my anti-infective medications as directed. 	[]					(12/38)
722. ມີອີກເມີຍ ຂາຍັກງະກາງ ລາຍອ ິ ສິມະສາດອາດາສາມາດ ແຫຼງ ຮອ້າວໃຫຼໄອ.		þ				(12/39)
 I use a pill organizer or timer to help me take my anti-infective medications as directed. 						(12/40)
74. When I am on vacation or away from home, finalk-special efforts to continue taking my anti-infective medications as directed.						(12/41)
75. I encourage myself to stick to my regular medication schedule.		È				(12/42)
76. Jiget opset with myself when its kip my anti-infective medications.			ם ו			(12/43)
77. I feel that when I take my anti-infective medications as directed, I am a good role model for others.			ם ר] (12/44)

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·		VERY	OFT	EN 1	5	
		OFTE	N N	4		
occasi	ONAL	LY	3			
RAREI	LY :	2				
NEVER	1	ļ			-	
 When uplan my day, thmake sure to include taking my antisinicetive medications. 						(12/45)
79. I use everyday events like brushing my teeth or when my alarm clock goes off to remind me to take my anti-infective medications on time.						(12/46)
ຂອ ຂອງປະທິດ ເບັນຈາກອາດັບ ແມ່ນ ແລະ ເພື່ອນ ໃນ ທີ່ມີບໍ່ເປັນ ແມ່ນ . (08 ອາດັດດຽກປາກແຮ້ວຍຮ້ອຍເປັນ ເຮັດໃນ ໂຮຍໃນ ໂຮ <mark>ຊາ</mark> ດເປັນເດັ່ມນີ້ ແລະ ເຮັດແມ່ນ						(12/47)
 I stick to my plan for taking my anti-infective medications as directed. 						(12/48)
ອຍູໄດ້ເຫັນເອີ້າໜີ້ ໃນເດັ່ງ ແລະ ເຊິ່ງ ແລະ ເຊິ						(12/49)
83. I think about the benefits of taking my anti-infective medications.						(12/50)
84. Realling health care provider when the concerned about structure of the second structure of the se						(12/51)
85. Emotional support from others helps me take my anti-infective medications as directed.					6	(12/52)
86. When it take my anti-infective maileations as diracted, it congratulate myself.						(12/53)
87. I try to take my anti-infective medications at the same time and place so that I won't forget.						(12/54)
88. When my symptoms don't seem to improve it randad myself that its still important to take my entimized wandleition.						(12/55)
89. I use determination to help me stick to my regular medication- taking schedule.						(12/56)
90. If cell that if any less likely to be a burden to others if if this my anti-interive mether to us as directed.			ם נ	קו	ם ו	(12/57)
 I tell myself and others that I will take my anti-infective medications as directed. 			כ	<u>ן</u> ר	ם נ	(12/58)
92. Illiad that mythallth care provider listens when there questions about my antibilited we medications			ז כ	זן כ	ם נ	(12/59)
 I have someone I can rely on to help me with my anti-infective medication schedule. 		ור] c	ם כ	ם כ	(12/60)
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		VERY	OFTE	м	5	
		OFTE	N	4		
occ	SIONA	LLY	3			
RAI	RELY	2				
NEVER	ı					
94. Rithnow that my family and friends appreciate my faking my and friends appreciate my faking my and anti-infective medications as directed.						(12/61)
 I avoid situations that make it difficult for me to remember to take my anti-infective medications. 						(12/62)
ឬពាទៃ៧ហាល់ទោ២ភាព «បរិសេរាំកម្មវិពាទ បុកា វិអាចទទានិត្រកចរាកាល កាមី កចាំWF - (តិ© បានដែលទាល់ ដល់រងនេះ សេចនុះជាវិសិ វីខែមណ្ឌាស្រីកាលសារិ ឧតិភាសាធិសាធ នា សារសំណានៅចេះ សាចនុះជាវិសិន សារសារិ ខេត្ត កើយនៅជំនាំ បុកាខ្លាតវិទេ៖			Ļ			(12/63)
97. I feel more responsible when I am taking my anti-infective medications as directed.						(12/64)
.98. if get upset by versions about the serious problems it could be a serious problems it could be a serious and the serio						(12/65)
99. I regularly check my supply of pills.			Ē			(12/66)
100 tremember hearing about the importance of taking my anti-infective medications as directed.						(12/67)
 I feel that my health care provider really helps me take my anti-infective medications as directed. 						(12/68)
102. There component can talk to about allony medications						(12/69)
103. I feel that I've earned my health care provider's approval when I take my anti-infective medications as directed.						(12/70)
104. Tuse mealtimes in help me take my anti-infestive medications as directed.		╟□				(12/71)
105. When I get depressed. I make special efforts to continue taking my anti-infective medications as directed.						(12/72)
106 Tim not happy with myself whend don't a kerny mithiniaaity. maileations as directed.		כ	ז נ		ם כ] (12/73)
107. When I think of the times when I didn't care about taking my anti-infective medications. I feel angry with myself.	C	כ	כ	כ	כ	(12/74)
108. I plan ahead for when my anti-infective medication supply will can out.	C]	ם כ	ם ב	ם כ] (12/75)

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SECTION V PROTEASE INHIBITOR MEDICATIONS

<u>REMINDER:</u> FILL OUT THIS SECTION IF YOU HAVE EVER TAKEN ANY OF THESE <u>PROTEASE</u> <u>INHIBITOR</u> MEDICATIONS: Saquinavir (Invirase®), Ritonavir (Norvir®), or Indinavir (Crixivan®). <u>If not, skip to page 39.</u>

- If you are taking more than one protease inhibitor medication NOW, please answer these
 questions for the medicine that is most difficult for you to take, and fill in the name of that
 medicine here
 (13/1-20)

Taking medications as directed (the prescribed amount taken at the right time) is not always easy. At one time or another most people simply forget to take a dose of their medication, and sometimes people discontinue taking their medications for a while. The following is a list of possible advantages and disadvantages of taking <u>protease inhibitor medications</u> as directed.

1 :

 For each numbered statement, please mark one box with an "X" to rate HOW IMPORTANT that statement is to you when you are thinking about whether to take your protease inhibitor medication as directed.

	EXT	REME	LY IM	PORT	ANT	5	
	VEI	RY DAD	PORT	INT	4	:	
M	ODERATELY	IMPO	RTAN	r 3		*	
SLIG	HTLY IMPOR	TANT	2				
NOT D	MPORTANT	1					
 It is allocate to take my protesse inhibitor medication sev টোলেড a day. 	arai						(13/41)
 Taking my protease inhibitor medication as directed may some symptoms of HIV infection. 	delay						(13/42)
 My family or friends approve when it remamber to lateany protesse inhibitor medication as directed. 	Y						(13/43)
4. Taking too many medications may not be good for my hea	alth.	D					(13/44)
 When It lake my protease inhibitor medication as directed doctor approves. 	hiny		Ð			0	(13/45)
 Taking all of my protease inhibitor medication as directed too expensive. 	d is						(13/46)
7. Iffiliateousy processe inhibitor medication as directed. If e possible complications of HIV-infection.	an avoid						(13/47)
 Taking my protease inhibitor medication as directed may for my unhealthy habits. 	y make up						(13/48)

EXT	REME	LYIM	PORT	ANT	5	
VER	Y LMP	ORT	TNJ	4		
MODERATELY	IMPOR	TAN	r 3			
SLIGHTLY IMPOR	TANT	2				
NOT IMPORTANT	1					
 When it take my protease inhibitor medication as directed, if feel more responsible. 						(13/49)
 When I'm away from home or on vacation, taking my protease inhibitor medication as directed is difficult. 						(13/50)
10.1. When if the my protease in all iterated is all second, if makes more than a protection in a protection of the second se						(13/51)
 Taking my protease inhibitor medication as directed causes too many annoying side effects. 						(13/52)
 Relengency protease inhibitor medication as directed will slow down this illness. 						(13/53)
 I worry that taking all the doses that are prescribed might not be good for me. 						(13/54)
15. Ratingany protease inhibitor medication as directed gives me https://protease.inhibitor.medication.as.directed.gives.me						(13/55)
 I worry that the protease inhibitor medication is doing more harm than good. 						(13/56)
274 Balding my protease inhibitor medication as directed may help me stay well longer.						(13/57)
 It may be hard on my system, if I take my protease inhibitor medication as directed. 						(13/58)
 19. Twoiny that prople will know that Emstels (Tribuke my protease antibutor medication as directed. 						(13/59)
20. Taking my protease inhibitor medication as directed will help me feel better.		Ċ] C] C	(13/60)
				•		

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Sometimes people take their medications as directed for a while, and then stop taking them for a while.

- The following 2 questions are about how you are taking your protease inhibitor medication RIGHT NOW.
- 21. Do you consistently take your protease inhibitor medication as directed? ("as directed" (13/61) means taking your medication at the right time and taking the prescribed amount)

. . .

- _____a. No. I do not, and I am not considering taking my protease inhibitor medication as directed.
- _____ b. No, I do not, but I am considering taking my protease inhibitor medication as directed.
- _____ c. No, I do not, but I am planning to start taking my protease inhibitor medication as directed within the next month.
- _____ d. Yes, I consistently take my protease inhibitor medication as directed.

<u>If yes</u>,

- 22. How long have you been taking your protease inhibitor medication as directed?
 - ____ a. 0-3 months
 - _____ b. 4-6 months
 - _____ c. 6-12 months
 - _____ d. more than 12 months

Now here are some situations that might affect whether you take your protease inhibitor medication for HIV infection as directed.

For each situation, please mark one box with an "X" to rate HOW TEMPTED you would be to skip your protease inhibitor medication or take a dose which is different from the one prescribed.

r

	EXT	EXTREMELY TEMPTED					
	VER	Y TEN	OPTEI)	4		
м	ODERATELY	TEMP	TED	3			
SLIG	HTLY TEMPT	ED	2			İ	
NOT T	EMPTED	1					
28 When you feel good and think you don't need the							(13/63)
24. When you are anxious about side effects.							(13/64)
25. When you want to save on the cost of your medication.							(13/65)
26. When you wonder whether you really need your medication	on.						(13/66)
204. When you feel down							(13/67)
28. When you experience minor side effects.							(13/68)
29. With you strict a fact batter							(13/69)
 When your doctor doesn't seem interested in whether you your medication. 	u take						(13/70)

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(13/62)

	EXT	REME	LY TE	D :	5		
		4					
MO	DERATELY	TEM	TED	3			
SLICHT	TLY TEMPT	ED	2				
NOT TEN	MPTED	1					
31. When you have not energy.	erik i						(13/71)
32. When side effects are annoying.							(13/72)
33. When someone doesn't remind you to take your medication	u. 19						(13/73)
34. When your medical condition doesn't seem that bad.							(13/74)
35. When you are taking several medications at the same time							(13/75)
36. When it seems too complex to keep track of all your medica	ations.						(13/76)
37. When you feel like giving up:							(13/77)
 When your doctor doesn't explain why you need to take you medication. 	ur						(13/78)
39. When you have to take several metileations every day							(13/79)
40. When you aren't sure if the medicine is really helping you.							(13/80)
41. When you feel that your medication is too expensive						Ò	(14/1)
42. When you don't understand why you need your medication	n.						(14/2)
48. When you think that you aren't that sick,							(14/3)
 When your family or friends don't seem concerned enough your condition. 	n about						(14 <u>/</u> 4)
45. When your doctor doesn't encourage you to lake your me	dication						(14/5)
46. When your family or friends don't seem interested in when you take your medication.	ther						(14/6)
 When your doctor doesn't seem concerned enough about condition. 	your						(14/7)
48. When your insurance doesn't cover the cost of your medi-	cation.		ijΓ				(14/8)
491. When you lose confidence in your doolor.			כ	3			(14/9)
 When you worry that taking too many medications might bad for your health. 	t be		כ	ב נ			(14/10)
51. When you feel you should give your body a rest.		C] []] (14/11)
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52. When you worry that the chemicals in the medication might harm or hurt your body.

SECTION VI WAYS OF COPING WITH HIV

Here are some ways that different people may cope with HIV and its treatments. There are no right or wrong answers.

+ In the last month, HOW OFTEN did you think, feel, or do each item? (Please circle one number for each item)

		VER	Y OFT	EN	5	
	,	OFT	EN	4		
000	ASION	ILT	3		1	
R	URELY	2		1		
NEVER	1] 1			•	:
•		•				
In the last month, I	KK (14.	
1. concentratedion the next step	1	2	3	4	5	(14/13)
2. felt the only thing to do was wait	. 1	2	3	4	5	(14/14)
3. did something just to do something	1	2	3	4	5	(14/15)
4. talked to someone to find out more	. 1	2	3	4	5	(14/16)
5 ennezed ordennied myself	1	2	3	4	5	(14/17)
6. tried not to close off options	. 1	2	3	4	5	(14/18)
<i>%</i> ແລະ ເປັນ ເປັນ ເປັນ ເປັນ ເປັນ ເປັນ ເປັນ ເປັນ	2 1	2	3	4	5	(14/19)
8. went along with fate	1	2	3	4	5	(14/20)
9 went on as if it were not happening	1	2	3	4	5	(14/21)
10. tried to keep my feelings to myself	A 1	2	3	4	5	(14/22)
າຍໄດ້ ແລະເປັນເອົາເປັນຂອງໃນຂະເບົາເຖິງຊີ ໂດຍໃດເບົາຫາ ເບັກຂອງສາມາຈາກ່ອນ	<u>~ 1</u>	2	3	4	5	(14/23)
12. slept more than usual	1	- 2	3	4	5	(14/24)
ຟຣີ, ໄດ້ປະເບີດແຮງກາງຂາຍທູງດານແຜ່ສະຍາກຢາງຊາວວາວ	. 1	2	3	4	5	(14/25)
14. was inspired to be creative	1	2	3	4	5	(14/26)
15 Intel to forget the whole thing	1	2	3	4	5	(14/27)
16. tried to get professional help	1	2	3	4	5	(14/28)
17. changed or grew as a person in a good way	1	2	3	4	5	(14/29)
18. wailed to see what would happen before acting	1	2	3	4	5	(14/30)

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		VERY	OFT	EN	5	
		OFTE	:N	4		
OCCASI	ONAL	LY	3			
RARE	LY	2				
NEVER	1			- 1		
	1					
19. made a plan of action and followed it	1	2	3	4	5	(14/31)
20. let my feelings out somehow	1	2	3	4	5	(14/32)
221. came out of the experience better than before	1	2	3	4	5	(14/33)
22. talked to someone who could do something	1	2	3	4	5	(14/34)
23, titled to make myself (cellbetter by caung, distriking smoking, or drog use	1	2	3	4	5	(14/35)
24. took a big chance and did something risky	1	2	3	4	5	(14/36)
25. freedinoccosectoodiastily	1	2	3	4	5	(14/37)
26. found new faith	1	2	3	4	5	(14/38)
2% รรมโรงอยู่สาวมีเพื่อยู่เรีย Important เกินไห้	1	2	3	4	5	(14/39)
28. changed something so things will turn out	1	2	3	4	5	(14/40)
29. avoided being with people	1	2	3	4	5	(14/41)
30. didn't let it get to me; refused to think about it	1	2	3	4	.5	(14/42)
31. askel addemined the for ativisa	1	2	3	.4	5	(14/43)
32. kept others from knowing how bad things were	1	2	3	4	5	(14/44)
38. made light of the vehicle galloopserions.	1	2	3	4	5	(14/45)
34. talked to someone about how I was feeling	1	2	3	4	5	(14/46)
35, took it out on other neople	1	2	3	4	5	(14/47)
36. drew on past experiences from similar situations	1	2	3	4	5	(14/48)
397. สิตเลขานโลยไลย์ไม่มีโละไปการเรา การสะกรณ์ (สไตรีสะ	1	2	3	4	5	(14/49)
38. refused to believe it was happening	1	2	3	4	5	(14/50)
-39), came up with different solutions	1	2	3	4	5	(14/51)
40. tried to keep my feelings from interfering	1	2	3	4	5	(14/52)
49. changed something about myself	1	2	3	4	5	(14/53)
42. wished the situation would go away or be over	1	2	3	4	5	(14/54)
43 had lantasics/wishes about how it might itum out	1	2	3	4	5	(14/55)
44. prayed	1	2	3	4	5	(14/56)
45. prepared for the worst	1	12	3	4	5	(14/57)
46. went over in my mind what I would say or do	1	2	3	4	5	(14/58)
4% dioudicollinow a passon technice would cale	1	2	3	- 4	5	(14/59)
48. reminded myself how much worse things could be	1	2	3	4	5	{14/60
49), triadio find out as much as iteaulti	1	2	3	4	5	(14/61)
50. treated the illness as a challenge	1	2	3		5	(14/62)
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Now here are some questions about injection (skin popping or IV) drugs.

Please circle or fill in the correct response for each question.

51. Have you ever used injection drugs?

No
Yes.

<u>If yes,</u>

+ Please fill out the remaining questions only if you have ever used injection drugs.

(14/63)

[14/64]

52. Do you use injection drugs now?

No. not in the past 6 months	,
Yes, occasionally Yes, regularly	

If injected at all during the past 6 months.

+ 53. During the past 6 months, how often have you injected the following:

	NEVER	LESS THAN TWICE PER MONTH	2-4 Times Per Month	2-7 TIMES PER WEEK	MORE THAN ONCE PER DAY	Â.
a. Heroin by itselfb. Cocaine by itself?c. Cocaine and heroin, or speedball?d. Amphetamines, such as uppers,						(14/65) (14/66) (14/67) (14/68)

+ 54. During the past 6 months, how often did you use a brand new needle or one that you are sure no one else used EACH TIME you shot up? (14/69)

Never Rarely Sometimes Almost always Always

+ 55. During the past 6 months, how many people did you share needles or works with? (14/70)

None	:
1 other person 2-3 different people	4-10 different People More than 10 different people

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+ 56. During the past 6 months, how often have:

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		NEVER	LESS THAN TWICE PER MONTH	2-4 Times Per Month	2-7 Times Per Week	MORE THAN ONCE PER DAY	
a.	You used needles or works after someone without cleaning?						(14/71)
b.	Others used needles or works after you without cleaning?						(14/72)
c.	You used a needle after someone who is HIV positive had used it?						(14/73)
d.	You shot up in a shooting gallery, hit house or another place where groups of users shoot up?	Ο,		□			(14/74)
e.	You shared rinse water?						(14)/75)
f.	You shared a cooker?						(14/76)
g.	You shared cotton?		D,		Ì.		(14/77)

+ 57. During the past 6 months, where did you get needles?

	SOME of (Answer y	your needles jes or no to all)	MOST of your needles [‡] (Check only one)	
 a. At an ecdle exchange? b. On the street? c. in a shooting gallero? d. At a drugstore? c. At the same place where c. and the same place where 				(14/78) (14/79) (14/80) (15/1) (15/2)
f. From a diabetic? g. From another personnole mentioned? h. From another place not				(15/3) (15/4)
 58. <u>During the past 6 months</u> ties getting needles from a <i>Please</i> check all that apply 	, if you have needle exe	ven't used a nee change, how co	dle exchange, or if you had dif me?	(13/3) (lîcul- (15/6-11)
 Don't know about it Too far Open too few hours 				

ŏ	Scared of getting arrested	
	Scared someone will see me there	
	Other reason (please specify)	(15/12-32)

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59.	Are you planning to use only your own works (needles, syringes, cotton, cooker, water) or a brand new needle EVERY TIME you inject within the next 6 months? how soon?	rinse If so. (15/33)
	 NO. I am not planning to start using new needles every time YES. within the next year YES. within the next 6 months YES, within the next month YES. I already use new needles every time 	
60.	Have you been using new needles every time you use IV needles? If so, for how long?	(15/34)
	 NO. I have not been using using new needles every time YES. for 30 days or less YES. for MORE than 30 days but LESS than 6 months YES. for MORE than 6 months but LESS than a year YES. for MORE than a year 	
61.	Now, how ready are you to STOP using injection drugs completely?	(15/35)
	 Not ready Somewhat ready Ready Very Ready 	
		i.

For information about needle exchange in Rhode Island, call (401) 277-2320.

For information on the "Medication for The Needy-Assistance Program" at The University of Rhode Island, call 1-800-215-9001.

This completes this survey. Thank you for your assistance with this project & for sharing your thoughts on HIV related medications.

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SUPPLEMENT TO SECTION II

MEDICATION #4	
MEDICINE NAME	(15/36-55)
 This medicine is for: HIV infection To treat or prevent PCP (Pneumocystis carinil pneumonia) To treat or prevent MAI (Mycobacterium avium complex) infect To treat or prevent fungal infections (Candida or "thrush") Other: Don't know 	(15/56) Jon
Lion often de yeu teke thit medicine?	(15/77)
 2. How often do you take this medicine? Two times a week Every other day Once a day Two times a day Three times a day Four times a day Five times a day Other:	(13/77)
3. How long have you been taking this medication?	(16/1-20)
Less than 1 month 6 months to 1 year 1 to 3 months 1 to 2 years 4 to 6 months more than 2 years	
4. During the last 3 months, have you ever stopped taking this manual that a start and the start and	edication because you felt
	(10/21)
 5. During the <u>last 3 months</u>, have you ever stopped taking this m worse? YES INO 	edication because you felt (16/22)
6. During the <u>last 3 months</u> , have you ever <u>forgotten to take</u> this YES INO	medication? (16/23)
7. During the <u>last 3 months</u> , have you at times been careless abo	out taking this medication?(16/24)
 8. During the <u>last 3 months</u>, have you ever taken less of this measure scribed because you felt better? YES INO 	dicine than your doctor pre- (16/25) -
 9. During the <u>last 3 months</u>, have you ever taken less of this me scribed because you felt worse? YES NO 	dicine than your doctor pre- (16/26)

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10.	<u>Since you b</u>	egan taking t	his medication, have	you ever pur	posely:		
					YES	NO	
:	a) taken mo	ore of the medic n prescribed?	tine than your				(16/27)
	b) taken les prescrib	s of the medici ed?	ne than your physic	lan			(16/28)
	c) discontir	ued or stopped	l taking your medica	tion?			(16/29)
	If yes,		. *				
	+ 11.a)	How many tim than 3 days?	es have you discont	inued your m	edication	for more	[16/30-31]
	b)	What were you Please check	ur reasons for discor all that apply	ntinuing your	medicatio	on?	(16/32-37)
		 My doctor Too many I didn't wa Problems I didn't thi Other: 	recommended it side effects int to be reminded of with insurance cover ink it was working	f my illness rage			(38-57)
							• • • •
12.	Sometimes many tim	s it is difficult to es did you miss	o take prescribed me s a dose of MEDICAT	dicine all the	time. <u>D</u> 1	uring the pa	<u>st_week</u> , how (16/58-59)
13	During the	e past month,	about h ow many ti	nes did you n	niss a dos	se of MEDICA	ATION 4? (16/60-61)
14	. During the	e past three m	onths, about how n	nany times di	d you mi	ss a dose MI	EDICATION 4? (16/62-63)
15	. Please che	eck any side eff	ect(s) you are having	g that you beli	eve are c	aused by thi	s medicine: (16/64-79)
	 nause: dizzine vomiti abdom diarrh other: 	a ess ng ninal pain ea	 shortness of bread muscle aches fatigue tingling in hand numbness in had 	ath s/feet nds/feet	h d d ra s	eadaches nxiety/worry epression ash ensitivity to s	sun (17/1-20)

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MEDICATION #5

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MEDICINE NAME	(17/21-40)
 1. This medicine is for: HIV infection To treat or prevent PCP (Pneumocystis carinii pneumonia) To treat or prevent MAI (Mycobacterium avium complex) infection To treat or prevent fungal infections (Candida or "thrush") Other: Don't know 	{17/41} (17/42-61)
2. How often do you take this medicine?	(17/62)
 Two times a week Three times a week Every other day Once a day Two times a day Three times a day Four times a day Five times a day Other:	(18/1-20)
3. How long have you been taking this medication?	(18/21)
Less than 1 month 6 months to 1 year 1 to 3 months 1 to 2 years 4 to 6 months more than 2 years	-
4. During the last 3 months, have you ever stopped taking this medication because you better?	felt (18/22)
LI YES LI NO	
During the <u>last 3 months</u>, have you ever stopped taking this medication because you worse?	(18/23)
YES NO	
6. During the <u>last 3 months</u> , have you ever <u>forgotten to take</u> this medication?	{18/24}
7. During the <u>last 3 months</u> , have you at times been careless about taking this medical YES NO	tion? (18/25)
 8. During the <u>last 3 months</u>, have you ever taken less of this medicine than your docto scribed because you felt better? YES NO 	, pre- (18/26)
 9. During the <u>last 3 months</u>, have you ever taken less of this medicine than your docto scribed because you felt worse? YES NO)r pre- (18/27)

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10. Since ye	ou began taking	this medication, hav	e you ever purp	oscly:		
				YES	NO	
a) taker phys	n more of the med ician prescribed?	licine than your				(18/28)
b) taker pres	n less of the medi cribed?	cine than your physic	cian			(18/29)
c) disco	ntinued or stopp	ed taking your medic	ation?			(18/30)
If yes	5.	,				
- + 1	1.a) How many ti than 3 days?	mes have you discon	tinued your me	dication f	or more	(18/31-32)
	b) What were y Please check	our reasons for disco c all that apply	ntinuing your r	nedlcation	n?	(18/33-38)
	☐ My docto ☐ Too man ☐ I didn't v ☐ Problems	r recommended it y side effects vant to be reminded o s with insurance cove	of my illness trage			
	I didn't t	hink it was working				(18/39-58)
12. Someti many	mes it is difficult times did you mi	to take prescribed m ss a dose of MEDICA	edicine all the t	time. <u>Dur</u>	ing the past we	eek, how
13. During		, about now many ti	mes dia you m	155 a 0050	OIMEDICATIO	(18/61-62)
14. During	g the past three n	months, about how r	nany times dic	l you mis:	s a dose MEDIC	ATION 5? (18/63-64)
15. Please	check any side e	ffect(s) you are havin	g that you belie	eve are ca	used by this me	dicine: (18/65-80)
☐ na ☐ diz ☐ vo; ☐ ab ☐ diz ☐ ot]	usea iziness miting dominal pain arrhea her:	 shortness of bre muscle aches fatigue tingling in hand numbness in ha 	rath Is/feet ands/feet	hea an dep ras ser	adaches xiety/worry pression sh nsltivity to sun	- (19/1-20)

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MEDICATION #6

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MED	ICINE NAME	[19/21-40]
1.	This medicine is for: HIV infection To treat or prevent PCP (Pneumocystis carinii pneumonia) To treat or prevent MAI (Mycobacterium avium complex) infection To treat or prevent fungal infections (Candida or "thrush") Other: Don't know	(19/41) (19/42-61)
2.	How often do you take this medicine?	(19/62)
	 Two times a week Three times a week Every other day Once a day Two times a day Three times a day Four times a day Five times a day Other 	(20 / 1-20)
-		(20) 1-20)
3.	How long have you been taking this medication?	(20/21)
	1 to 3 months 1 to 2 years 4 to 6 months more than 2 years	ė
4.	During the last 3 months, have you ever stopped taking this medication because yo better?	u felt (20/22)
5.	During the <u>last 3 months</u> , have you ever stopped taking this medication because yo worse?	u felt (20/23)
	LI YES LI NO	
6.	During the <u>last 3 months</u> , have you ever <u>forgotten to take</u> this medication?	(20/24)
7.	During the <u>last 3 months</u> , have you at times been careless about taking this medic YES NO	ation? (20/25)
8.	During the <u>last 3 months</u> , have you ever taken less of this medicine than your doc scribed because you felt better?	tor pre- (20/26)
9.	 During the <u>last 3 months</u>, have you ever taken less of this medicine than your doc scribed because you felt worse? YES NO 	tor pre- (20/27)

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10. <u>Since you b</u>	began taking thi	s medication, have	you ever purp	osely:				
				YES	Ю			
a) taken me physicia	ore of the medicin n prescribed?	ne than your				(20/28)		
b) taken les prescrib	ss of the medicin ed?	e than your physic	ian			(20/29)		
c) discontin	nued or stopped	taking your medica	tion?			(20/30)		
If yes.								
→ 11.a)	+ 11.a) How many times have you discontinued your medication for more than 3 days?							
b) What were your reasons for discontinuing your medication? Please check all that apply								
	My doctor re Too many si I didn't wan Problems w I didn't thin	ecommended it ide effects t to be reminded of ith insurance cover k it was working	f my illness rage	•	•			
	Other:					(20/39-58)		
 12. Sometimes it is difficult to take prescribed medicine all the time. <u>During the past wee</u> many times did you miss a dose of MEDICATION 6?								
14. During th	e past three mo	nths, about how n	nany times did	you miss	a dose MEDICA	(20/61-624 ATION 6? (20/63-64)		
15. Please check any side effect(s) you are having that you believe are caused by this medicine: (20/65-80)								
 nause dizzin vomiti abdon diarth other: 	a [ess [ning [ninal pain [nea [shortness of bread muscle aches fatigue tingling in hands numbness in had 	ath s/feet nds/feet	hea hea anx dep ras sen	daches dety/worry ression h sitivity to sun	(21/1-20)		
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S-6

1. Plot of Temptation to skip Protease Inhibitors for Total scale Vs Pain interfering with work in past 4 weeks



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NOTE: 76 obs had missing values.

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2. Plot of Temptation to skip Protease Inhibitors for Total scale Vs # of days in bed in the past 2 weeks

NOTE: 76 obs had missing values.

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3. Plot of Temptation to skip Protease Inhibitor for Total scale Vs # of hospitalizations In the past year

NOTE: 77 obs had missing values.

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4. Plot of Temptation to skip Protease Inhibitors for Total scale Vs T cell count last tested

NOTE: 78 obs had missing values.

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 Plot of # of doses missed in the past three months Vs Pain interfering with work in the past 4 weeks

NOTE: 78 obs had missing values.

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7. Plot of # of doses missed in the past 3 months Vs # of

NOTE: 79 obs had missing values.

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last tested

8. Plot of # of doses missed in the past 3 months Vs Tcell count

NOTE: 81 obs had missing values.

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9. Plot of # of doses missed in the past 3 months Vs general mental health

NOTE: 81 obs had missing values.

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10.Plot of # of doses missed in the past 3 months Vs vitality energy and fatigue

NOTE: 81 obs had missing values.



Plot of # of doses missed in the past 3 months Vs seek and use social support

NOTE: 80 obs had missing values.

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12.Plot of doses missed in the past 3 months Vs Behavioral Escape Avoidance

NOTE: 80 obs had missing values.

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13. Plot of # of doses missed in the past 3 months Vs Cognitive Escape Avoidance

NOTE: 78 obs had missing values.

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14. Plot of # of doses missed in the past 3 months Vs Focus on Positive

NOTE: 80 obs had missing values.



15. Plot of # of doses missed in the past 3 months Vs. Distancing

NOTE: 78 obs had missing values.

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NOTE: 78 obs had missing values.

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17. Plot of Temptation to skip Protease Inhibitors for the Total scale Vs Vitality, fatigue & energy

NOTE: 78 obs had missing values.

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NOTE: 77 obs had missing values.

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19. Plot of Temptation to skip Protease Inhibitor for Total scale Vs Behavioral Escape Avoidance





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20. Plot of Temptation to skip Protease Inhibitor for Total scale Vs Cognitive Escape Avoidance





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21. Plot of Temptation to skip Protease Inhibitor for Total scale Vs Focus on Positive

NOTE: 77 obs had missing values.

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22. Plot of Temptation to skip Protease Inhibitor for Total scale Vs Distancing Plot of Y*SDIS. Legend: A = 1 obs, B = 2 obs, etc.

NOTE: 76 obs had missing values.



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23. Plot of Temptation to skip Protease Inhibitors for Total Scale Vs Age

NOTE: 76 obs had missing values.

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24. Plot of Temptation to skip Protease Inhibitors for Total Scale Vs gender

NOTE: 76 obs had missing values.

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25. Plot of Temptation to skip Protease Inhibitors for Total Scale Vs Current Health Status

Plot of Y*QI3. Legend: A = 1 obs, B = 2 obs, etc.



NOTE: 76 obs had missing values.

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26. Plot of Temptation to skip Protease Inhibitors for Total Scale Vs Race Plot of Y*QI4. Legend: A = 1 obs, B = 2 obs, etc.

NOTE: 77 obs had missing values.

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27. Plot of Temptation to skip Protease Inhibitors for Total Scale Vs Years of Education Plot of Y*QI5. Legend: A = 1 obs, B = 2 obs, etc.



NOTE: 77 obs had missing values.

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28. Plot of Temptation to skip Protease Inhibitors for Total Scale Vs Number of people in household

Plot of Y*QI8A. Legend: A = 1 obs, B = 2 obs, etc.

NOTE: 83 obs had missing values. 1

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29. Plot of Temptation to skip Protease Inhibitors for Total Scale Vs Insurance Plot of Y*X. Legend: A = 1 obs, B = 2 obs, etc.



NOTE: 76 obs had missing values. 1

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YI 1 40 + A A 39 + 38 + A 37 + 36 + A 35 + A A 34 + A 33 + B A 32 + 31 + B 30 + B 29 + A 28 + A 27 + A A٠ 1 A 26 + B A 25 + A 24 + C Α С В 23 + B A 22 + C A A 21 + C Α 20 + A С 19 + D 18 + C в A A 17 + A A Α 16 + в 15 + B 14 + 13 + A ---+-2 3 4 5 1 ANNUAL INCOME



NOTE: 78 obs had missing values.

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31. Plot of number of doses missed in the past 3 months Vs age

NOTE: 78 obs had missing values.

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32. Plot of number of doses missed in the past 3 months Vs Gender Plot of MISSPI\*QI2A. Legend: A = 1 obs, B = 2 obs, etc.

gender NOTE: 78 obs had missing values.

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NOTE: 78 obs had missing values.

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33. Plot of number of doses missed in the past 3 months Vs Current health status



34. Plot of number of doses missed in the past 3 months Vs Race

NOTE: 79 obs had missing values.



35. Plot of number of doses missed in the past 3 months Vs Years of Education



36. Plot of number of doses missed in the past 3 months Vs number of people in household

NOTE: 84 obs had missing values.

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37. Plot of number of doses missed in the past 3 months vs Income

NOTE: 79 obs had missing values.

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38. Plot of number of doses missed in the past 3 months Vs Insurance

NOTE: 78 obs had missing values.

1. Plot of pain interfering with work in the past 4 weeks Vs Temptation to skip Protease Inhibitors for total scale

Frequency



Y Midpoint

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2. Plot of # of days in bed in the past 2 weeks Vs Temptation to skip Protease Inhibitors for total scale

|    | 1    |         |         |         | * * * * |         |         |         |         |         |  |
|----|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
|    | 1    |         |         |         | * * * * |         |         |         |         |         |  |
|    | 1    |         |         |         | * * * * |         |         |         |         |         |  |
| 25 | +    |         |         |         | * * * * | * * * * |         |         |         |         |  |
|    | 1    |         |         |         | * * * * | * * * * |         |         |         |         |  |
|    | 1    |         |         |         | * * * * | * * * * |         |         |         |         |  |
|    | 1    |         |         |         | * * * * | * * * * |         |         |         |         |  |
|    |      |         |         |         | * * * * | * * * * |         |         |         |         |  |
| 20 | +    |         | * * * * |         | * * * * | . ****  |         |         |         |         |  |
|    | 1    |         | * * * * |         | * * * * | ****    |         |         |         |         |  |
|    | Ì    |         | * * * * | * * * * | ****    | * * * * |         |         |         |         |  |
|    | Ì    |         | * * * * | * * * * | * * * * | * * * * |         |         |         |         |  |
|    | Ì    |         | * * * * | * * * * | * * * * | * * * * |         |         |         |         |  |
| 15 | +    |         | * * * * | * * * * | * * * * | * * * * |         |         |         |         |  |
|    | 1    |         | * * * * | * * * * | * * * * | * * * * |         |         |         |         |  |
|    | 1    | ****    | * * * * | * * * * | ****    | ****    |         |         |         |         |  |
|    | 1    | * * * * | * * * * | * * * * | ****    | ****    |         |         |         |         |  |
|    | 1    | * * * * | * * * * | ****    | ****    | * * * * |         |         |         |         |  |
| 10 | +    | * * * * | * * * * | * * * * | * * * * | * * * * |         |         |         |         |  |
|    | 1    | * * * * | * * * * | ****    | * * * * | * * * * |         |         |         |         |  |
|    | 1    | * * * * | * * * * | * * * * | * * * * | * * * * |         |         |         |         |  |
|    | 1    | * * * * | * * * * | * * * * | * * * * | * * * * |         |         |         |         |  |
|    | 1    | * * * * | * * * * | * * * * | ****    | * * * * |         |         |         |         |  |
| 5  | +    | * * * * | * * * * | ****    | * * * * | * * * * | * * * * | * * * * | * * * * |         |  |
|    | t    | * * * * | * * * * | ****    | ****    | * * * * | ****    | * * * * | * * * * | * * * * |  |
|    | **** | ****    | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * |  |
|    | **** | * * * * | * * * * | * * * * | * * * * | * * * * | ****    | * * * * | ****    | ****    |  |
|    | **** | * * * * | ****    | * * * * | ****    | * * * * | * * * * | ****    | * * * * | * * * * |  |
|    | 13.5 | 16.5    | 19.5    | 22.5    | 25.5    | 28.5    | 31.5    | 34.5    | 37.5    | 40.5    |  |
|    |      |         |         |         |         |         |         |         |         |         |  |

Y Midpoint

Frequency

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3. Plot of # of hospitalization in the past year Vs Temptation to skip Protease Inhibitors for total scale

Frequency \* \* \* \* \* 21 + \* \* \* \* \* \* \* \* \* \* 20 + \*\*\*\* \* \* \* \* \* 19 + \* \* \* \* \* \* \* \* \* \* 18 + \* \* \* \* \* \* \* \* \* \* 17 + \*\*\*\* \*\*\*\* 16 + : \*\*\*\*\* \*\*\*\*\* 15 + \*\*\*\* \* \* \* \* \* 14 + \* \* \* \* \* \*\*\*\* 13 + \*\*\*\* 1 \* \* \* \* \* \*\*\*\*\* 12 + \* \* \* \* \* \*\*\*\*\* \*\*\*\* + + + + + \* \* \* \* \* 11 + ++++ \* \* \* \* \* \*\*\*\*\* \*\*\*\* \* \* \* \* \* \* \* \* \* \* \*\*\*\*\* 10 + \*\*\*\*\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*\*\*\*\* \*\*\*\* \* \* \* \* \* \*\*\*\* 9 + \*\*\*\*\* \*\*\*\*\* \* \* \* \* \* \* \* \* \* \* \*\*\*\* \*\*\*\* \* \* \* \* \* \* \* \* \* \* 8 + \*\*\*\* \* \* \* \* \* \*\*\*\* \*\*\*\* 1 \* \* \* \* \* 7 + \*\*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* 1 \* \* \* \* \* 6 + \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \* \* \* \* \* \* \* \* \* \* Т 5 + \*\*\*\* \*\*\*\* \* \* \* \* \* \* \* \* \* \* \*\*\*\* \*\*\*\* \* \* \* \* \* \*\*\*\* \*\*\*\* \*\*\*\* \* \* \* \* \* \* \* \* \* \* \*\*\*\* 4 + \*\*\*\* \*\*\*\* \*\*\*\* \* \* \* \* \* \* \* \* \* \* \*\*\*\* \*\*\*\* \* \* \* \* \* \* \* \* \* \* \*\*\*\* 3 + \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \* \* \* \* \* I \*\*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* 2 + \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* 1 + \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\*\* \*\*\*\* \*\*\*\* \_ \_ \_ \_ \_ \_ \_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ 12.5 17.5 22.5 27.5 32.5 37.5

Y Midpoint

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4. Plot of T cell count last tested Vs Temptation to skip Protease Inhibitors for total scale

Y Midpoint

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5. Plot of pain interfering with work in the past 4 weeks Vs # of doses missed in the past three months

Frequency

|           | 0         | 5     | 10<br>PI : | 15<br># MISSED | 20<br>DOSES/3 1 | 25<br>MO. | 30 | 35   |
|-----------|-----------|-------|------------|----------------|-----------------|-----------|----|------|
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| 1         | *****     | ****  | ****       | ****           | ****            |           |    |      |
| i         | *****     | ****  | ****       |                |                 |           |    |      |
|           | ****      | ****  | *****      |                |                 |           |    |      |
| 10 +      | ****      | ****  |            |                |                 |           |    |      |
| 1         | *****     | ****  |            |                |                 |           |    |      |
|           | *****     | ***** |            |                |                 |           |    |      |
| 1         | *****     | ***** |            |                |                 |           |    |      |
| 20 +      | *****     | ****  |            |                |                 |           |    |      |
| ĺ         | ****      | ****  |            |                |                 |           |    |      |
| 1         | *****     | ****  |            |                |                 |           |    |      |
| Ì         | ****      | ****  |            |                |                 |           |    |      |
| · ·       | ****      | ****  |            |                |                 |           |    |      |
| 30 +      | ****      | ****  |            |                |                 |           |    |      |
| l l       | * * * * * | ****  |            |                |                 |           |    |      |
| E I       | ****      | ****  |            |                |                 |           |    |      |
| l<br>I    | ****      | ****  |            |                |                 |           |    |      |
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| 10        | *****     | ***** |            |                |                 |           |    |      |
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| Ĩ         | ****      |       |            |                |                 |           |    |      |
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| i         | ****      |       |            |                |                 |           |    |      |
|           | ****      |       |            |                |                 |           |    |      |
| ł         | ****      |       |            |                |                 |           |    |      |
| 1 00      | *****     |       |            |                |                 |           |    |      |
| 60 +      | *****     |       |            |                |                 |           |    |      |
| 1         | ****      |       |            |                |                 |           |    |      |
| 1         | *****     |       |            |                |                 |           |    |      |
| 1         | *****     |       |            |                |                 |           |    |      |
| 70 +      | * * * * * |       |            |                |                 |           |    |      |
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| 80 +      | * * * * * |       |            |                |                 |           |    |      |
| 1<br>     | * * * * * |       |            |                |                 |           |    |      |
| 1         | ****      |       |            |                |                 |           |    |      |
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| 20 + ****<br>***** ****<br>***** ****<br>***** ****<br>***** ****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| 20 +     *****       /     ****       /     ****       /     ****       /     ****       /     ****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| *****     ****       ****     ****       ****     ****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| ***** ***** ****<br>***** *****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| ***** ****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| **** ***** ****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| 10 + ***** ***** ****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| ***** ***** ****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| ***** ***** ****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| · ***** ***** ***** ***** *****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| 0.0 2.5 5.0 7.5 10.0 12.5 15.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |

6. Plot of # of days in bed in the past 2 weeks Vs # of doses missed in the past 3 months

PI # MISSED DOSES/3 MO.

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and and a second

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7. Plot of # of hospitalization in the past year Vs # of doses missed in the past three months

Frequency

|          | 0       | 4       | 8    | 12   | 16   | 20   | 24   | 28 | 32 | 36   |
|----------|---------|---------|------|------|------|------|------|----|----|------|
| 1        | ****    | ****    | **** | **** | **** | **** | **** |    |    | **** |
| i        | * * * * | ****    | **** | **** | **** |      | ,    |    |    |      |
| Ì        | ****    | ****    | **** |      | **** |      |      |    |    |      |
| 1        | ****    | ****    | **** |      |      |      |      |    |    |      |
| 1        | ****    | ****    | **** |      |      |      |      |    |    |      |
| 1        | ****    | ****    |      |      |      |      |      |    |    |      |
|          | ****    | ****    |      |      |      |      |      |    |    |      |
|          | ****    | ****    |      |      |      |      |      |    |    |      |
| 0 +      | * * * * | ****    |      |      |      |      |      |    |    |      |
| 1        | * * * * | ****    |      |      |      |      |      |    |    |      |
| 1        | * * * * | * * * * |      |      |      |      |      |    |    |      |
| ł        | * * * * | * * * * |      |      |      |      |      |    |    |      |
| 1        | ****    | ****    |      |      |      |      |      |    |    |      |
| 0 +      | ****    | ****    |      |      |      |      |      |    |    |      |
| l        | ****    | ****    |      |      |      |      |      |    |    |      |
|          | * * * * | ****    |      |      |      |      |      |    |    |      |
| і<br>    | * * * * | ****    |      |      |      |      |      |    |    |      |
| 1        | * * * * | ****    |      |      |      |      |      |    |    |      |
| 0 +      | ****    | ****    |      |      |      |      |      |    |    |      |
| l<br>t   | ****    | * * * * |      |      |      |      |      |    |    |      |
| 1        | ****    | * * * * |      |      |      |      |      |    |    |      |
| 1        | * * * * | * * * * |      |      |      |      |      |    |    |      |
| U +      | ****    | * * * * |      |      |      |      |      |    |    |      |
|          | ****    | ****    |      |      |      |      |      |    |    |      |
|          | * * * * | * * * * |      |      |      |      |      |    |    |      |
|          | * * * * | * * * * |      |      |      |      |      |    |    |      |
| 1        | ****    |         |      |      |      |      |      |    |    |      |
| 0 +      | * * * * |         |      |      |      |      |      |    |    |      |
| 1        | * * * * |         |      |      |      |      |      |    |    |      |
| 1        | * * * * |         |      |      |      |      |      |    |    |      |
| 1        | * * * * |         |      |      |      |      |      |    |    |      |
| I        | * * * * |         |      |      |      |      |      |    |    |      |
| ,<br>0 + | * * * * |         |      |      |      |      |      |    |    |      |
| 1        | * * * * |         |      |      |      |      |      |    |    |      |
|          | * * * * |         |      |      |      |      |      |    |    |      |
| I I      | * * * * |         |      |      |      |      |      |    |    |      |
|          | * * * * |         |      | -    |      |      |      |    |    |      |
| 0 +      | * * * * |         |      |      |      |      |      |    |    |      |
|          | * * * * |         |      |      |      |      |      |    |    |      |
|          | * * * * |         |      |      |      |      |      |    |    |      |
|          | * * * * |         |      |      |      |      |      |    |    |      |
| 0 +      | * * * * |         |      |      |      |      |      |    |    |      |
|          | * * * * |         |      |      |      |      |      |    |    |      |
| 4        |         |         |      |      |      |      |      |    |    |      |

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| Frequency |           |       |       |           |      |      |
|-----------|-----------|-------|-------|-----------|------|------|
| 24 +      | ****      |       |       |           |      |      |
| 24 +      | ****      |       |       |           |      |      |
| 23 +      | ****      |       |       |           |      |      |
| 23 1      | ****      |       |       |           |      |      |
| 22 +      | * * * * * |       |       |           |      |      |
| 1         | * * * * * |       |       |           |      |      |
| 21 +      | * * * * * |       |       |           |      |      |
|           | * * * * * |       |       |           |      |      |
| 20 +      | * * * * * |       |       |           |      |      |
| 201       | * * * * * |       |       |           |      |      |
| 19 +      | * * * * * |       |       |           |      |      |
| 1         | * * * * * |       |       |           |      |      |
| 18 +      | * * * * * |       |       | e<br>     |      |      |
| 1         | ****      |       |       |           |      |      |
| 17 +      | * * * * * |       |       | -         |      |      |
|           | ****      |       |       |           |      |      |
| 16 +      | ****      |       |       |           |      |      |
| 1         | ****      |       |       |           |      |      |
| 15 +      | ****      |       |       |           |      |      |
| 1         | ****      |       |       |           |      |      |
| 14 +      | ****      |       |       |           |      |      |
| 1         | ****      |       |       |           |      |      |
| 13 +      | ****      |       |       | ****      |      |      |
| 1         | ****      |       |       | ****      |      |      |
| 12 +      | * * * * * |       |       | ****      |      |      |
| Į         | ****      |       |       | ****      |      |      |
| 11 +      | * * * * * |       |       | ****      |      |      |
| 1         | * * * * * |       |       | ****      |      |      |
| 10 +      | * * * * * |       |       | ****      |      |      |
| 1         | ****      |       |       | ****      |      |      |
| 9 +       | * * * * * |       |       | ****      |      |      |
| l         | ****      |       |       | ****      |      |      |
| 8 +       | ****      |       |       | ****      |      |      |
| 1         | ****      |       |       | ****      |      |      |
| 7 +       | ****      |       |       | ****      |      |      |
| ł         | ****      |       |       | * * * * * |      |      |
| 6 +       | ****      |       |       | * * * * * |      |      |
| 1         | ****      |       |       | ****      |      |      |
| 5 +       | ****      |       |       | ****      |      |      |
| I         | ****      |       |       | * * * * * |      |      |
| 4 +       | ****      |       |       | ****      |      |      |
| 1         | ****      |       |       | ****      |      |      |
| 3 +       | ****      | ****  |       | ****      | **** |      |
| 1         | *****     | ****  |       | ****      | **** |      |
| 2 +       | ****      | ****  | ****  | *****     | **** | **** |
|           | ****      | ****  | ***** | *****     | **** | **** |
| T +       | ****      | ***** | ***** | *****     | **** | **** |
| l.        | *****     |       | ****  |           |      |      |
|           | 0.0       | 1.2   | 2.4   | 3.6       | 4.8  | 6.0  |

### 8. Plot of T cell count last tested Vs # of doses missed in the past three months



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### 9. Plot of General mental health Vs # of doses missed in the past three months

Frequency

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ł

|     | I      | * * |     |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|-----|--------|-----|-----|-----|-----|-----|----|-----|----|----|----|----|----------|----|----|----|----|----|----|-----|
|     | I<br>I | * * |     |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | ì      | * * |     |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | ì      | * * |     |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
| 600 | +      | * * |     |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
| 000 | 1      | * * |     |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | i      | * * |     |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | 1      | * * |     |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | i.     | **  |     |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
| 500 | +      | **  | **  |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
| 000 | i      | **  | **  |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | i      | **  | **  |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | ÷      | * * | **  |     |     |     |    |     |    |    | 2  |    |          |    |    |    |    |    |    |     |
|     | i.     | **  | **  |     |     |     |    |     |    |    |    |    | <u>.</u> |    |    |    |    |    |    |     |
| 400 | +      | **  | * * |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | 1      | **  | **  |     |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | i      | * * | **  | **  |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | ì      | **  | **  | **  |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | İ.     | * * | * * | **  |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
| 300 | +      | **  | **  | **  |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | 1      | **  | **  | **  |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | 1      | * * | **  | **  |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | 1      | * * | **  | **  |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     |        | * * | **  | **  |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
| 200 | +      | * * | * * | **  |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     |        | **  | **  | **  |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | 1      | * * | **  | * * |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     | 1      | * * | **  | **  |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     |        | **  | **  | * * |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
| 100 | +      | * * | **  | **  |     |     |    |     |    |    |    |    |          |    |    |    |    |    |    |     |
|     |        | **  | **  | **  | **  |     |    |     |    | ** |    |    |          |    |    |    |    |    |    |     |
|     | I      | **  | **  | **  | * * | * * |    |     |    | ** |    |    | **       |    |    |    |    |    |    |     |
|     | 1      | **  | **  | **  | **  | **  |    | **  |    | ** |    |    | **       |    |    |    |    |    |    | **  |
|     | Ι      | **  | * * | **  | * * | **  |    | * * |    | ** |    | ** | **       |    |    |    |    |    |    | * * |
|     |        | 0   | 2   |     | 6   | 8   | 10 | 12  | 14 | 16 | 18 | 20 | 22       | 24 | 26 | 28 | 30 | 32 | 34 | 36  |

PI # MISSED DOSES/3 MO.

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10. Plot of vitality energy and fatigue Vs # of doses missed in the past three months

Frequency

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| 000 | L **      |       |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|-----|-----------|-------|-----|----|----|----|-----|----|------|-----|------|-----|----|----|----|----|----|----|----|
| 000 | T **      |       |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | '<br>  ** |       |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | ·<br>  ** |       |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        |       |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
| 700 | + **      |       |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        |       |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        |       |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
| 600 | + **      | **    |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | 1 **      | ÷ + + |     |    |    |    |     |    |      | t.  |      |     |    |    |    |    |    |    |    |
|     | 1 ^ ^     | **    |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | <br>  **  | * *   |     |    |    |    |     |    |      |     |      | -   |    |    |    |    |    |    |    |
| 500 | + **      | * *   |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | . **      | **    |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
| 400 | + **      | **    | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | * *   | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
| 200 | ~ ~       | **    | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
| 300 | + ^ ^     | **    | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | 1 **      | **    | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
| 200 | + **      | **    | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | * *   | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    | **  |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    | * * |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
| 100 | + **      | **    | **  | ** |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    | **  | ** | ** |    |     |    | **   |     |      |     |    |    |    |    |    |    |    |
|     | **        | **    | **  | ** | ** |    |     |    | **   |     | **   | **  |    |    |    |    |    |    | ** |
|     | 1 **      | **    | **  | ** | ** |    | **  |    | **   |     | **   | **  |    |    |    |    |    |    | ** |
|     | I         |       |     |    |    |    |     |    |      |     |      |     |    |    |    |    |    |    |    |
|     | 0         | 2     | 4   | 6  | 8  | 10 | 12  | 14 | 16   | 18  | 20   | 22  | 24 | 26 | 28 | 30 | 32 | 34 | 36 |
|     |           |       |     |    |    | PI | c # | MI | SSEI | D D | OSE: | 5/3 | MO | •  |    |    |    |    |    |

11. Plot of seek and use social support Vs # of doses missed in the past three months

Frequency

|     | <br> <br> | **  | **  | **  | ** | ** | <br>** | <br>** |   | ** | **<br>** | <br> | <br> | <br> | ** |
|-----|-----------|-----|-----|-----|----|----|--------|--------|---|----|----------|------|------|------|----|
|     | İ         | **  | **  | **  |    | ** |        | **     |   |    |          |      |      |      |    |
| TOO | Ť         | **  | **  | **  |    | ** |        | **     |   |    |          |      |      |      |    |
| 100 | 1         | **  | **  | **  |    | ** |        |        |   |    |          |      |      |      |    |
|     | 1         | **  | **  | **  |    |    |        |        |   |    |          |      |      |      |    |
|     | 1         | **  | **  | **  |    |    |        |        |   |    |          |      |      |      |    |
|     | I         | **  | **  | **  |    |    |        |        |   |    |          |      |      |      |    |
| 200 | +         | **  | **  | **  |    |    |        |        |   |    |          |      |      |      |    |
|     | 1         | **  | **  | **  |    |    |        |        |   |    |          |      |      |      |    |
|     | 1         | **  | **  | **  |    |    |        |        |   |    |          |      |      |      |    |
|     |           | **  | **  | **  |    |    |        |        |   |    |          |      |      |      |    |
| 300 | +         | **  | **  | **  |    |    |        |        |   |    |          |      |      |      |    |
|     | 1         | * * | * * | * * |    |    |        |        |   |    |          |      |      |      |    |
|     | 1         | **  | * * | **  |    |    |        |        |   |    |          |      |      |      |    |
|     | 1         | **  | **  | **  |    |    |        |        |   |    |          |      |      |      |    |
| 400 | +         | **  | **  | **  |    |    |        |        |   |    |          |      |      |      |    |
| 100 | 1         | **  | **  | **  |    |    |        |        |   |    |          |      |      |      |    |
|     |           | **  | **  |     |    |    |        |        |   |    |          |      |      |      |    |
|     | Ι         | * * | * * |     |    |    |        |        |   |    |          |      |      |      |    |
|     | I         | **  | * * |     |    |    |        |        |   |    |          |      |      |      |    |
| 500 | +         | **  | * * |     |    |    |        |        |   |    |          |      |      |      |    |
|     | 1         | * * | * * |     |    |    |        |        |   |    |          |      |      |      |    |
|     |           | **  | **  |     |    |    |        |        |   |    |          |      |      |      |    |
|     | 1         | **  | **  |     |    |    |        |        |   |    |          |      |      |      |    |
| 600 | +         | * * | **  |     |    |    |        |        |   |    | -        |      |      |      |    |
|     | İ         | * * |     |     |    |    |        |        | ; |    |          |      |      |      |    |
|     | 1         | **  |     |     |    |    |        |        |   |    |          |      |      |      |    |
|     |           | **  |     |     |    |    |        |        |   |    |          |      |      |      |    |
| 700 | +         | **  |     |     |    |    |        |        |   |    |          |      |      |      |    |
|     | 1         | * * |     |     |    |    |        |        |   |    |          |      |      |      |    |
|     | 1         | * * |     |     |    |    |        |        |   |    |          |      |      |      |    |
|     |           | * * |     |     |    |    |        |        |   |    |          |      |      |      |    |
| 800 | Ť         | * * |     |     |    |    |        |        |   |    |          |      |      |      |    |
| 900 | 1         | **  |     |     |    |    |        |        |   |    |          |      |      |      |    |
|     |           | **  |     |     |    |    |        |        |   |    |          |      |      |      |    |
|     | I         | * * |     |     |    |    |        |        |   |    |          |      |      |      |    |

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12. Plot of Behavioral escape avoidance Vs # of doses missed in the past 3 months

| Frequency           |                          |                          |                       |    |                   |    |     |    |            |    |    |    |    |    |    |    |    |    |    |                |
|---------------------|--------------------------|--------------------------|-----------------------|----|-------------------|----|-----|----|------------|----|----|----|----|----|----|----|----|----|----|----------------|
| 700 +               | * * * * * *              |                          |                       |    |                   |    |     |    |            |    |    |    |    |    |    |    |    |    |    | , <sup>,</sup> |
| 600 +<br> <br> <br> | * *<br>* *<br>* *<br>* * |                          |                       |    |                   |    |     |    |            |    |    |    |    |    |    |    |    |    |    |                |
| 500 +<br> <br> <br> | * * *<br>* * * *<br>* *  | * *<br>* *<br>* *<br>* * |                       |    |                   |    |     |    |            | •  |    |    |    |    |    |    |    |    |    |                |
| 400 +               | * * * * * * *            | * *<br>* *<br>* *<br>* * | **                    |    |                   |    |     |    |            |    |    |    |    |    |    |    |    |    |    |                |
| 300 +               | * * * * * * *            | * *<br>* *<br>* *<br>* * | * * * * *             |    |                   |    |     |    |            |    |    |    |    |    |    |    |    |    |    |                |
| 200 +               | * *<br>* *<br>* *<br>* * | * *<br>* *<br>* *<br>* * | * * * * *             |    |                   |    |     |    |            |    |    |    |    |    |    |    |    |    |    |                |
| 100 +               | * *<br>* *<br>* *<br>* * | * *<br>* *<br>* *        | * * *<br>* * *<br>* * | ** | * *<br>* *<br>* * |    | * * |    | * *<br>* * |    | ** | ** |    |    |    |    |    |    | ** |                |
|                     | 0                        | 2                        | 4                     | 6  | 8                 | 10 | 12  | 14 | 16         | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 |                |

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13. Plot of cognitive escape avoidance Vs # of doses missed in the past 3 months

PI # MISSED DOSES/3 MO.

14. Plot of focus on positive Vs # of doses missed in the past three months

Frequency

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| 700 + ** $  **   **   **   **   **   **   **   *$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| 600 + ** $  **$ $  **$ $  **$ $500 + ** **$ $  ** **$ $  ** **$ $  ** **$ $  ** **$ $  ** **$ $  ** **$ $  ** **$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <pre>     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **</pre>    |
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| <pre>     ** 500 + **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **     **</pre>  |
| 500 + ** **<br>  ** **<br>  ** **<br>  ** **<br>400 + ** **<br>  ** **<br>  ** **<br>  ** **<br>  ** **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <pre> 400 + ** **</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 400 + ** **<br>  ** **<br>  ** **<br>  ** **<br>  ** **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| ** ** **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ** ** ** ** ** **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ** ** ** ** ** ** ** ** ** **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

PI # MISSED DOSES/3 MO.

## 15. Plot of Distancing Vs # of doses missed in the past 3 months

Frequency

22

.

| 1     | * *  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|-------|------|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 900 + | * *  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|       | * *  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | * *  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | * *  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|       | * *  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 800 + | **   |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | **   |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | * *  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| [     | **   |     |     |    |    |    |    |    |    | 4  |    |    |    |    |    |    |    |    |     |
| 700 + | **   |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | * *  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | * *  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|       | **   | **  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 600   | **   | **  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 600 + | **   | **  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | **   | **  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | **   | **  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | **   | **  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 500 + | **   | * * | * * |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| ł     | **   | * * | * * |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | * *  | * * | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|       | **   | **  | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 100   | **   | **  | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 400 + | **   | **  | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | * *  | * * | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| i     | **   | * * | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| i     | **   | **  | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 300 + | **   | **  | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | **   | * * | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | **   | **  | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | **   | **  | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 200 + | . ** | **  | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 200 1 | **   | **  | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| I     | **   | **  | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| Í     | **   | **  | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 1     | **   | **  | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 100 + | . ** | **  | **  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|       | **   | **  | **  |    | ** |    |    |    | ** |    |    |    |    |    |    |    |    |    |     |
| 1     | **   | **  | **  | ** | ** |    | ** |    | ** |    | ** | ** |    |    |    |    |    |    |     |
| 1     | **   | **  | **  | ** | ** |    | ** |    | ** |    | ** | ** |    | ,  |    |    |    |    | * * |
| -     |      |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|       | 0    | 2   | 4   | 6  | 8  | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36  |

| PT # MISSED DOSES/3 | MO. |
|---------------------|-----|
|---------------------|-----|

16. Plot of General mental Health Vs Temptation to skip Protease inhibitors for total scale Frequency

| 300 | <br>+<br>1                              |                |                |                      |                |                   |                | * *<br>* *           |                   |                   |                   |                   |        |                |                |                   |                |                   |
|-----|-----------------------------------------|----------------|----------------|----------------------|----------------|-------------------|----------------|----------------------|-------------------|-------------------|-------------------|-------------------|--------|----------------|----------------|-------------------|----------------|-------------------|
| 270 | <br> <br>+<br>                          |                |                |                      |                |                   |                | * *<br>* *<br>* *    | :                 |                   |                   |                   |        |                |                |                   |                |                   |
| 240 | <br>+<br>                               |                |                | **                   |                | **                |                | **<br>**<br>**<br>** |                   |                   | 1                 |                   |        |                |                |                   |                |                   |
| 210 | -<br>+<br>                              |                |                | * *<br>* *<br>* *    |                | * *<br>* *<br>* * |                | * *<br>* *<br>* *    |                   |                   |                   | **                |        |                |                |                   |                |                   |
| 180 | + + 1                                   |                |                | * *<br>* *<br>* *    |                | * *<br>* *<br>* * |                | * *<br>* *<br>* *    |                   | **                |                   | * *<br>* *<br>* * |        |                |                |                   |                |                   |
| 150 | <br>+<br> <br>                          |                |                | **<br>**<br>**       |                | **<br>**<br>**    |                | **<br>**<br>**       |                   | * *<br>* *<br>* * |                   | * *<br>* *<br>* * |        |                |                |                   |                |                   |
| 120 | <br>+<br> <br>                          | **             |                | **<br>**<br>**       | **             | **<br>**<br>**    |                | **<br>**<br>**       | **                | * *<br>* *<br>* * |                   | * *<br>* *<br>* * |        |                |                |                   |                |                   |
| 90  | + + + + + + + + + + + + + + + + + + + + | **<br>**<br>** |                | ** **                | **<br>**<br>** | **<br>**<br>**    | **<br>**<br>** | **<br>**<br>**       | ** **             | **<br>**<br>**    |                   | **<br>**<br>**    |        | **             |                |                   |                | **<br>**          |
| 60  | <br>+<br> <br>!                         | **<br>**<br>** | **<br>**<br>** | ** **                | ** **          | **<br>**<br>**    | **<br>**<br>** | **<br>**<br>**       | ** **             | **<br>**<br>**    | * *<br>* *<br>* * | * * * * * *       |        | ** **          | ** **          |                   |                | * *<br>* *<br>* * |
| 30  | + + + + + + + + + + + + + + + + + + + + | **<br>**<br>** | **             | **<br>**<br>**<br>** | **<br>**<br>** | **<br>**<br>**    | **<br>**<br>** | ***                  | * *<br>* *<br>* * | **<br>**<br>**    | **                | ~ * *<br>* * *    |        | **<br>**<br>** | **<br>**<br>** | * *<br>* *<br>* * | **<br>**<br>** | **<br>**<br>**    |
|     |                                         | 1<br>5         | 1<br>7         | 1<br>8               | 2<br>0         | 2<br>1            | 2<br>3         | 2<br>4               | 2<br>6            | 2<br>7            | 2<br>9            | 3<br>0            | 3<br>2 | <b>3</b><br>3  | 3<br>5         | <br>3<br>6        | 3<br>8         | 3                 |
|     |                                         | 7<br>5         | 2<br>5         | 7<br>5               | 2<br>5         | 7<br>5            | 2<br>5         | 7<br>5               | 2<br>5            | 7<br>5            | 2<br>5            | 7<br>5            | 2<br>5 | 7<br>5         | 2<br>5         | 7<br>5            | 2<br>5         | 7<br>5            |

Y Midpoint

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## 17. Plot of Vitality energy and fatigue Vs Temptation to skip Protease inhibitors for total scale

Frequency

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Y Midpoint

 Plot of seek and use social support Vs Temptation to skip Protease inhibitors for total scale
 Frequency

| 1     |        |        |        |        | * *    |        |        |        |              |        |        |        |        |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 330 + | _      |        |        |        | * *    |        |        |        |              |        |        |        |        |        |        |        |        |        |        |
|       |        |        |        |        | **     |        |        |        |              |        |        |        |        |        |        |        |        |        |        |
| ĺ     |        |        |        |        | * *    |        |        |        |              |        |        |        |        |        |        |        |        |        |        |
|       |        |        |        |        | **     |        |        |        | **           |        |        |        |        |        |        |        |        |        |        |
| 300 + | F      |        |        |        | * *    |        |        |        | **           |        |        |        |        |        |        |        |        |        |        |
|       |        |        |        |        | **     |        |        |        | * *          |        |        |        |        |        |        |        |        |        |        |
|       |        |        |        |        | * *    |        | * *    |        | * *          |        |        |        |        |        |        |        |        |        |        |
| 1     |        |        |        |        | * *    |        | **     |        | * *          |        |        |        |        |        |        |        |        |        |        |
| 270 + | F      |        |        |        | * *    |        | * *    |        | * *          |        |        |        |        |        |        |        |        |        |        |
| 1     |        |        |        |        | * *    |        | **     |        | * *          |        |        |        |        |        |        |        |        |        |        |
|       |        |        |        |        | * *    |        | * *    |        | ' <b>* *</b> |        |        |        |        |        |        |        |        |        |        |
| l     |        |        |        |        | * *    |        | * *    |        | * *          | 1      |        |        |        |        |        |        |        |        |        |
| 240 + | F      |        |        |        | * *    |        | * *    |        | * *          |        |        | 2      |        |        |        |        |        |        |        |
| 1     |        |        |        |        | * *    |        | * *    |        | * *          |        |        | 1      |        |        |        |        |        |        |        |
| 1     |        |        |        |        | * *    |        | * *    |        | * *          |        |        |        |        |        |        |        |        |        |        |
| 1     |        |        |        |        | * *    |        | * *    |        | * *          |        |        |        |        |        |        |        |        |        |        |
| 210 + | F      |        |        |        | * *    |        | * *    |        | * *          |        |        |        |        |        |        |        |        |        |        |
| 1     |        |        |        |        | **     |        | **     |        | * *          |        |        |        |        |        |        |        |        |        |        |
| 1     |        |        |        |        | * *    |        | **     |        | * *          |        |        |        |        |        |        |        |        |        |        |
| 1     |        |        |        |        | * *    |        | * *    |        | * *          |        |        |        |        |        |        |        |        |        |        |
| 180 + | F      |        |        |        | * *    |        | * *    |        | **           |        |        |        |        |        |        |        |        |        |        |
|       |        |        |        |        | * *    |        | * *    |        | * *          |        |        |        |        |        |        |        |        |        |        |
| I     |        |        | * *    |        | * *    |        | * *    |        | * *          |        |        |        |        |        |        |        |        |        |        |
| l     |        |        | * *    |        | * *    |        | * *    |        | * *          |        |        |        |        |        |        |        |        |        |        |
| 150 H | F      |        | * *    |        | * *    |        | **     |        | **           |        | * *    |        | * *    |        |        |        |        |        |        |
| I     |        |        | * *    |        | * *    | **     | **     |        | * *          |        | **     |        | * *    |        | * *    |        |        |        |        |
| l     |        |        | * *    |        | * *    | * *    | * *    |        | * *          |        | * *    |        | **     |        | * *    |        |        |        |        |
| l     | ļ      |        | * *    |        | * *    | **     | * *    |        | **           |        | **     |        | **     |        | * *    |        |        |        |        |
| 120 + | F      |        | * *    |        | **     | * *    | **     |        | **           |        | * *    |        | **     |        | * *    |        |        |        |        |
|       |        |        | * *    |        | **     | **     | **     |        | **           | **     | **     |        | * *    |        | * *    |        |        |        |        |
| l     |        |        | **     |        | **     | **     | **     |        | * *          | * *    | * *    |        | * *    |        | * *    |        |        |        |        |
| I     | [      |        | * *    |        | **     | **     | **     | * *    | **           | **     | * *    |        | * *    |        | * *    |        |        |        |        |
| 90 +  | F      |        | * *    |        | **     | **     | **     | **     | **           | * *    | **     |        | **     |        | **     |        |        |        |        |
| I     |        |        | * *    |        | **     | **     | **     | **     | **           | **     | **     |        | **     |        | **     |        |        |        |        |
| ļ     |        |        | * *    |        | * *    | * *    | * *    | **     | * *          | **     | * *    | **     | * *    |        | * *    |        |        |        |        |
| [     |        |        | * *    |        | **     | **     | **     | **     | **           | * *    | **     | **     | **     |        | * *    |        |        |        | * *    |
| 60 -  | F      |        | * *    |        | **     | * *    | * *    | **     | **           | * *    | **     | **     | **     |        | * *    |        |        |        | * *    |
|       |        |        | * *    |        | * *    | * *    | **     | **     | **           | * *    | **     | * *    | **     |        | * *    | **     |        |        | **     |
|       |        |        | **     | **     | **     | **     | **     | **     | **           | **     | **     | **     | **     |        | **     | **     | **     |        | * *    |
|       |        |        | **     | **     | **     | **     | **     | **     | **           | **     | **     | **     | **     |        | **     | **     | **     | **     | **     |
| 30 -  | + **   |        | **     | **     | **     | **     | **     | **     | **           | **     | **     | **     | **     |        | **     | **     | **     | **     | **     |
|       | **     |        | **     | **     | **     | **     | **     | **     | **           | **     | **     | **     | **     |        | **     | **     | **     | **     | **     |
|       | **     |        | **     | **     | **     | **     | **     | **     | **           | **     | **     | **     | **     |        | **     | **     | **     | **     | **     |
| I     | **     |        | **     | **     | * *    | **     | **     | **     | **           | **     | **     | **     | **     |        | **     | **     | **     | **     | * *    |
| -     |        |        |        |        |        |        |        |        |              |        |        |        |        |        | ·      |        |        |        |        |
|       | 1<br>2 | T<br>T | ۲<br>۲ | 1      | Ω<br>L | 2      | 2      | 2      | 2<br>A       | 2      | 27     | 4      | د<br>۱ | 3<br>2 | 3      | 3<br>5 | 3      | 3      | 3      |
|       | Z      | 4      | J      |        | 9      | U      | T      | 3      | 4            | 0      |        | 9      | U      | 2      | د      | 5      | 0      | Ø      | 7      |
|       | ·<br>7 | ·<br>2 | 7      | • 2    | ·<br>7 | • 2    | ·<br>7 | • 2    | ·<br>7       | • 2    | • 7    | • 2    | 7      | ·<br>2 | 7      | • 2    | 7      | • 2    | 7      |
|       | ן<br>ב | ے<br>ج | י<br>ב | ے<br>ح | י<br>ק | ے<br>ح | ,<br>2 | ے<br>ح | י<br>ק       | ے<br>ح | י<br>ב | ے<br>ح | י<br>ק | ے<br>ج | י<br>ב | ے<br>ج | י<br>ב | ے<br>ح | ן<br>ב |
|       | C      | J      | J      | J      | J      | J      | J      | J      | J            | J      | J      | J      | J      | J      | J      | J      | J      | 5      | J      |

Y Midpoint

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# 19. Plot of Behavioral escape avoidance Vs Temptation to skip Protease inhibitors for total scale

| Frequency |  |
|-----------|--|
|-----------|--|

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|     | 1      |    |   |          |    | **   |    |          |          | **       |      |     |    |          |    |            |     |    |    |     |
|-----|--------|----|---|----------|----|------|----|----------|----------|----------|------|-----|----|----------|----|------------|-----|----|----|-----|
| 200 | +      |    |   |          |    | **   |    | **       |          | **       |      |     |    |          |    |            |     |    |    |     |
|     | 1      |    |   |          |    | **   |    | **       |          | **       |      |     |    |          |    |            |     |    |    |     |
|     | 1      |    |   |          |    | **   |    | **       |          | **       |      |     |    |          |    |            |     |    |    |     |
| 100 |        |    |   |          |    | **   |    | **       |          | **       |      |     |    |          |    |            |     |    |    |     |
| 100 | 1<br>1 |    |   |          |    | **   |    | **       |          | * *      |      |     |    |          |    |            |     |    |    |     |
|     |        |    |   |          |    | **   |    | **       |          | * *      |      |     |    |          |    |            |     |    |    |     |
|     |        |    |   |          |    | * *  |    | * *      |          | **       |      |     |    |          |    |            |     |    |    |     |
| 160 | +      |    |   |          |    | **   |    | **       |          | * *      |      |     |    |          |    |            |     |    |    |     |
| 100 | 1      |    |   |          |    | **   |    | **       |          | * *      |      |     |    |          |    |            |     |    |    |     |
|     | i      |    |   |          |    | * *  |    | * *      |          | **       |      |     |    |          |    |            |     |    |    |     |
|     | i      |    |   |          |    | **   |    | **       |          | **       |      |     |    |          |    |            |     |    |    |     |
| 140 | +      |    |   |          |    | * *  |    | * *      |          | **       |      |     |    |          |    |            |     |    |    |     |
|     |        |    |   |          |    | **   |    | * *      |          | * *      |      |     | -  |          |    |            |     |    |    |     |
|     | İ      |    |   |          |    | **   |    | * *      |          | * *      |      |     |    |          |    |            |     |    |    |     |
|     | T      |    |   |          |    | * *  |    | * *      |          | * *      |      |     |    |          |    |            |     |    |    |     |
| 120 | ÷      |    |   |          |    | **   |    | * *      |          | * *      |      |     |    |          |    |            |     |    |    |     |
|     | 1      |    |   |          |    | **   |    | * *      |          | * *      |      |     |    |          |    |            |     |    |    |     |
|     | ł      |    |   | * *      |    | **   |    | * *      |          | **       |      |     |    |          |    |            |     |    |    |     |
|     | ļ      |    |   | **       |    | **   |    | **       |          | * *      |      |     |    | **       |    | * *        |     |    |    |     |
| 100 | ÷      |    |   | * *      |    | **   |    | * *      |          | **       |      |     |    | * *      |    | * *        |     |    |    |     |
|     |        |    |   | * *      |    | **   |    | * *      |          | * *      |      |     |    | **       |    | * *        |     |    |    |     |
|     |        |    |   | * *      |    | **   |    | * *      |          | * *      |      | **  |    | **       |    | * *        |     |    |    |     |
|     | 1      |    |   | * *      |    | **   |    | * *      |          | **       |      | **  |    | **       |    | * *        |     |    |    |     |
| 80  | +      |    |   | * *      |    | **   | ** | **       |          | **       | * *  | * * |    | **       |    | **         |     |    |    |     |
|     | !      |    |   | **       |    | **   | ** | **       |          | **       | **   | **  |    | **       |    | **         |     |    |    |     |
|     |        |    |   | **       |    | **   | ** | **       |          | **       | **   | **  |    | **       |    | **         |     |    |    |     |
| 60  | 1      |    |   | **       |    | **   | ** | **       | **       | **       | **   | **  |    | **       |    | **         |     |    |    | **  |
| 60  | +      |    |   | <u> </u> |    | <br> |    | <u> </u> | <u> </u> | <u> </u> | <br> |     |    | <u> </u> |    | <b>* *</b> |     |    |    | **  |
|     | 1      |    |   | ++       |    | **   | ++ | **       | **       | **       | ++   | **  |    | ++       |    | **         |     |    |    | ÷ ÷ |
|     | 1      |    |   | **       |    | **   | ** | **       | **       | **       | **   | **  | ** | **       |    | ++         |     |    |    | ++  |
| 4.0 | +      |    |   | **       |    | **   | ** | **       | **       | **       | **   | **  | ** | **       |    | **         | **  |    |    | **  |
| 40  | ì      | ** |   | **       | ** | **   | ** | **       | **       | **       | **   | **  | ** | **       |    | **         | **  |    |    | **  |
|     | 1      | ** |   | **       | ** | **   | ** | **       | **       | **       | * *  | **  | ** | **       |    | **         | **  |    |    | **  |
|     | i      | ** |   | **       | ** | **   | ** | **       | **       | **       | **   | **  | ** | **       |    | **         | **  |    |    | **  |
| 20  | +      | ** |   | **       | ** | **   | ** | **       | **       | **       | **   | * * | ** | **       |    | **         | * * |    | ** | **  |
|     | 1      | ** |   | **       | ** | **   | ** | **       | **       | **       | **   | **  | ** | **       |    | **         | **  | ** | ** | **  |
|     | Ì      | ** |   | **       | ** | **   | ** | **       | **       | **       | **   | **  | ** | **       |    | **         | **  | ** | ** | * * |
|     | 1      | ** |   | **       | ** | **   | ** | **       | **       | **       | **   | **  | ** | **       |    | **         | **  | ** | ** | **  |
|     |        |    |   |          |    |      |    |          |          |          |      |     |    |          |    |            |     |    |    |     |
|     |        | 1  | 1 | 1        | 1  | 1    | 2  | 2        | 2        | `2       | 2    | 2   | 2  | 3        | 3  | 3          | 3   | 3  | 3  | 3   |
|     |        | 2  | 4 | 5        | 7  | 8    | 0  | 1        | 3        | 4        | 6    | 7   | 9  | 0        | 2  | 3          | 5   | 6  | 8  | 9   |
|     |        | •  | • | •        |    | •    |    | •        |          | •        | •    | •   |    |          |    | :          | •   | :  | •  | •   |
|     |        | 1  | 2 | - /      | 2  |      | 2  | 1        | 2        | 7        | 2    | 7   | 2  | 7        | -2 | 1          | 2   | 7  | 2  | 7   |
|     |        | С  | С | Э        | С  | 5    | 5  | 5        | 5        | 5        | 5    | 5   | 5  | 5        | 5  | 5          | 5   | 5  | 5  | 5   |

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20. Plot of Cognitive escape avoidance Vs Temptation to skip Protease Inhibitors for total scale Frequency

| 1     |     |   |     |    |     |     |     |     | **    |    |     |     |     |   |     |     |    |    |     |  |
|-------|-----|---|-----|----|-----|-----|-----|-----|-------|----|-----|-----|-----|---|-----|-----|----|----|-----|--|
| 1     |     |   |     |    |     |     |     |     | **    |    |     |     |     |   |     |     |    |    |     |  |
| 1     |     |   |     |    |     |     | **  |     | **    |    |     |     |     |   |     |     |    |    |     |  |
| 240 ± |     |   |     |    |     |     | * * |     | **    |    |     |     |     |   |     |     |    |    |     |  |
| 240 + |     |   |     |    | * * |     | * * |     | * *   |    |     |     |     |   |     |     |    |    |     |  |
| 1     |     |   |     |    | * * |     | * * |     | * *   |    |     |     |     |   |     |     |    |    |     |  |
| 1     |     |   |     |    | **  |     | **  |     | **    |    |     |     |     |   |     |     |    |    |     |  |
| 210 ± |     |   |     |    | * * |     | **  |     | **    |    |     |     |     |   |     |     |    |    |     |  |
|       |     |   |     |    | * * |     | * * |     | * *   |    |     |     |     |   |     |     |    |    |     |  |
| 1     |     |   |     |    | * * |     | **  |     | **    |    |     |     |     |   |     |     |    |    |     |  |
| 1     |     |   |     |    | **  |     | * * |     | * *   |    |     |     |     |   |     |     |    |    |     |  |
| 180 + |     |   |     |    | * * |     | * * |     | . * * |    |     |     |     |   |     |     |    |    |     |  |
| 100 1 |     |   |     |    | * * |     | * * |     | **    | ;  |     |     |     |   |     |     |    |    |     |  |
| 1     |     |   |     |    | * * |     | * * |     | **    |    |     |     |     |   |     |     |    |    |     |  |
| 1     |     |   |     |    | * * |     | * * |     | **    |    |     | · . |     |   |     |     |    |    |     |  |
| 150 + |     |   |     |    | * * |     | * * |     | **    |    |     |     |     |   |     |     |    |    |     |  |
| 100 1 |     |   |     |    | * * |     | * * |     | * *   |    |     |     |     |   |     |     |    |    |     |  |
|       |     |   |     |    | * * |     | **  |     | **    |    |     |     | * * |   |     |     |    |    |     |  |
| 1     |     |   |     |    | **  |     | **  |     | **    |    |     |     | **  |   | **  |     |    |    |     |  |
| 120 + |     |   | **  |    | **  |     | **  |     | **    |    |     |     | **  |   | **  |     |    |    |     |  |
|       |     |   | * * |    | * * |     | * * |     | * *   |    |     |     | **  |   | * * |     |    |    |     |  |
| 1     |     |   | * * |    | * * | * * | **  |     | **    |    |     |     | * * |   | * * |     |    |    |     |  |
| 1     |     |   | * * |    | * * | * * | **  |     | * *   |    | **  |     | * * |   | * * |     |    |    |     |  |
| 90 +  |     |   | **  |    | * * | * * | * * | * * | **    |    | * * |     | * * |   | **  |     |    |    |     |  |
| 1     |     |   | * * |    | * * | * * | * * | **  | **    | ** | **  |     | **  |   | **  |     |    |    |     |  |
| 1     |     |   | **  |    | **  | **  | **  | **  | **    | ** | **  |     | **  |   | **  |     |    |    |     |  |
| i     |     |   | **  |    | * * | **  | **  | **  | **    | ** | **  |     | **  |   | **  |     |    |    | * * |  |
| 60 +  |     |   | **  |    | * * | **  | **  | **  | **    | ** | **  | **  | **  |   | **  | * * |    |    | * * |  |
| 1     |     |   | **  |    | **  | **  | **  | **  | **    | ** | **  | **  | **  |   | **  | **  |    |    | * * |  |
| Í     |     |   | **  | ** | **  | **  | **  | **  | **    | ** | **  | **  | **  |   | **  | * * |    |    | * * |  |
| 1     | **  |   | **  | ** | **  | **  | * * | **  | **    | ** | **  | **  | **  |   | **  | * * |    |    | **  |  |
| 30 +  | * * |   | **  | ** | **  | **  | **  | **  | **    | ** | **  | **  | **  |   | **  | **  | ** |    | **  |  |
| 1     | **  |   | **  | ** | **  | **  | **  | **  | **    | ** | **  | **  | **  |   | **  | **  | ** | ** | **  |  |
| 1     | * * |   | **  | ** | **  | **  | **  | **  | **    | ** | **  | **  | **  |   | **  | **  | ** | ** | **  |  |
| 1     | * * |   | * * | ** | **  | **  | **  | **  | **    | ** | **  | **  | **  |   | **  | **  | ** | ** | **  |  |
| _     |     |   |     |    |     |     |     |     |       |    |     |     |     |   |     |     |    |    |     |  |
|       | 1   | 1 | 1   | 1  | 1   | 2   | 2   | 2   | 2     | 2  | 2   | 2   | 3   | 3 | 3   | 3   | 3  | 3  | 3   |  |
|       | 2   | 4 | 5   | 7  | 8   | 0   | 1   | 3   | 4     | 6  | 7   | 9   | 0   | 2 | 3   | 5   | 6  | 8  | 9   |  |
|       | -   | • |     | •  |     |     | •   | •   | •     | •  |     | •   | •   | • |     |     |    |    |     |  |
|       | 7   | 2 | 7   | 2  | 7   | 2   | 7   | 2   | 7     | 2  | 7   | 2   | 7   | 2 | 7   | 2   | 7  | 2  | 7   |  |
|       | 5   | 5 | 5   | 5  | 5   | 5   | 5   | 5   | 5     | 5  | 5   | 5   | 5   | 5 | 5   | 5   | 5  | 5  | 5   |  |

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| 21. | Plot | of  | Focus | on | Posi | tive | Vs | Te | mpta | tion | to | skip | Prot | ease | Inh | ibitors | s for | total | scal | e |
|-----|------|-----|-------|----|------|------|----|----|------|------|----|------|------|------|-----|---------|-------|-------|------|---|
| Fre | que  | ncy |       |    |      |      |    |    |      |      |    |      |      |      |     |         |       |       |      |   |

|     | ł |     |   |     |    | * *      |    | * * |    | * * |      |     |     |     |   |            |     |     |    |     |
|-----|---|-----|---|-----|----|----------|----|-----|----|-----|------|-----|-----|-----|---|------------|-----|-----|----|-----|
| 240 | + |     |   |     |    | * *      |    | * * |    | * * |      |     |     |     |   |            |     |     |    |     |
| 210 | 1 |     |   |     |    | * *      |    | **  |    | * * |      |     |     |     |   |            |     |     |    |     |
|     | Ì |     |   |     |    | * *      |    | * * |    | * * |      |     |     |     |   |            |     |     |    |     |
|     | i |     |   |     |    | * *      |    | * * |    | **  |      |     |     |     |   |            |     |     |    |     |
| 210 | + |     |   |     |    | * *      |    | * * |    | **  |      |     |     |     |   |            |     |     |    |     |
|     | 1 |     |   |     |    | **       |    | * * |    | * * |      |     |     |     |   |            |     |     |    |     |
|     | 1 |     |   |     |    | **       |    | * * |    | * * |      |     |     |     |   |            |     |     |    |     |
|     | 1 |     |   |     |    | * *      |    | * * |    | * * |      |     |     |     |   |            |     |     |    |     |
| 180 | + |     |   |     |    | **       |    | * * |    | * * |      |     |     |     |   |            |     |     |    |     |
|     | I |     |   |     |    | * *      |    | * * |    | * * |      |     |     |     |   |            |     |     |    |     |
|     | I |     |   |     |    | **       |    | **  |    | * * |      |     |     |     |   |            |     |     |    |     |
|     | 1 |     |   |     |    | **       |    | **  |    | **  |      |     |     |     |   |            |     |     |    |     |
| 150 | + |     |   |     |    | **       |    | **  |    | **  | · `, |     |     |     |   |            |     |     |    |     |
|     | ł |     |   |     |    | **       |    | **  |    | **  |      | ,   |     |     |   |            |     |     |    |     |
|     | 1 |     |   |     |    | **       |    | * * |    | * * |      |     |     |     |   |            |     |     |    |     |
|     | ł |     |   | * * |    | **       |    | **  |    | **  |      |     |     |     |   |            |     |     |    |     |
| 120 | + |     |   | * * |    | **       |    | **  |    | * * |      |     |     |     |   |            |     |     |    |     |
|     |   |     |   | **  |    | **       |    | **  |    | * * |      | * * |     |     |   | **         |     |     |    |     |
|     | 1 |     |   | * * |    | **       | ** | **  |    | **  |      | **  |     |     |   | **         |     |     |    |     |
|     | I |     |   | **  |    | **       | ** | **  |    | **  |      | **  |     |     |   | **         |     |     |    |     |
| 90  | + |     |   | **  |    | **       | ** | **  |    | **  |      | **  |     |     |   | **         |     |     |    |     |
|     | ł |     |   | **  |    | **       | ** | **  |    | **  |      | **  |     | **  |   | **         |     |     |    |     |
|     | 1 |     |   | **  |    | **       | ** | **  |    | **  |      | **  |     | **  |   | **         |     |     |    |     |
| 60  | 1 |     |   | **  |    | **       | ** | **  | ** | **  | **   | **  | ± ± | * * |   | * *<br>+ + |     |     |    |     |
| 60  | + |     |   | * × |    | <u> </u> | ** | **  | ** | **  | **   | **  | **  | **  |   | ÷ +        |     |     |    | * * |
|     | ! |     |   | **  |    | **       | ** | **  | ** | ++  | **   | ++  | **  | ÷÷  |   | **         | **  |     |    | **  |
|     | 1 |     |   | **  | ** | **       | ** | ++  | ++ | **  | **   | **  | **  | **  |   | **         | **  |     |    | **  |
| 30  |   | * * |   | **  | ** | **       | ** | **  | ** | **  | **   | **  | **  | **  |   | * *        | * * |     |    | **  |
| 30  | T | **  |   | **  | ** | **       | ** | **  | ** | **  | **   | **  | **  | **  |   | **         | **  | * * |    | **  |
|     | 1 | **  |   | **  | ** | **       | ** | **  | ** | **  | **   | **  | **  | * * |   | **         | **  | **  |    | **  |
|     | 1 | * * |   | **  | ** | **       | ** | **  | ** | **  | **   | **  | **  | * * |   | **         | **  | **  | ** | **  |
|     |   |     |   |     |    |          |    |     |    |     |      |     |     |     |   |            |     |     |    |     |
|     |   | 1   | 1 | 1   | 1  | 1        | 2  | 2   | 2  | 2   | 2    | 2   | 2   | 3   | 3 | 3          | 3   | 3   | 3  | 3   |
|     |   | 2   | 4 | 5   | 7  | 8        | 0  | 1   | 3  | 4   | 6    | 7   | 9   | 0   | 2 | 3          | 5   | 6   | 8  | 9   |
|     |   |     |   |     |    |          |    |     |    |     |      |     |     |     |   |            |     |     |    |     |
|     |   | 7   | 2 | 7   | 2  | 7        | 2  | 7   | 2  | 7   | 2    | 7   | 2   | 7   | 2 | 7          | 2   | 7   | 2  | 7   |
|     |   | 5   | 5 | 5   | 5  | 5        | 5  | 5   | 5  | 5   | 5    | 5   | 5   | 5   | 5 | 5          | 5   | 5   | 5  | 5   |

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|       |        |   |        |    |        |    |        |    | **     |    |        |          |            |        |          |            |            |          |          |  |
|-------|--------|---|--------|----|--------|----|--------|----|--------|----|--------|----------|------------|--------|----------|------------|------------|----------|----------|--|
| 1     |        |   |        |    |        |    |        |    | * *    |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   |        |    |        |    |        |    | **     |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   |        |    |        |    |        |    | **     |    |        |          |            |        |          |            |            |          |          |  |
| 350 + | a.     |   |        |    |        |    |        |    | **     |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   |        |    |        |    |        |    | * *    |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   |        |    |        |    | * *    |    | * *    |    |        |          |            |        |          |            |            |          |          |  |
| 1     |        |   |        |    |        |    | * *    |    | **     |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   |        |    |        |    | * *    |    | **     |    |        |          |            |        |          |            |            |          |          |  |
| 300 + | -      |   |        |    |        |    | * *    |    | **     |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   |        |    |        |    | **     |    | **     |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   |        |    | * *    |    | * *    |    | **     |    |        |          |            |        |          |            |            |          |          |  |
| 1     |        |   |        |    | **     |    | **     |    | **.    |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   |        |    | **     |    | **     |    | **     | ,  |        |          |            |        |          |            |            |          |          |  |
| 250 + | en.    |   |        |    | **     |    | * *    |    | **     |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   |        |    | **     |    | **     |    | **     |    |        | -        |            |        |          |            |            |          |          |  |
|       |        |   |        |    | * *    |    | **     |    | **     |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   |        |    | **     |    | **     |    | **     |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   |        |    | **     |    | **     |    | **     |    |        |          |            |        |          |            |            |          |          |  |
| 200 + | F      |   |        |    | **     |    | **     |    | **     |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   | **     |    | **     |    | **     |    | **     |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   | **     |    | **     |    | **     |    | **     |    |        |          |            |        |          |            |            |          |          |  |
| 1     |        |   | **     |    | **     |    | **     |    | **     |    |        |          |            |        |          |            |            |          |          |  |
|       |        |   | **     |    | **     |    | **     |    | **     |    |        |          |            |        | * *      |            |            |          |          |  |
| 150 4 | F      |   | **     |    | **     |    | **     |    | **     |    | **     |          | **         |        | **       |            |            |          |          |  |
| 1     |        |   | **     |    | **     |    | **     |    | **     |    | **     |          | **         |        | **       |            |            |          |          |  |
|       |        |   | **     |    | **     | ** | **     |    | **     |    | **     |          | **         |        | **       |            |            |          |          |  |
|       |        |   | **     |    | **     | ** | **     |    | **     |    | **     |          | **         |        | **       |            |            |          |          |  |
|       |        |   | **     |    | **     | ** | **     | ** | **     | ** | **     |          | **         |        | **       |            |            |          |          |  |
| 100 4 | ŀ      |   | **     |    | **     | ** | **     | ** | * *    | ** | **     |          | **         |        | **       |            |            |          |          |  |
| l     |        |   | **     |    | **     | ** | **     | ** | **     | ** | **     |          | **         |        | **       |            |            |          |          |  |
| 1     |        |   | **     |    | **     | ** | **     | ** | **     | ** | **     | **       | **         |        | **       | **         |            |          | **       |  |
|       |        |   | **     | ** | **     | ** | **     | ** | **     | ** | **     | **       | **         |        | **       | **         |            |          | **       |  |
| 5.0   |        |   | **     | ** | **     | ** | **     | ** | **     | ** | **     | **       | **         |        | **       | **         |            |          | **       |  |
| 50 4  | -      |   | **     | ** | **     | ** | **     | ** | **     | ** | **     | **       | **         |        | <br>     | × ×        |            |          | <br>     |  |
|       | **     |   | **     | ** | **     | ** | **     | ** | **     | ** | **     | <u> </u> | <u> </u>   |        | <br>-    | * *        | <b>+</b> + | ± ±      | <u> </u> |  |
|       | **     |   | **     | ** | **     | ** | **     | ** | **     |    | * *    |          | * *<br>+ + |        | <u> </u> | <u>.</u> . | <u> </u>   | <u> </u> | <u> </u> |  |
|       | **     |   | **     | ** | **     | ** | **     | ** | **     | ** | **     | **       | × ×<br>+ + |        |          | **         | <br>       | <br>     | + +<br>- |  |
|       | **     |   | **     | ** | πŤ     | ** | **     | π× | **     | ** | **     | * *      | * *        |        | **       | * *        | * *        | ~ ~      | ~ *      |  |
| -     |        |   |        |    |        |    |        |    |        |    |        |          | <br>2      | <br>2  | <br>2    | ·          |            |          | <br>2    |  |
|       | 1      | T | L L    | 1  | T      | 2  | 2      | 2  | 2      | 2  | 2      | 2        | 3          | ა<br>ი | 3        | ے<br>د     | 3<br>6     | 3        | 3        |  |
|       | 2      | 4 | С      | /  | 8      | U  | T      | 3  | 4      | Ø  | /      | 9        | U          | ۷      | 3        | Э          | 0          | 0        | 9        |  |
|       | •      | • | •      | •  | • •    | •  | •      | •  | • •    | •  | •      | •        | •          | •      | •        | • •        | ·<br>7     | • •      | 7        |  |
|       | /<br>c | 2 | /<br>c | 2  | /<br>c | 2  | /<br>c | 2  | (<br>E | 2  | /<br>c | ے<br>د   | 5          | 4      | /<br>c   | 4          | /<br>C     | 2        | 5        |  |
|       | С      | С | С      | С  | С      | С  | С      | С  | С      | С  | С      | Э        | Э          | С      | С        | 5          | Э          | Э        | Э        |  |

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22. Plot of Distancing Vs Temptation to skip Protease inhibitor for total scale Frequency

Y Midpoint

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23. Plot of age Vs Temptation to skip Protease Inhibitors for total scale Frequency

Y Midpoint

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24. Plot of current health status Vs temptation to skip Protease Inhibitors for total scale Frequency

| 40 +  |         |         | * * * * |         | * * * * |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 101   |         |         | * * * * | * * * * | * * * * |         |         |         |         |         |
| 1     |         |         | * * * * | * * * * | * * * * |         |         |         |         |         |
| 1     |         |         | * * * * | * * * * | * * * * |         |         |         |         |         |
| 1     |         |         | * * * * | * * * * | * * * * |         |         |         |         |         |
| 35 +  |         |         | * * * * | * * * * | * * * * |         |         |         |         |         |
| 55 1  |         |         | * * * * | * * * * | * * * * |         |         |         |         |         |
| 1     |         |         | * * * * | * * * * | * * * * |         |         |         |         |         |
| 1     |         |         | * * * * | * * * * | * * * * |         |         |         |         |         |
| 1     |         |         | * * * * | * * * * | * * * * |         |         |         |         |         |
| 30 +  |         |         | * * * * | * * * * | * * * * |         |         |         |         |         |
| 30 1  |         |         | ****    | * * * * | * * * * |         |         |         |         |         |
| 1     |         |         | * * * * | * * * * | * * * * |         |         |         |         |         |
| 1     |         |         | * * * * | * * * * | **** ,  |         |         |         |         |         |
| 1<br> |         |         | * * * * | * * * * | * * * * | ,<br>   |         |         |         |         |
| 25 +  |         |         | * * * * | * * * * | * * * * | ÷.,     |         |         |         |         |
| 1     |         |         | * * * * | ****    | * * * * |         | *       |         |         |         |
| 1     |         |         | * * * * | * * * * | * * * * |         |         |         |         |         |
| i     |         |         | * * * * | * * * * | * * * * |         |         |         |         |         |
| 1     |         | * * * * | * * * * | ****    | * * * * |         |         |         |         |         |
| 20 +  |         | * * * * | ****    | * * * * | * * * * |         |         |         |         |         |
| 201   |         | * * * * | ****    | * * * * | * * * * |         |         |         |         |         |
| 1     |         | * * * * | ****    | ****    | * * * * |         |         |         |         |         |
| i     |         | ****    | * * * * | * * * * | * * * * |         |         |         |         |         |
|       |         | ****    | * * * * | * * * * | * * * * |         |         |         |         |         |
| 15 +  |         | * * * * | * * * * | * * * * | * * * * | * * * * |         | * * * * |         |         |
| 1     |         | * * * * | ****    | * * * * | * * * * | * * * * |         | * * * * |         |         |
| Í     |         | * * * * | ****    | ****    | * * * * | * * * * |         | * * * * |         |         |
| i     |         | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * |         |         |
| i     |         | ****    | ****    | ****    | * * * * | * * * * | * * * * | * * * * |         |         |
| 10 +  |         | ****    | ****    | ****    | * * * * | ****    | ****    | * * * * |         |         |
| 1     |         | ****    | ****    | * * * * | * * * * | ****    | ****    | * * * * |         | ****    |
| i     |         | ****    | ****    | * * * * | ****    | * * * * | * * * * | ****    |         | ****    |
| Í     |         | ****    | ****    | ****    | * * * * | ****    | * * * * | * * * * |         | * * * * |
| 1     |         | ****    | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | ****    |
| 5 +   |         | * * * * | * * * * | * * * * | * * * * | * * * * | ****    | ****    | * * * * | * * * * |
|       |         | * * * * | * * * * | ****    | ****    | * * * * | * * * * | ****    | * * * * | * * * * |
| 1     |         | * * * * | * * * * | ****    | ****    | * * * * | * * * * | * * * * | * * * * | * * * * |
| [     |         | * * * * | * * * * | * * * * | * * * * | ****    | ****    | ****    | ****    | * * * * |
| 1     | * * * * | ****    | * * * * | * * * * | * * * * | ****    | ****    | * * * * | ****    | * * * * |
|       |         |         |         |         |         |         |         |         |         |         |
|       | 13.5    | 16.5    | 19.5    | 22.5    | 25.5    | 28.5    | 31.5    | 34.5    | 37.5    | 40.5    |

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Y Midpoint

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25. Plot of race Vs Temptation to skip Protease Inhibitors for total scale Frequency

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Y Midpoint
26. Years of education Vs Temptation to skip Protease Inhibitors for total scale Frequency



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Y Midpoint

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27. Number of people in household Vs Temptation to skip Protease Inhibitors for total scale Frequency



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Y Midpoint



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28. Insurance Vs Temptation to skip Protease Inhibitors for total scale Frequency

Y Midpoint



29. Income Vs Temptation to skip Protease Inhibitors for total scale Frequency

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Y Midpoint

166

| 1100 - | * *<br>+ * *<br>* *  |                   |                |                |    |    |    |    |                 |    |             |    |    |    |    |    |    |    |    |
|--------|----------------------|-------------------|----------------|----------------|----|----|----|----|-----------------|----|-------------|----|----|----|----|----|----|----|----|
| 1000 - | **<br>  **           |                   |                |                |    |    |    |    |                 |    |             |    |    |    |    |    |    |    |    |
| 900 -  | **<br>  **<br>  **   |                   |                |                |    |    |    |    |                 |    |             |    |    |    |    |    |    |    |    |
| 800 -  | **<br>  **<br>  **   | * *               |                |                |    |    |    |    | ٠               | ,  | -<br>-<br>- |    |    |    |    |    |    |    |    |
| 700 -  | <br>  **<br>  **     | * *<br>* *<br>* * |                |                |    |    |    |    |                 |    |             |    |    |    |    |    |    |    |    |
| 600 -  | + **<br>  **<br>  ** | * *<br>* *<br>* * |                |                |    |    |    |    |                 |    |             |    |    |    |    |    |    |    |    |
| 500 -  | + **<br>  **<br>  ** | * *<br>* *<br>* * | **<br>**       |                |    |    |    |    |                 |    |             |    |    |    |    |    |    |    |    |
| 400 -  | + **<br>  **<br>  ** | **<br>**<br>**    | **<br>**<br>** |                |    |    |    |    |                 |    |             |    |    |    |    |    |    |    |    |
| 300 -  | + **<br>  **<br>  ** | **<br>**<br>**    | ** **          | •              |    |    |    |    |                 |    |             |    |    |    |    |    |    |    |    |
| 200 -  | + **<br>  **<br>  ** | ** **             | **<br>**<br>** |                |    |    |    |    |                 |    |             |    |    |    |    |    |    |    |    |
| 100 -  | + **<br>  **<br>  ** | **<br>**<br>**    | **<br>**<br>** | **<br>**<br>** | ** |    | ** |    | **<br>.**<br>** |    | **<br>**    | ** |    |    |    |    |    |    | ** |
|        | 0                    | 2                 | 4              | 6              | 8  | 10 | 12 | 14 | 16              | 18 | 20          | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 |

30. Age Vs # of doses missed in the past three months Frequency

PI # MISSED DOSES/3 MO.

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167

|       | •       |         | 0       | 10   | 16   | 20   | 24   | 20 | 22 | 26   |
|-------|---------|---------|---------|------|------|------|------|----|----|------|
|       | ****    | ****    | ****    | **** | **** | **** | **** |    |    | **** |
| 1     | * * * * | ****    | ****    |      | **** |      |      |    |    |      |
| 1     | * * * * | ****    | * * * * |      |      |      |      |    |    |      |
| 10 +  | * * * * | * * * * | ****    |      |      |      |      |    |    |      |
| 1     | * * * * | * * * * |         |      |      |      |      |    |    |      |
| 1     | * * * * | ****    |         |      |      |      |      |    |    |      |
| 20 T  | ****    | ****    |         |      |      |      |      |    |    |      |
| 20 ±  | ****    | ****    |         |      |      |      |      |    |    |      |
| 1     | ****    | ****    |         |      |      |      |      |    |    |      |
| 1     | ****    | ****    |         |      |      |      |      |    |    |      |
| 30 +  | * * * * | ****    |         |      |      |      |      |    |    |      |
|       | * * * * | ****    |         |      |      |      |      |    |    |      |
| 1     | * * * * | * * * * |         |      |      |      |      |    |    |      |
| .     | * * * * | * * * * |         |      |      |      |      |    |    |      |
| 40 +  | * * * * | ****    |         |      |      |      |      |    |    |      |
| 1     | * * * * | * * * * |         |      |      |      |      |    |    |      |
|       | * * * * | * * * * |         |      |      |      |      |    |    |      |
| ł     | * * * * | * * * * |         |      |      |      |      |    |    |      |
| 50 +  | * * * * | * * * * |         |      |      |      |      |    |    |      |
| 1     | * * * * | * * * * |         |      |      |      |      |    |    |      |
| 1     | * * * * | * * * * |         |      |      |      |      |    |    |      |
| 1     | * * * * | * * * * |         |      |      |      |      |    |    |      |
| F0 +  | ****    |         |         |      |      |      |      |    |    |      |
| 1     | ****    |         |         |      |      |      |      |    |    |      |
| 1     | * * * * |         |         |      |      |      | -    |    |    |      |
| 70 +  | ****    |         |         |      |      | 2    |      |    |    |      |
|       | ****    |         |         |      |      | ,    |      |    |    |      |
| 1     | * * * * |         |         |      | •    |      |      |    |    |      |
| 1     | * * * * |         |         |      |      |      |      |    |    |      |
| 80 +  | * * * * |         |         |      |      |      |      |    |    |      |
| 1     | * * * * |         |         |      |      |      |      |    |    |      |
| 1     | * * * * |         |         |      |      |      |      |    |    |      |
| 1     | * * * * |         |         |      |      |      |      |    |    |      |
| 90 +  | * * * * |         |         |      |      |      |      |    |    |      |
| ł     | * * * * |         |         |      |      |      |      |    |    |      |
| ŀ     | * * * * |         |         |      |      |      |      |    |    |      |
| L00 + | * * * * |         |         |      |      |      |      |    |    |      |
|       |         |         |         |      |      |      |      |    |    |      |
| 1     | * * * * |         |         |      |      |      |      |    |    |      |

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31. Current health Status Vs # of doses missed int he past three months Frequency

168

|          | 0         | 5         | 10    | 15    | 20    | 25 | 30 | 35   |
|----------|-----------|-----------|-------|-------|-------|----|----|------|
| i        | *****     | *****     | ***** | ***** | ***** |    |    | **** |
|          | ****      | ****      | ****  |       |       |    |    |      |
| 1        | ****      | ****      |       |       |       |    |    |      |
|          | * * * * * | ****      |       |       |       |    |    |      |
|          | * * * * * | ****      |       |       |       |    |    |      |
| 1        | +++++     | *****     |       |       |       |    |    |      |
|          | ****      | ****      |       |       |       |    |    |      |
|          | ****      | *****     |       |       |       |    |    |      |
| + C      | * * * * * | ****      |       |       |       |    |    |      |
| I        | * * * * * | *****     |       |       |       |    |    |      |
| 1        | * * * * * | ****      |       |       |       |    |    |      |
| l        | * * * * * | * * * * * |       |       |       |    |    |      |
| 1        | * * * * * | ****      |       |       |       |    |    |      |
| 0 +      | * * * * * | * * * * * |       |       |       |    |    |      |
| i        | * * * * * | ****      |       |       |       |    |    |      |
| ľ        | * * * * * | ****      |       |       |       |    |    |      |
|          | * * * * * |           |       |       |       |    |    |      |
| 1        | * * * * * |           |       |       |       |    |    |      |
| ) +      | * * * * * |           |       |       |       |    |    |      |
| 1        | *****     |           |       |       |       |    |    |      |
| 1        | *****     |           |       |       |       |    |    |      |
|          | *****     |           |       |       |       |    |    |      |
| 0 +      | * * * * * |           |       |       |       |    |    |      |
|          | ****      |           |       |       |       |    |    |      |
| l        | * * * * * |           |       |       |       |    |    |      |
| 1        | * * * * * |           |       |       |       |    |    |      |
| 1        | * * * * * |           |       |       |       |    |    |      |
| 0 +      | * * * * * |           |       |       | :     |    |    |      |
| 1        | * * * * * |           |       | •     |       |    |    |      |
| i        | * * * * * |           |       |       |       |    |    |      |
|          | * * * * * |           |       |       |       |    |    |      |
| 1        | * * * * * |           |       |       |       |    |    |      |
| ) + C    | * * * * * |           |       |       |       |    |    |      |
|          | * * * * * |           |       |       |       |    |    |      |
| 1        | * * * * * |           |       |       |       |    |    |      |
| 1        | * * * * * |           |       |       |       |    |    |      |
| J +<br>I | * * * * * |           |       |       |       |    |    |      |
|          | *****     |           |       |       |       |    |    |      |
|          | * * * * * |           |       |       |       |    |    |      |
|          |           |           |       |       |       |    |    |      |

32. Race Vs # of doses missed in the past three months Frequency

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|       |       |       |     |     | D.T. // | MEGO |     |     |    |    |    |    |     |
|-------|-------|-------|-----|-----|---------|------|-----|-----|----|----|----|----|-----|
| -     | 0     | 3     | б   | 9   | 12      | 15   | 18  | 21  | 24 | 27 | 30 | 33 | 36  |
|       | ***   | ***   | *** | *** | ***     | ***  | *** | *** |    |    |    |    | *** |
| 1     | ***   | ***   | *** | *** | ***     | ***  | *** | *** |    |    |    |    | *** |
| 1     | ***   | ***   | *** |     |         |      |     |     |    |    |    |    |     |
|       | * * * | ***   | *** |     |         |      |     |     |    |    |    |    |     |
| 50 +  | * * * | ***   |     |     |         |      |     |     |    |    |    |    |     |
| i     | ***   | ***   |     |     |         |      |     |     |    |    |    |    |     |
|       | * * * | ***   |     |     |         |      |     |     |    |    |    |    |     |
| 1     | ***   | * * * |     |     |         |      |     |     |    |    |    |    |     |
| 100 + | * * * | * * * |     |     |         |      |     |     |    |    |    |    |     |
| 1     | * * * | ***   |     |     |         |      |     |     |    |    |    |    |     |
| 1     | ***   | ***   |     |     |         |      |     |     |    |    |    |    |     |
|       | ***   | ***   |     |     |         |      |     |     |    |    |    |    |     |
| 150 + | ***   | ***   |     |     |         |      |     |     |    |    |    |    |     |
| 1     | * * * | * * * |     |     |         |      |     |     |    |    |    |    |     |
|       | * * * | ***   |     |     |         |      |     |     |    |    |    |    |     |
|       | * * * | ***   |     |     |         |      |     |     |    |    |    |    |     |
| 200 + | ***   | ***   |     |     |         |      |     |     |    |    |    |    |     |
| 200   | ***   | ***   |     |     |         |      |     |     |    |    |    |    |     |
| 1     | * * * | ***   |     |     |         |      |     |     |    |    |    |    |     |
| i     | * * * | * * * |     |     |         |      |     |     |    |    |    |    |     |
| 250 + | ***   | * * * |     |     |         |      |     |     |    |    |    |    |     |
| 250 ± | ***   | ***   |     |     |         |      |     |     |    |    |    |    |     |
|       | * * * | ***   |     |     |         |      |     |     |    |    |    |    |     |
| i     | ***   | ***   |     |     |         |      |     |     |    |    |    |    |     |
| 1     | ***   |       |     |     |         |      |     |     |    |    |    |    |     |
| 300 + | ***   |       |     |     |         |      |     |     |    |    |    |    |     |
|       | ***   |       |     |     |         |      |     | 2   |    |    |    |    |     |
| 1     | ***   |       |     |     |         |      |     |     |    |    |    |    |     |
|       | * * * |       |     |     |         | · ·  |     |     |    |    |    |    |     |
| 350 + | ***   |       |     |     |         |      |     |     |    |    |    |    |     |
|       | ***   |       |     |     |         |      |     |     |    |    |    |    |     |
| 1     | * * * |       |     |     |         |      |     |     |    |    |    |    |     |
| 1     | * * * |       |     |     |         |      |     |     |    |    |    |    |     |
| 400 + | * * * |       |     |     |         |      |     |     |    |    |    |    |     |
| l     | ***   |       |     |     |         |      |     |     |    |    |    |    |     |
|       | * * * |       |     |     |         |      |     |     |    |    |    |    |     |
| 1     | * * * |       |     |     |         |      |     |     |    |    |    |    |     |
| 450 + | * * * |       |     |     |         |      |     |     |    |    |    |    |     |
| 1     | * * * |       |     |     |         |      |     |     |    |    |    |    |     |

33. Years of education Vs # of doses missed in the past three months  ${\tt Frequency}$ 

PI # MISSED DOSES/3 MO.

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34. # of people in household Vs # of doses missed in the past three months Frequency

|    | 1 | * * * * * |           |      |           |      |    |           |
|----|---|-----------|-----------|------|-----------|------|----|-----------|
|    |   | * * * * * |           |      |           |      |    |           |
|    | 1 | * * * * * |           |      |           |      |    |           |
|    | 1 | * * * * * |           |      |           |      |    |           |
| 35 | + | * * * * * |           |      |           |      |    |           |
|    |   | * * * * * |           |      |           |      |    |           |
|    | 1 | * * * * * |           |      |           |      |    |           |
|    |   | * * * * * |           |      |           |      |    |           |
|    | 1 | * * * * * |           |      |           |      |    |           |
| 30 | + | * * * * * |           |      |           |      |    |           |
|    | 1 | * * * * * |           |      |           |      |    |           |
|    | 1 | * * * * * |           |      |           |      |    |           |
|    |   | * * * * * |           |      | · · · ·   |      |    |           |
|    |   | * * * * * |           |      |           |      |    |           |
| 25 | + | * * * * * |           |      |           | ·.   |    |           |
|    | 1 | * * * * * |           |      |           |      |    |           |
|    | 1 | * * * * * |           |      |           |      |    |           |
|    | 1 | * * * * * |           |      |           |      |    |           |
|    | 1 | ****      |           |      |           |      |    |           |
| 20 | + | * * * * * |           |      |           |      |    |           |
|    | 1 | * * * * * |           |      |           |      |    |           |
|    | 1 | * * * * * |           |      |           |      |    |           |
|    | 1 | * * * * * |           |      |           |      |    |           |
|    | 1 | * * * * * |           |      |           |      |    |           |
| 15 | + | * * * * * |           |      |           |      |    |           |
|    | 1 | ****      |           |      |           |      |    |           |
|    | 1 | * * * * * | ****      |      |           |      |    |           |
|    | 1 | * * * * * | ****      |      |           |      |    |           |
|    | 1 | * * * * * | ****      |      |           |      |    |           |
| 10 | + | * * * * * | ****      |      |           |      |    |           |
|    | 1 | ****      | ****      |      |           |      |    |           |
|    | İ | * * * * * | ****      |      |           |      |    |           |
|    | i | ****      | ****      |      |           |      |    |           |
|    | i | ****      | ****      |      |           |      |    |           |
| 5  | + | ****      | ****      |      |           |      |    |           |
|    | ł | * * * * * | * * * * * |      |           |      |    |           |
|    | i | * * * * * | * * * * * |      | * * * * * |      |    |           |
|    | i | ****      | * * * * * |      | ****      |      |    |           |
|    | i | ****      | * * * * * | **** | ****      | **** |    | * * * * * |
|    |   |           |           |      |           |      |    |           |
|    |   | 0         | 6         | 12   | 18        | 24   | 30 | 36        |
|    |   |           |           |      |           |      |    |           |

35. Insurance Vs # of doses missed in the past three months Frequency

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PI # MISSED DOSES/3 MO.

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36. Income Vs # of doses of missed in the past three months Frequency

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