



The HIV Research Network: Quality of HIV Care in the U.S.

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HIV Research Network

- Who are we?
- Network of HIV primary care providers who collect and transmit clinical and health services utilization data for aggregate analyses of clinical and health services outcomes of the HIV care in the U.S.
- To provide up-to-date data on:
 - Resource use and costs of care
 - Clinical outcomes of care
 - Quality of HIV care



Network Objectives

- Focus on health services delivery to persons with HIV infection
- Key issues concern:
 - Utilization of inpatient, outpatient care and medications, and the costs of providing these services
 - Access to care and socioeconomic disparities in utilization
 - Quality of care and patient safety
 - Clinical disease progression and outcomes
 - Do this is Adult and Pediatric HIV care

Methods



- Sites individually collect information electronically and by chart abstraction
- De-identified information sent to Central Data Coordinating Center (DCC)
- Data cleaned, quality assured
- Reports sent back to sites for confirmation of data
- Compatible, multisite database created
- Preliminary data analysis at DCC
- Data Dissemination to investigators after research question proposed, data analysis approved by data subcommittee

HIVRN Collaborators



Adult Sites

- Victoria Sharp- St. Luke's Roosevelt, NYC
- W. Christopher Mathews- UCSD, San Diego
- Philip Keiser- Parkland Hospital, Dallas
- James Hallinger- Community Medical Alliance, Boston
- Patrick Nemecheck- Nemecheck Health Renewal, Kansas City
- P. Todd Korhuis- OHSU, Portland
- Charurut Somboonwi- Tampa General Health Care, Tampa
- Robert Beil- Montefiore Medical Center, NY
- Lawrence Hanau- Montefiore Medical Center, NY
- Lawrence Crane- Wayne State University, Detroit
- Norm Markowitz- Henry Ford Hospital, Detroit
- Silver Sisneros- Alameda County Consortium, Oakland
- Roberto Corales- Community Health Network, Rochester
- Peter Sklar- Drexel University, Philadelphia
- Kelly Gebo- Johns Hopkins, Baltimore

Pediatric Sites

- Stephen Spector- UCSD, San Diego
- Aditya Gaur- St. Jude's, Memphis
- Richard Rutstein- CHOP, Philadelphia
- Alison Agwu- Johns Hopkins, Baltimore
- Victoria Sharp- St. Luke's Roosevelt, NYC

Data Coordinating Center

- Johns Hopkins

Funding Sources

- AHRQ
- HRSA
- SAMHSA
- OAR

HIV Research Network



Clinical Data



- Age, sex, race, HIV transmission risk factors
- AIDS-defining illness
- CD4, Viral loads
- Antiretroviral drugs
- Opportunistic illness prophylaxis drugs
- Hepatitis (HCV, HBV) serologies
- Date of death, cause
- Other lab data – lipids, glucose, renal function
- Other drugs
- Resistance tests

Resource Utilization Data



- Acute/chronic hospital care
 - Admission/Discharge dates
 - Diagnoses
- Outpatient Visits
 - Dates of service
 - Diagnoses
 - CPT Coding
- Emergency Department
- Substance Abuse/Mental Health Visits
- Insurance

Interview (conducted in 2003-04)



- 951 adult and 300 pediatric interviews
 - Oversampled women and Hispanics
- Topics assessed include
 - Detailed health care utilization data:
 - Case management, home care, pharmacy, CAM
 - Adverse Drug Events
 - Illicit Drug and Alcohol Usage
 - Adherence to ART
 - HIV related symptoms and quality of life
 - Mental Health and Substance Abuse treatment utilization

Characteristics of the Adult sample (n~20,000)



Median Age	42 (range: 17 - 93)
Male	71%
Race	
African-American	47%
Caucasian	31%
Hispanic	20%
Other	2%
HIV Risk Factor	
MSM	38%
Heterosexual	42%
IDU	10%
Other/UK	7%
Insurance	
Medicaid	34%
Uninsured	26%
Medicare	16%
Private	11%

Characteristics of the Pediatric sample (N~500)



Median Age (Range)	9 (0 - 17)
Male	45%
Race	
African-American	12%
Caucasian	68%
Hispanic	19%
Other	<1%
HIV Risk Factor	
Vertical Transmission	95%
Other	5%
Insurance	
Medicaid	84%
Uninsured	11%
Private	5%

Quality of Care Research



- Receipt of care
 - Disparities in Access to Care
 - Rural vs. urban Care Healthcare Utilization
- Utilization of care
 - IP/OP utilization adult and pediatrics
 - ED Utilization
 - IP diagnoses
 - Overall costs of care
- Patient-Provider Communication
