

IRB Protocol: RATES OF HIV TESTING IN AIM PRACTICE  
Sharon Tsay MD PGY1

- A. **Study Purpose and Rationale:** The purpose of this study is to investigate rates of HIV testing in the primary care setting, specifically investigating screening rates across different age groups. Although HIV testing has been available since 1985, recommendations for screening have changed significantly over the past 25 years. Until 2006, the CDC recommended screening patients for HIV based on risk factors (ie IV drug use, unprotected sex, men who have sex with men). In 2006, the recommendations changed to include routine screening of all individuals ages 13-64 regardless of risk factors. Those with ongoing risk factors are recommended to be screened yearly. Over the past three decades based on the above risk factors, HIV testing has primarily been done in younger patients and minority groups. Although the incidence and prevalence of HIV are highest in these groups, older patients are also at increasing risk for acquiring HIV. Most recent CDC data revealed ~17% of new diagnoses of HIV were in adults 50 & older. Given these facts, the investigator is interested in the screening practices by residents in an academic program several years after new recommendations have been introduced. Recent studies of screening in the primary care setting have focused on provider report of their screening practices; the current study would help elucidate objective screening practices.
- B. **Study Design and Statistical Analysis:** Design will be a retrospective chart review of new patients in AIM clinic. New patient encounters over the course of a year will be evaluated. To control for individual resident screening practices, a new patient encounter from each age group will be selected per resident. If a resident does not see a new patient from each age group over the course of a year, their encounters will be excluded from the study. Additionally, if a new patient encounter results in testing for HIV and other STDs, that encounter will not be included in order to help differentiate between symptom-prompted testing and routine screening. HIV testing will be determined to have been done if it is ordered within 3 months of the new patient visit. The four age categories (ages 20-34, 35-49, 50-64, and >65) will be evaluated for percentage of patients screened using the Chi Square test. Additionally, based on numbers used by recent studies, Chi Square will also be calculated for younger vs older (20-49 vs 50 & older). Power calculations show that in order to show a .25 effect size (25% vs 50%), must have N=65 in each group. This is feasible given 100 residents in AIM clinic each contributing 4 visits (N=100, potentially, in each group).
- C. **Study Procedure:** As described above, the study will be performed by retrospective chart review. The charts will be reviewed from the previous year. Duration of the study will depend on time required to review charts.
- D. **Study Drugs:** No drugs will be used in this study.
- E. **Medical Device:** No medical devices will be used in this study.
- F. **Study Questionnaires:** No questionnaires will be used in this study.
- G. **Study Subjects:** No subjects will be recruited; charts of patients new to AIM will be reviewed as described above.
- H. **Recruitment of Subjects:** Not applicable.
- I. **Confidentiality of Study Data:** All study data will be coded and anonymous. Data will be stored in a secure location, accessible only to study investigator.
- J. **Potential Conflict of Interest:** Investigator is a resident who practices in AIM clinic; will exclude the investigator's visits from the study. Otherwise, no conflicts of interest.
- K. **Location of the Study:** Charts will be reviewed from CPMC's AIM clinic.
- L. **Potential Risks:** There are no potential risks; no subjects undergoing treatment/placebo.
- M. **Potential Benefits:** There are no potential benefits; no subjects undergoing treatment/placebo.
- N. **Alternative Therapies:** The study does not involve therapies.
- O. **Compensation to Subjects:** Not applicable.
- P. **Costs to Subjects:** Not applicable.
- Q. **Minors as Research Subjects:** Not applicable.
- R. **Radiation or Radioactive Substances:** Not applicable.