CPCI - HIV/AIDS Reporting

The CHCANYS Center for Primary Care Informatics (CPCI) powered by Azara DRVS now includes a set of clinical quality measures and patient registries related to HIV and AIDS. Azara has worked closely with a number of its clients, as well as the NY State AIDS Institute to develop this functionality. It has been designed to improve the tracking and care of HIV patients and simplify the statutory reporting associated with providing HIV patient care in New York State.   The CPCI includes a base set of quality measures and a composite patient registry relating to HIV, a larger set of measures and an extended patient registry are available for those practices specializing in the care and treatment of HIV patients. ***The extended HIV/AIDS measure set and registries are an additional component of CPCI and not included within the standard CPCI Implementation.***

Clinical Quality Measures

Base Quality Measure Set (included in all CPCI Subscriptions)

Retention in Care Measures

- **Visit Frequency (12 Months):**

  Percentage of patients who were retained in care.

- **Visit Frequency (24 Months):**

  Percentage of patients who were retained in care during the reporting period and the previous year.

- **New Patient Visit Frequency:**

  Percentage of newly enrolled HIV patients who were retained in care.

Viral Load Monitoring & Suppression

- **Viral Load Monitoring:**

  Percentage of patients, regardless of age, with a diagnosis of HIV with a viral load test performed at least every six months during the measurement year.

- **Always Suppressed within the Review Period:**

  Percentage of patients who were suppressed at all HIV viral load tests.
  - a. *Viral Load < 50 copies/ml*
  - b. *Viral Load < 200 copies/ml*

- **Suppressed at last Viral Load test of Review Period:**

  Percentage of patients who were suppressed at last HIV viral load tests.
  - a. *Viral Load < 50 copies/ml*
  - b. *Viral Load < 200 copies/ml*

CD4 Monitoring

- **CD4 Monitoring:**

Percentage of patients with at least 2 CD4 cell counts or percentages performed during the reporting period at least 3 months apart.

- **CD4 Monitoring with PCP Prophylaxis:**

Percentage of HIV patients whose CD4<200 cells/ml with PCP Prophylaxis.

Antiretroviral Therapy

- **Patients taking Antiretroviral Therapy:**

Percentage of HIV Patients who were prescribed an Antiretroviral Therapy drug.

Sexual History

- **Sexual History Taking:**

Percentage of HIV patients who were asked about sexual activity

HIV Measures from Meaningful Use Clinical Quality Measure Set

- **RNA Control for Patients with HIV**
- **Medical Visit (NQF 0403)**

Extended HIV/AIDS Quality Measure Set (OPTIONAL)

Retention in Care

- **Adolescent Transition Visit Frequency:**

Percentage of newly enrolled patients transitioned from an adolescent care program who were retained in care.

Antiretroviral Therapy

- **Antiretroviral Therapy – Baseline Resistance Test**

Sexually Transmitted Infection Screening & Treatment

- **Syphilis Testing***:*

Percentage of patients who received a Syphilis test

- **Syphilis – Treatment for Positives**
- **Genital Gonorrhea Testing:**

Percentage of patients who received a gonorrhea test.

- **Rectal Gonorrhea Testing among MSM & MtF Transgender Patients:**

Percentage of HIV patients who received a rectal Gonorrhea test.

- **Pharyngeal Gonorrhea Testing among MSM & MtF Transgender Patients:**

Percentage of HIV patients who received a pharyngeal Gonorrhea test.

- **Gonorrhea Treatment**
- **Genital Chlamydia Testing:**

Percentage of patients who received a chlamydia test.

- **Rectal Chlamydia Testing among MSM & MtF Transgender Patients:**

Percentage of patients who received a chlamydia test.

- **Chlamydia Treatment**

Sexual History

- **Anal Sexual History Taking:**
  Percentage of HIV patients who were asked about anal sexual activity.
- **Oral Sexual History Taking:**
  Percentage of HIV patients who were asked about oral sexual activity.
- **Genital Sexual History Taking:**
  Percentage of HIV patients who were asked about genital sexual activity.

Mental Health Screening & Treatment

- **Mental Health Screening:**
  Percentage of HIV patients for whom a mental health screening was performed.
- **Mental Health – Referral for treatment made**
- **Mental Health – Appointment Kept**

Patient Registries

Standard HIV Patient Registry (included in all CPCI Subscriptions)

DRVS includes an HIV Patient Registry that contains key information about all patients with a diagnosis of HIV or AIDS. This information includes:

- Patient Name, MRN, DOB, phone and Usual Provider
- Demographics such as Age, Sex, Race and Ethnicity
- Primary Payer, Last Encounter (date/location/provider) and Next Appointment (date/location/provider)
- Last CD4 Test Date & Result
- Last Viral Load Test Date and Result
- Dental Referral Date
- Ophthalmology Referral Date
- Medication Review Date
- PPD Test Date
- PCV Test Date
- Date of Last Physical
- Date of Last PAP Test

Extended HIV/AIDS Registry (OPTIONAL)

The DRVS Extended HIV/AIDS Patient Registry is comprised of three separate registries that replace the single Standard HIV Patient Registry. This registry contains extensive information about all patients with a diagnosis of HIV or AIDS. This information includes:

HIV: General Registry

- Patient Name, MRN, DOB, Phone, Email and Usual Provider
- Demographics such as Age, Sex, Race and Ethnicity
- Payer, Last Encounter, Location of Last Encounter, Next Appointment & Next Appointment Provider
- HIV Diagnosis Date & Diagnosis Code
- Last BP & Date
- Ophthalmology Referral Date
- Medication Reconciliation Date
- Date of Last Physical
- Rectal Exam
- Colonoscopy
- Mammogram
- Pregnancy & Pregnancy Code
- Hypertensive (Y/N)
- Flu Vaccine
- PCV
- PCP Prophylaxis Medication

HIV: Labs Registry

- Items #1-4 from General Registry
- CD4 Date
- CD4 Result
- CD4 Type
- PPD
- PAP Date
- PAP Type
- Viral Load Date
- Viral Load
- Viral Load Type
- Anogenital HPV
- Genotypic Resistance Test
- Anal PAP
- Nephropathy Screen Date
- Nephropathy Screen Result
- Nephropathy Type
- Gonorrhea Screening
- Chlamydia Screening
- HEP B Test
- HEP C Test
- Syphilis Test

HIV: Behavioral Health Registry

- Items #1-4 from General Registry
- Depression Screen Date
- Depression Screen Result
- Violence Screen
- Tobacco Status Date
- Tobacco Status Result
- Tobacco Cessation
- Anxiety Screen
- PTSD Screen
- Cognitive Function Assessment
- Sleeping Habit Assessment
- Appetite Assessment
- Psychosocial Assessment

2015 eHIVQUAL Reporting - Collaboration with NY State AIDS Institute

Azara has worked closely with the AIDS Institute to develop a CPCI extract that will automatically transfer data from the CPCI to the eHIVQUAL system for incorporation into the statewide data report. In addition to simplifying data submission for annual reporting, the system will allow the AIDS Institute to produce quarterly reports enabling timelier monitoring of performance and quality. This data will also be used for NY Links data submissions.

Beyond the Extended Clinical Quality Measure set and the Extended Patient Registries, Azara will provide the following for CPCI participants.

1. A quarterly data extract to the AIDS Institute containing the items listed in the attached 6 Data Tables for each participating CPCI Health Center.
2. A mechanism for each Health Center to view its consolidated eHIVQUAL submission data for the designated period within the CPCI User Interface prior to submission. This view will be in a manner similar to and consistent with existing CPCI reporting. Data in this report will correspond to Tables 1, 5 and 6.

The AIDS Institute has funded the development of the Clinical Quality Measures, as well as the eHIVQUAL data extracts. Lutheran Family Health Center has underwritten the development of the Extended HIV Patient Registries.

There is a one-time cost to each participating Health Center to cover the expense of sourcing and mapping the data required for the new measures and functionality.

Price: $5,400

The data extract for the AIDS Institute will contain the following 6 Tables:

Table 1 – Patient Information & Demographics for "eligible" HIV Patients

Patient ID #	Primary Insurer
First Name	Insurance Number
Last Name	Provider (Assigned PCP)
DOB	Health Center ID#
Sex (M, F, U, MtF or FtM)	Newly Diagnosed Patient (Y/N) &
Race	Diagnosis Date
Ethnicity	Housing Status (per UDS Specs)
Language	

Table 2 – List of HIV Clinical Visits

Patient ID #
Date of Visit:

Table 3 – HIV Labs

Patient ID #	Lab Test Type (VL or CD4- as required)
Date	Lab Test Result

Table 4 – ARV Medications

Patient ID #	Date Med Start
Medication Code	Date Med Stop

Table 5 – Measure Results

Patient ID #
Measure Results for 6 HIV Related Clinical Quality Domains listed below (11 actual Measures) with supporting detail (Is patient in Numerator / Denominator or both) - Y/N indicators and supporting data elements for each measure.

Clinical Quality Domains
1. ARV medication use – 1 Indicator
2. Baseline resistance testing – 1 Indicator
3. HIV monitoring: VL testing and VL suppression – 2 Indicators
4. Patient retention (visit frequency) – 4 Indicators
5. STI screening and treatment (extra-genital gonorrhea and Chlamydia) – 5 Indicators
6. Tobacco screening and cessation counseling – 2 Indicators

Table 6 - Caseload Metrics

1. The total number of HIV Patients seen for a medical visit during the calendar year
2. The total number of HIV patients seen for a medical visit during the first six months of the calendar year
3. The total number of HIV patients seen for a medical visit in each six month period of the calendar year
4. The total number of HIV patients seen for a medical visit in each six month period of the calendar year - Of these, the number with at least 60 days between first and last visit during review
5. The total number of newly diagnosed patients in the clinic (diagnosed during the calendar year review period)
6. The total number of all new patients seen during the calendar year (includes newly diagnosed, other new-to-clinic patients and patients seen previously but not during the past two calendar years)
7. The total number of patients seen in the clinic during the review period who were treated during the review period for Active syphilis
8. The total number of patients seen in the clinic during the review period who were treated during the review period for Confirmed gonorrhea
9. The total number of patients seen in the clinic during the review period who were treated during the review period for Confirmed Chlamydia
10. Aggregate counts of STI patients within general patient population