

CURRENT CRRC SERVICES:

- **HIV Specimen Repository**—Contains PBMCs, plasma, serum, and whole blood RNA from HIV + patients, linked to comprehensive clinical and demographic data
- **Specimen Collection Service**—To assist researchers in the collection of clinical specimens from HIV + patients
- **Recruitment and Referral Service**—To assist researchers with recruitment and enrollment of patients in their research studies
- **Virological assays**—HIV-1 microculture, HIV-1 phenotyping, HIV-1/2 serological diagnosis, HIV-1 RNA quantification, HIV-1 p24 quantification, HIV-1 sequencing, HIV-1 total viral DNA and 2-LTR episomal DNA quantification

For information about utilizing these services, please contact the CRRC at cfarcrc@uw.edu, or (206) 744-4630.

Clinical Research and Retrovirology Core Newsletter

FALL 2012

NOVEMBER

The CRRC Services are Expanding!

The CRRC is currently expanding its existing services to include two new services: an HIV negative registry, and an expanded specimen collection service.

HIV Negative Registry

We are building a registry of at-risk, HIV negative subjects who are interested in participating in HIV related research., as a companion to our existing HIV positive registry. We will collect clinical and behavioral data for screening purposes, in addition to the necessary information for contacting eligible individuals for referral to research studies. Investigators can use this resource for control or comparison groups in their research, or if they need at-risk, uninfected

subjects for research.



Expanded Specimen Collection Service

We are expanding our existing specimen collection service to include protocols for obtaining difficult to collect specimens, such as gut and genital tissue, in addition to the blood samples we currently offer. We are develop-

ing these 'off the shelf' protocols to assist investigators with the preparation of their IRB applications. Researchers are encouraged to contact us for help with specimen collection and IRB applications.

We are currently waiting for IRB approval for these new services, and expect that they will be available to investigators beginning in 2013.

New Assay Available from CRRC Retrovirology Lab

The Retrovirology Lab has recently developed a new assay for use in laboratory-based HIV research. This assay detects the 2-long terminal repeat (LTR) circle form of unintegrated viral DNA, and can therefore be used to determine whether virus replication is taking place.

The 2LTR assay is now available for use by investigators.

For more information about this and other assays available from the Retrovirology Lab, or if you are interested in utilizing any of the available assays for your re-

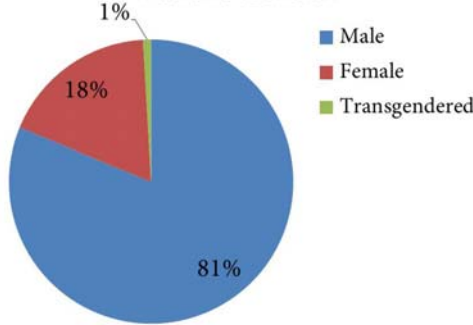
search, please contact Joan Dragavon, Retrovirology Lab Manager, by phone at (206) 897-5243, or via email at dragavon@uw.edu.

The Repository is supported by the University of Washington Center for AIDS Research (CFAR, an NIH funded program (P30 AI127757), which is supported by the following NIH Institutes and Centers: NIAID, NCI, NIHM, NIDA, NICHD, NHLBI, NCCAM

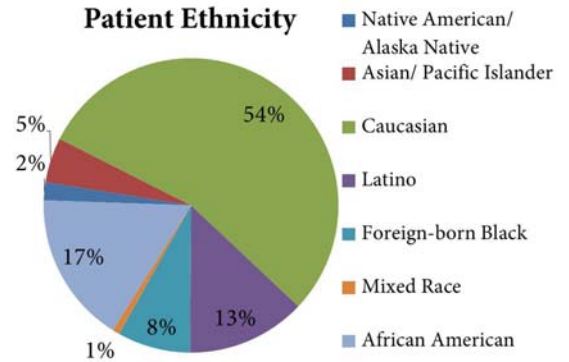
CFAR Clinical Research and Retrovirology Core
325 9th Ave
Box 359930
Seattle, WA 98104
Ph. (206) 744-4630
F. (206) 744-6831
cfarcrc@uw.edu

HIV Registry Demographics

Patient Gender



Patient Ethnicity



Notable Repository Statistics

Specimen Overview

Total # HIV + Patients Enrolled:	1451
Total # Blood Donations:	8424
Total Aliquots Plasma:	45,890
Total Aliquots PBMC:	30,841
Patients with HCV:	399
Patients with Chronic HBV:	78

Last CD4

≤ 100	61
101-200	52
201-350	100
351-500	132
≥ 501	214

Last Viral Load

>100,000	102
30,000-99,999	39
3,000-29,999	63
500-2,999	22
<500	41

Patient Age Breakdown

Age	# Patients
20-29	74
30-39	222
40-49	518
50+	630

Summary of Patient ARV Status

Patients with no ARVs on record (naive):	77
Patients with specimen drawn pre-ARVs:	256
Patients with less than 1 year of ARVs:	30
Patients with all specimens drawn post-ARVs:	1077
Non-progressor, CD4>500, no ARVs, 2-5 years:	8
Non-progressor, CD4>500, no ARVs, 5+ years:	5

Recent Activity at the Repository and Specimen Collection Service

**Dr. Helen Horton
University of Washington
Seattle Biomedical Research Institute**

The Specimen Collection Service is providing Dr. Horton with patient samples for her study titled, 'Assessment of Immune Cells During HIV Infection'. This study aims to

better define the roles of individual cell types in the immune response to HIV.

**Dr. Sharon Lewin
Monash University, Melbourne, Australia**

Through our CNICS collaboration, Dr. Lewin will be receiving samples for her study,

'Biological Determinants of Long-term Immune Reconstitution Following Combination Antiretroviral Therapy (cART)'. This study aims to provide a better understanding of the factors that influence immune recovery in patients being treated for HIV.

