Utilization of an HIV Clinical Case Registry, as an Outcome Indicator, in a Nurse Managed Medication Adherence Program

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INTRODUCTION

Treatment Initiation Clinic (TIC):

- Nurse Managed Clinic
- Quality Improvement Program
- Antiretroviral Medication Adherence Program

Goals of Treatment Initiation Clinic

- Provide education and support for patients starting or switching antiretroviral medications
- Improve patient outcomes:
  - quality of life
  - viral suppression

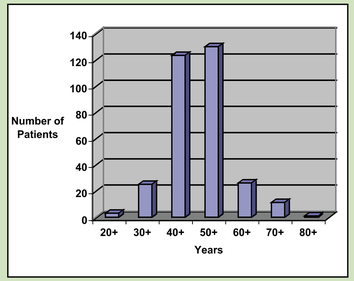
Methods

- Patients starting or switching antiretroviral therapy (ART) are referred to Treatment Initiation Clinic
- Medication adherence education:
  - Immediate access to education about HIV disease, HIV medications, and non-HIV medications
  - Education is continuous and cumulative
  - One on one visits, frequency determined by patients' needs
- HIV viral loads performed at routine intervals after starting ART:
  - 2 weeks
  - 4 weeks
  - 6 weeks
  - 3 months
- A Local Field was created in the HIV Clinical Case Registry:
  - All Treatment Initiation Clinic patients entered into local field
  - Venue for data retrieval of subcategories of Treatment Initiation Clinic patients

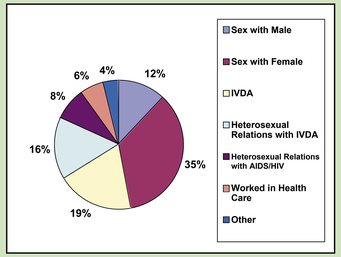
Results

- Creating local fields within the Clinical Case Registry facilitates data retrieval for the identified population.
- Local fields facilitate quick access to:
  - monthly reports of HIV RNA levels for prompt patient follow-up.
  - Medication usage
  - descriptive data:
    - Demographics
    - Co-morbidities

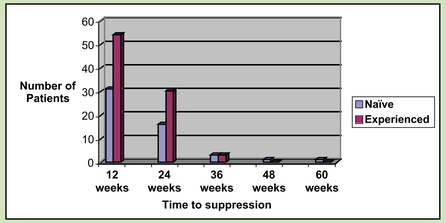
Age Distribution of Patients in Treatment Initiation Clinic



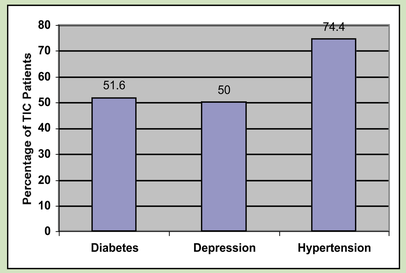
Risk Behaviors of Patients in Treatment Initiation Clinic



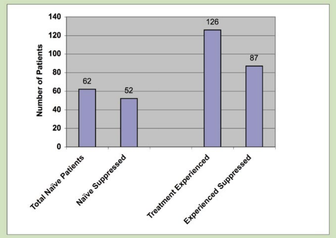
Time to Viral Suppression for patients with viral loads drawn July through December 2006



Some Associated Co-morbidities of Treatment Initiation Clinic Patients



Treatment Outcomes of Treatment Initiation Clinic Patients July through December 2006



Conclusions

- The HIV Clinical Case Registry is a powerful tool that provides monthly reports of viral load results for Treatment Initiation Clinic patients to:
  - Facilitate timely intervention
  - Track HIV RNA trends and Viral Suppression
  - Promote medication adherence
- Provides descriptive data including:
  - Demographics
  - Co-morbidities
  - Medication usage
- Future plans include expanding use of the registry to identify the prevalence of homelessness in the Treatment Initiation Clinic population.
- Anticipate ongoing use of the registry to correlate patient education to current status of patients in hopes of positively impacting patient outcomes.