

An Analysis of HIV Health Services Ryan White Part A & B and GF 3/1/2009-2/28/2010

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HIV Health Services Planning Council
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Converting to ARIES Database (1of 2)

- AIDS Regional Information and Evaluation System, also known as ARIES, is an internet-based client case management information system operated by the California Department of Health Services, Office of AIDS (SOA).
- ARIES is fully compliant with all HRSA reporting requirements.
- All system maintenance and programming costs are borne by the SOA. HHS pays an annual administrative fee only.
- Created in 1991, Reggie was the system of record for HIV Health Services (HHS) until 2009. HHS' decision to convert from Reggie to ARIES based upon a 2006 system assessment.
- ARIES has data importing capacity, which is currently utilized by some SF agencies, with more agencies in the planning process for data import.

Converting to ARIES Database (2of 2)

- The conversion began in 1/2009 and was completed as of 4/17/10.
- Conversions included import of several years of historical data (starting from 1/1/2005) into the ARIES system.
- The conversion process encompassed 50 currently funded agencies, training of 250 users and the issuance of 330 digital certificates in over 64 service sites.
- Additionally, eight defunded agencies with no active users were also converted.

Notes on the Data (1 of 2)

- **Data Requirement Levels:** HIV Health Services assigns three levels of data information depending on the service provided by a given agency (see Required Data Elements handout)
- **Sample:** Client reports count the clients who received any single or combination of Ryan White Part A, B or General Fund funded service during the reporting period. The unduplicated client count combined is (N = 8,109)
 - CD4, Viral Load, HAART and Exposure Risk data are only collected by agencies with Level II or Level III access
 - The sample size for the Level II & III questions is based on only clients served at one of these agencies (n = 6,073)
- **Reporting Period:** 3/1/09 to 2/28/10
- **Data Run Date:** These reports are based on the data in ARIES as of July 15, 2010

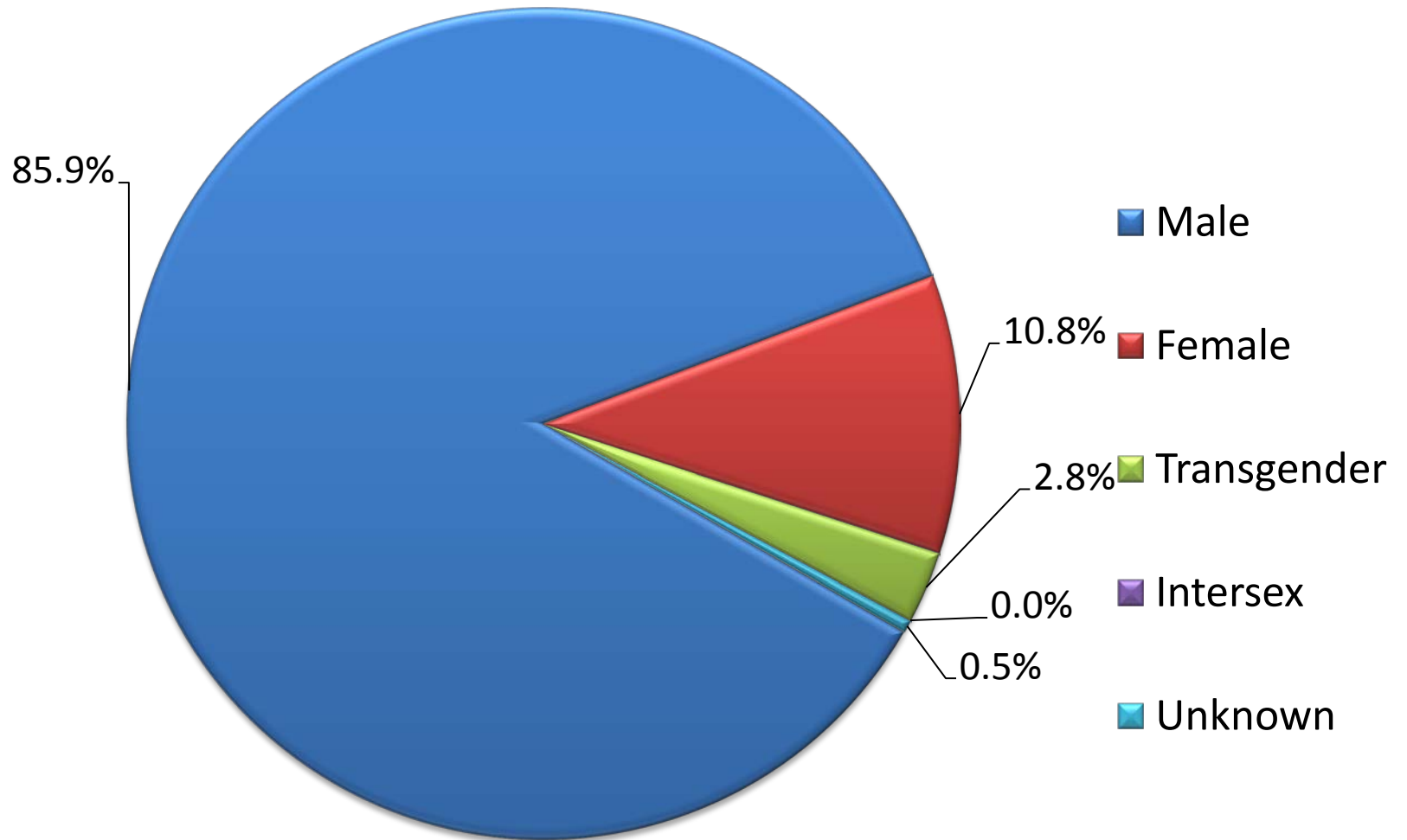
Notes on the Data (2 of 2)

- “Unknown” means the provider attempted to collect the data, but the client was unable to answer.
- “Missing” means the question was either not asked or answered resulting in the data element left blank.

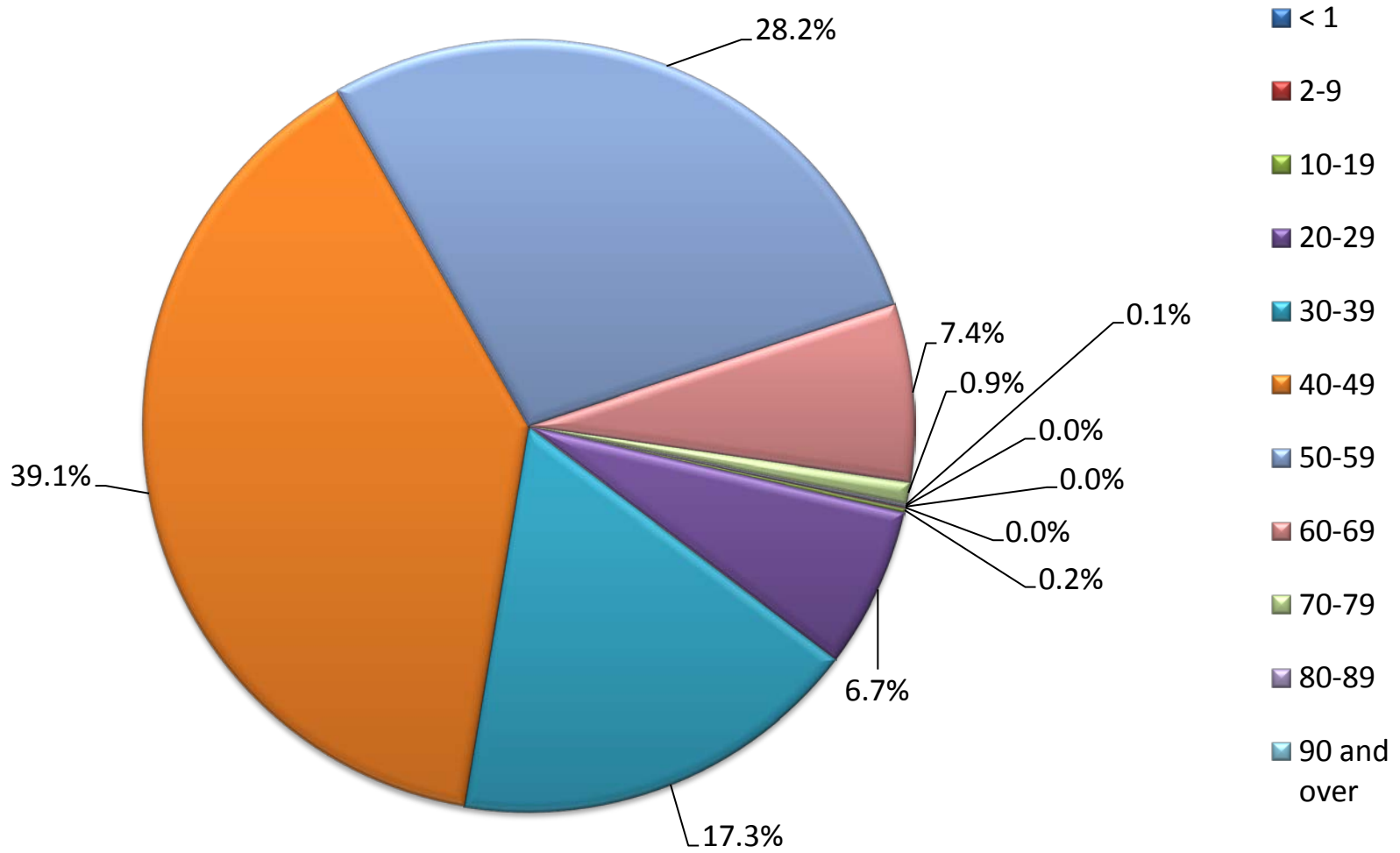
Data Question & Findings

#1 What are the basic demographics of the HIV Health Services clients?

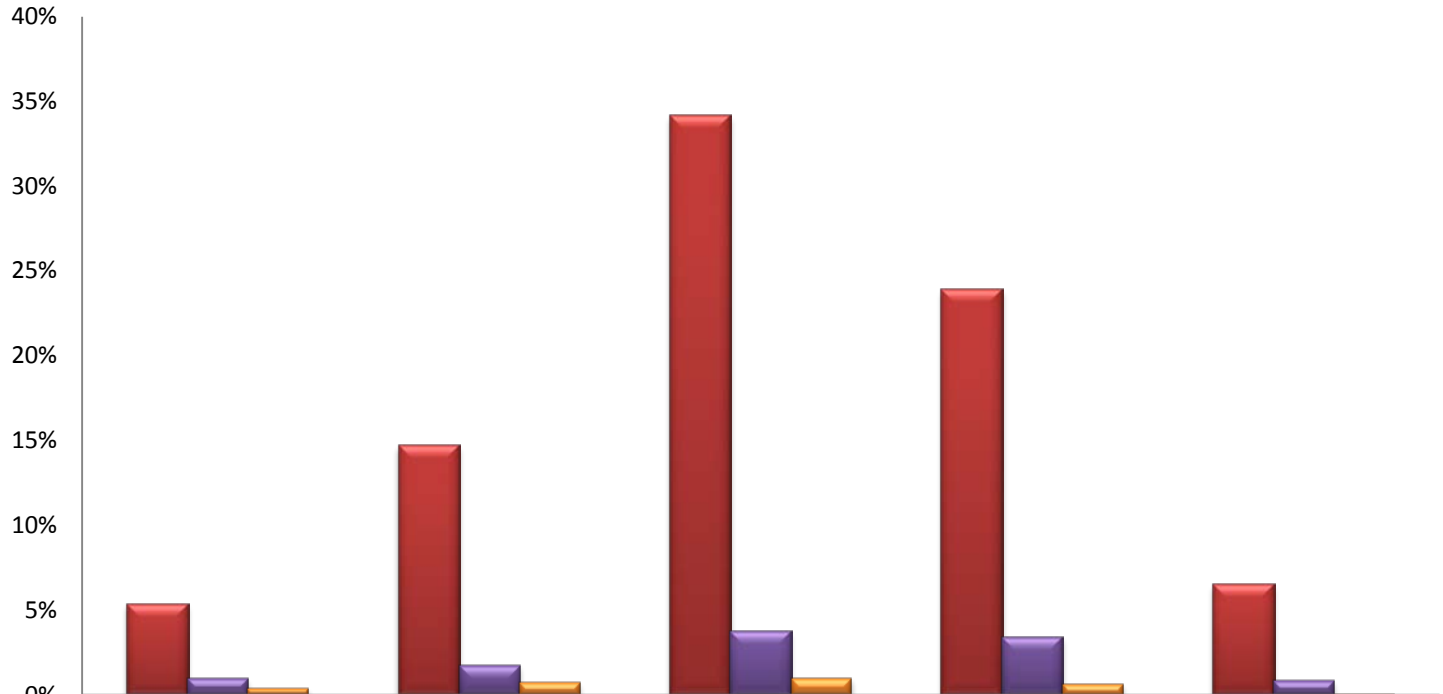
Gender



Age



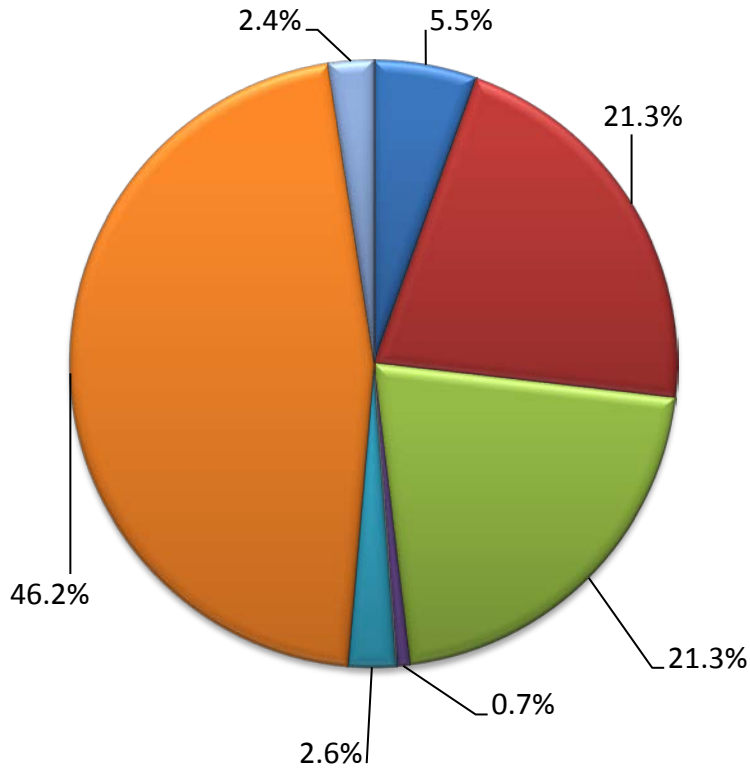
Age By Gender



	20-29	30-39	40-49	50-59	60-69
Male	5.4%	14.7%	34.2%	23.9%	6.5%
Female	1.0%	1.8%	3.7%	3.4%	0.8%
Transgender	0.4%	0.8%	1.0%	0.7%	0.1%

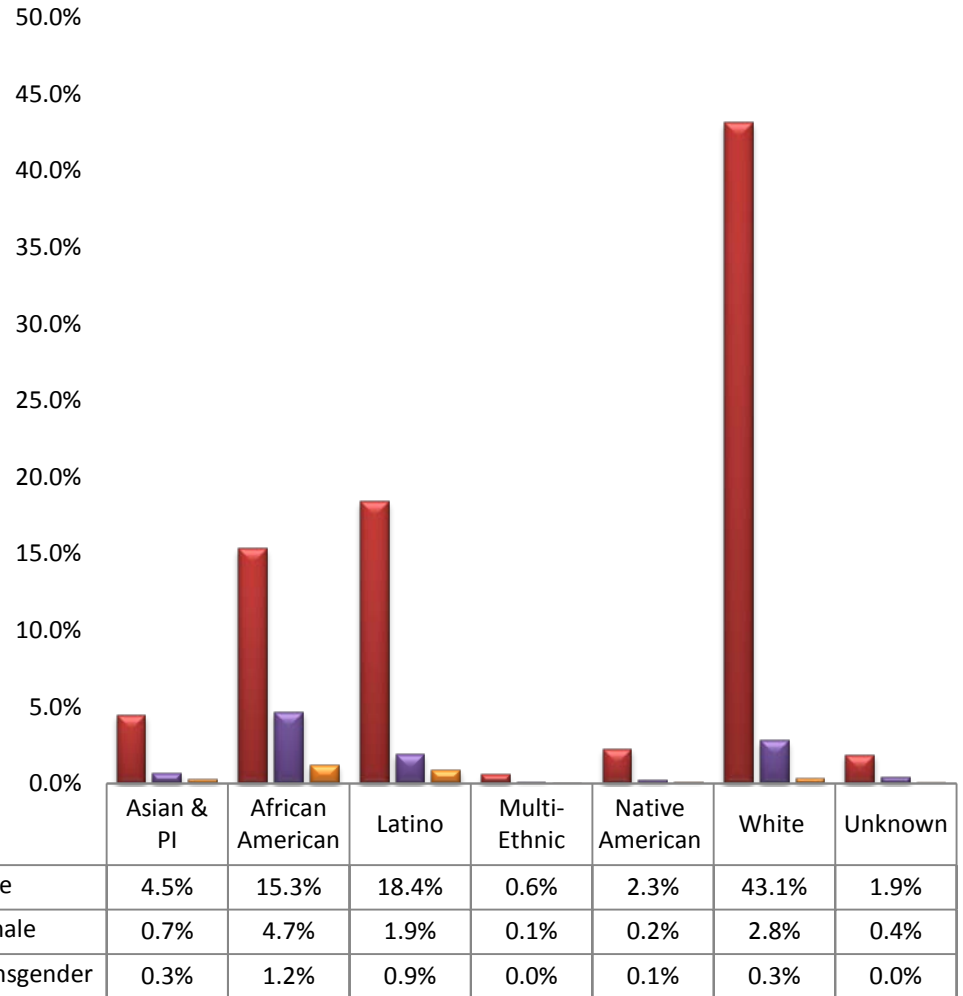
RACE

Overall



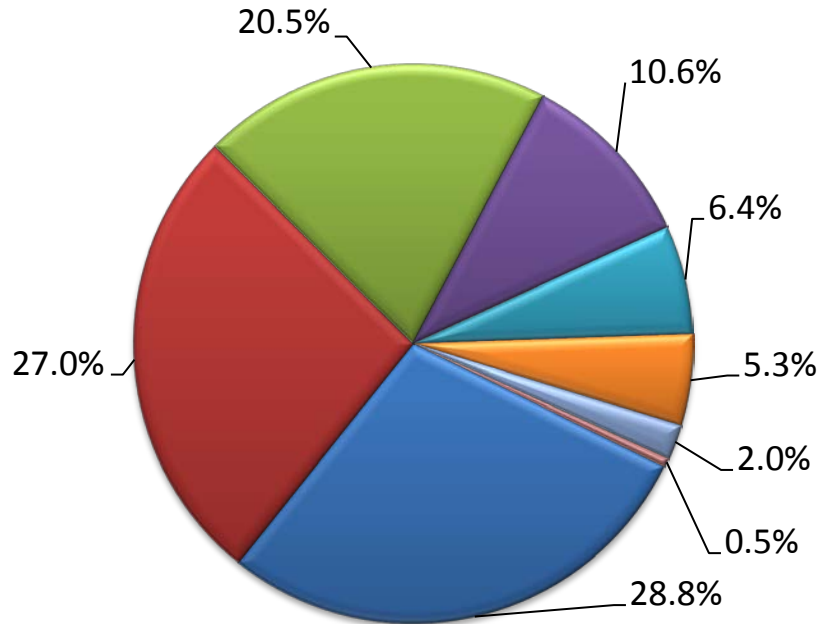
- Asian & PI
- African American
- Latino
- Multi-Ethnic
- Native American
- White
- Unknown

Race By Gender

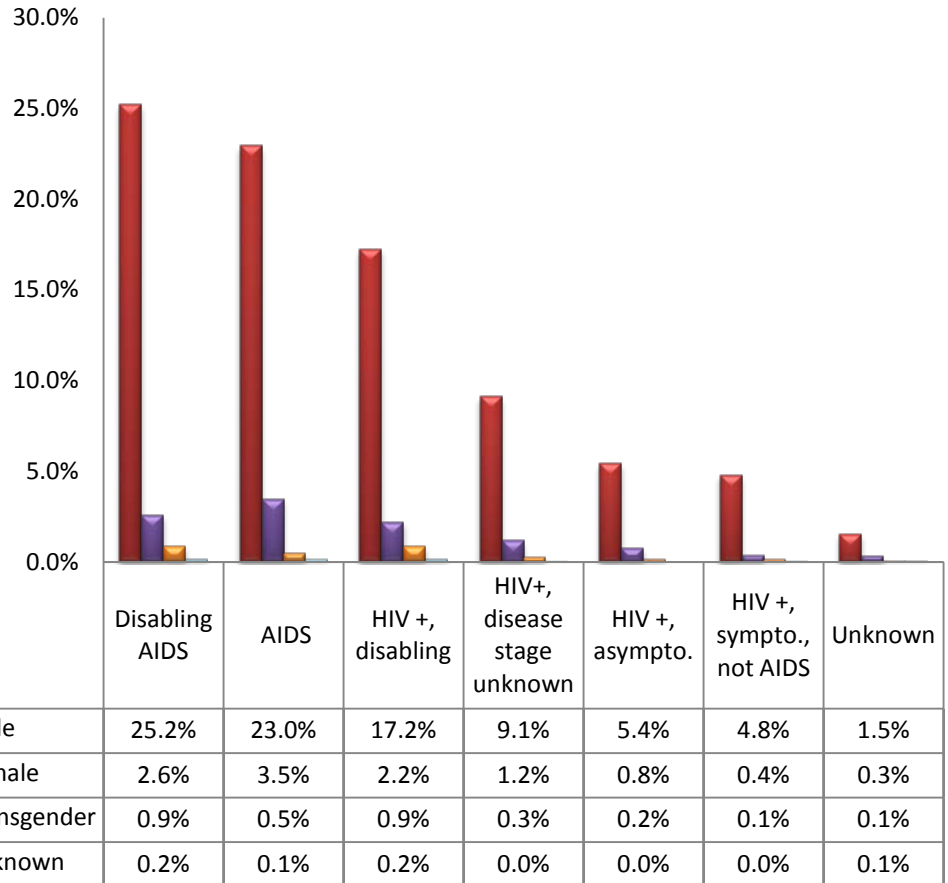


HIV Disease Status

Overall



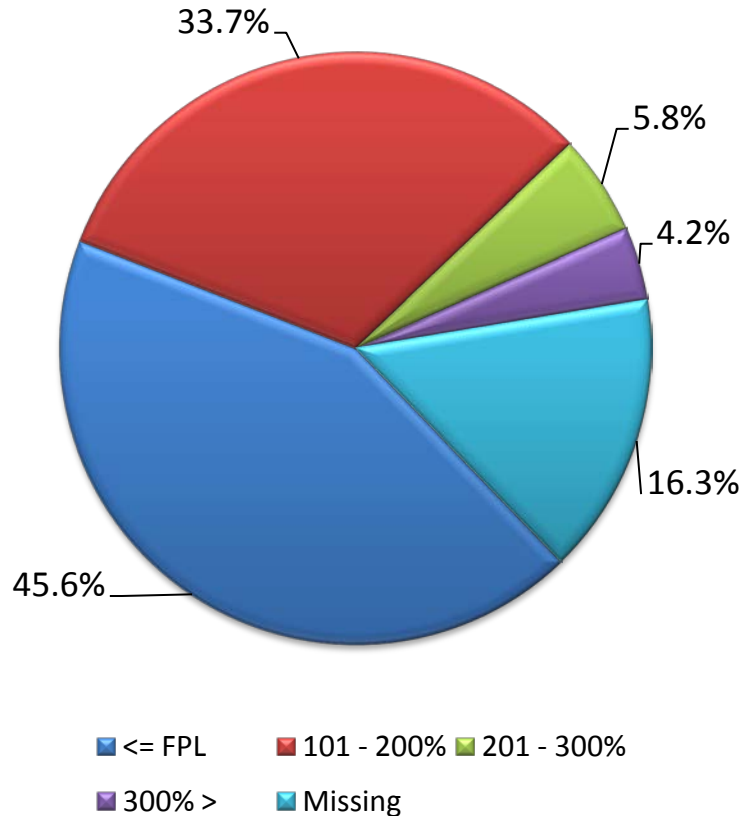
HIV Disease Status By Gender



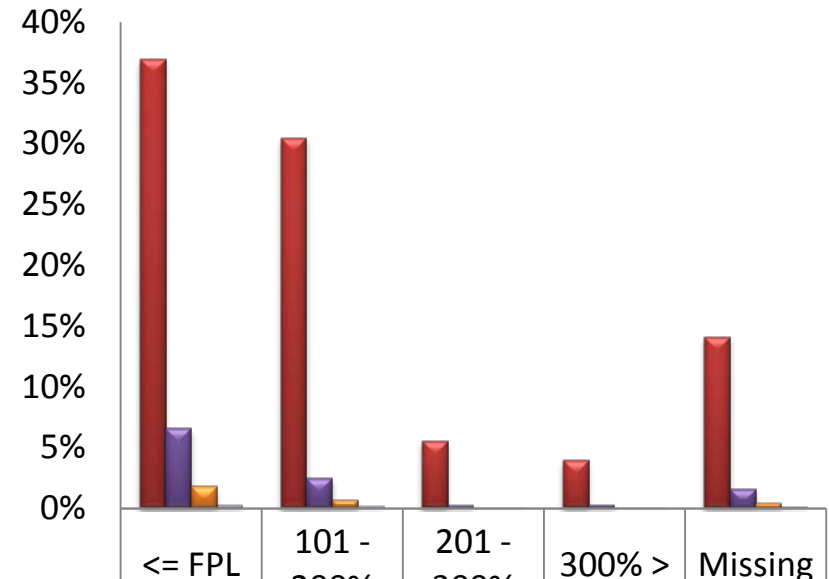
- Disabling AIDS
- AIDS
- HIV +, disabling
- HIV+, disease stage unknown
- HIV +, asymptomatic
- HIV +, symptomatic, not AIDS
- Unknown
- HIV -

Federal Poverty Level Percentage (FPL%)

Overall



FPL% By Gender

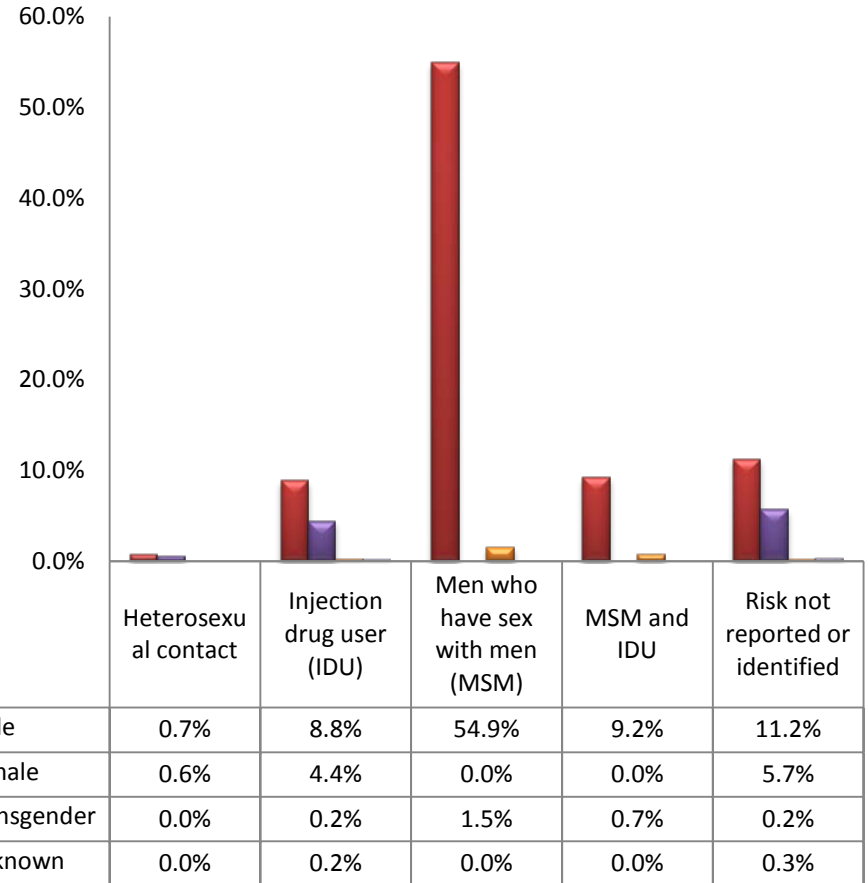
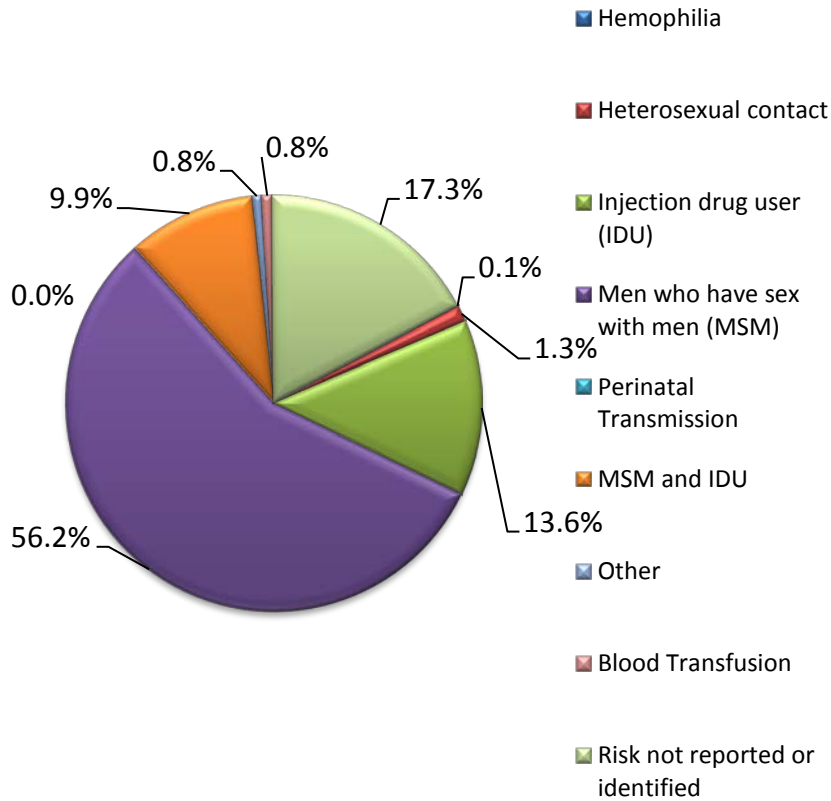


	<= FPL	101 - 200%	201 - 300%	300% >	Missing
Male	37.0%	30.4%	5.5%	3.9%	14.1%
Female	6.6%	2.4%	0.2%	0.3%	1.6%
Transgender	1.8%	0.7%	0.0%	0.0%	0.4%
Unknown	0.2%	0.1%	0.0%	0.0%	0.1%

HIV Exposure

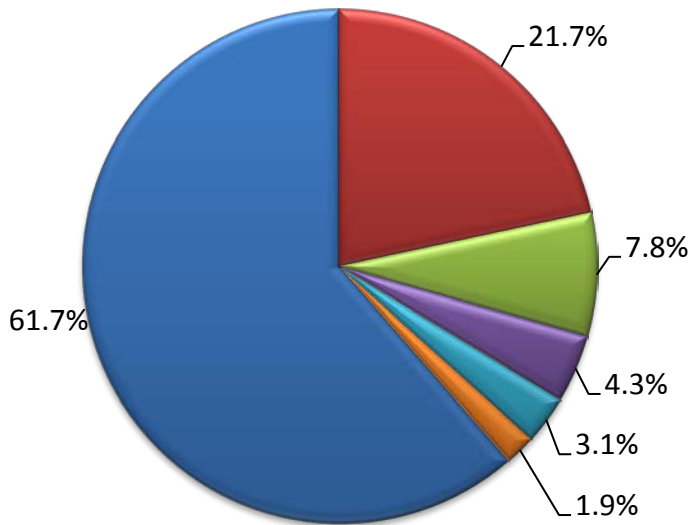
Overall

HIV Exposure By Gender



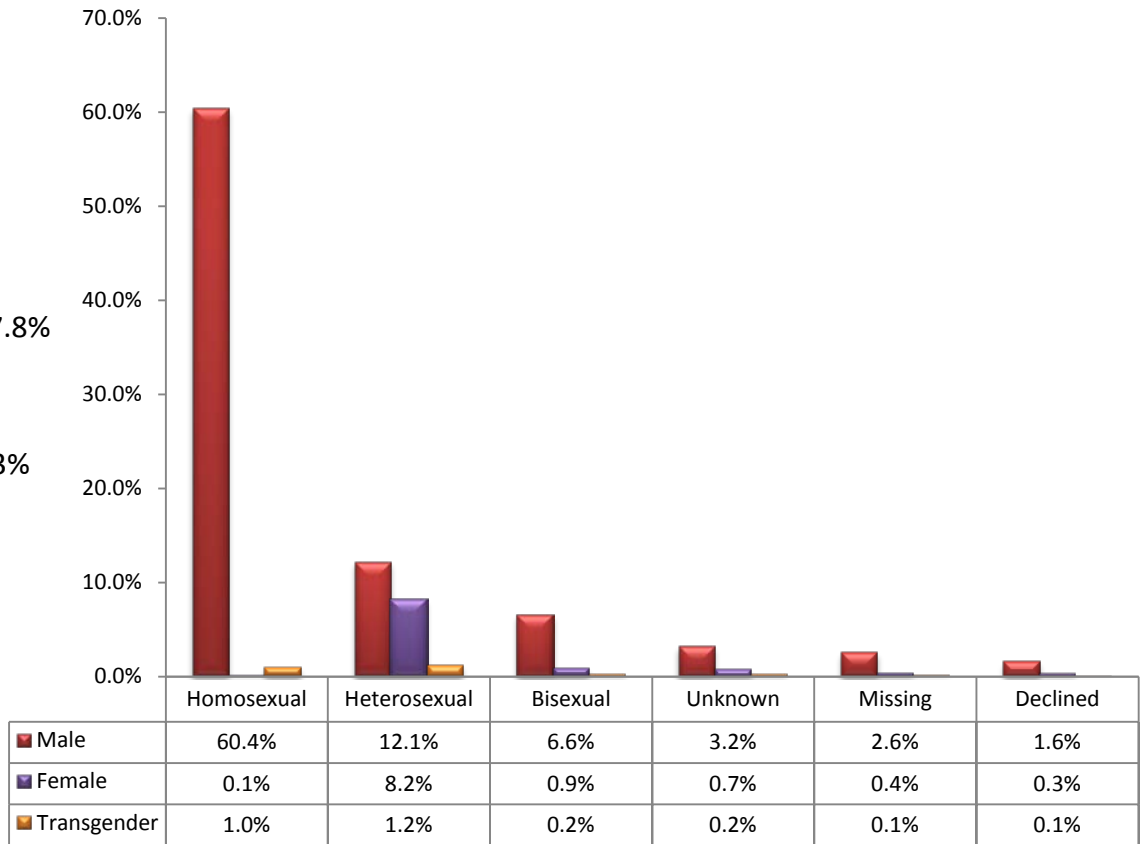
Sexual Orientation

Overall



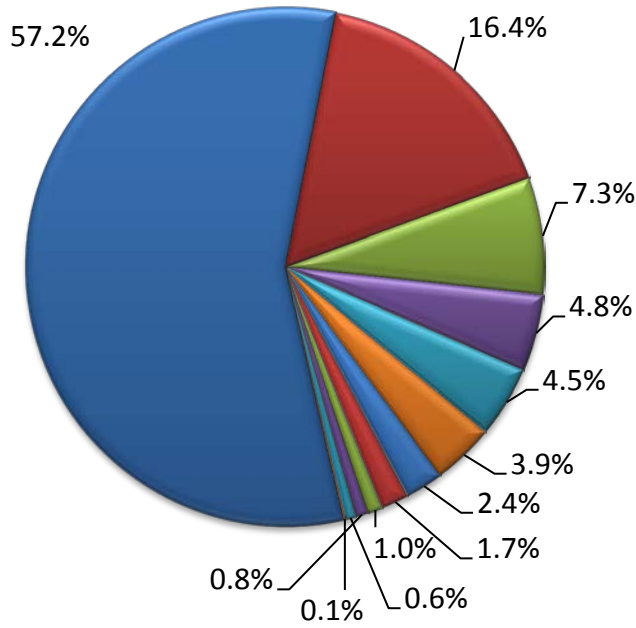
- Homosexual
- Heterosexual
- Bisexual
- Unknown
- Missing
- Declined

Sexual Orientation By Gender



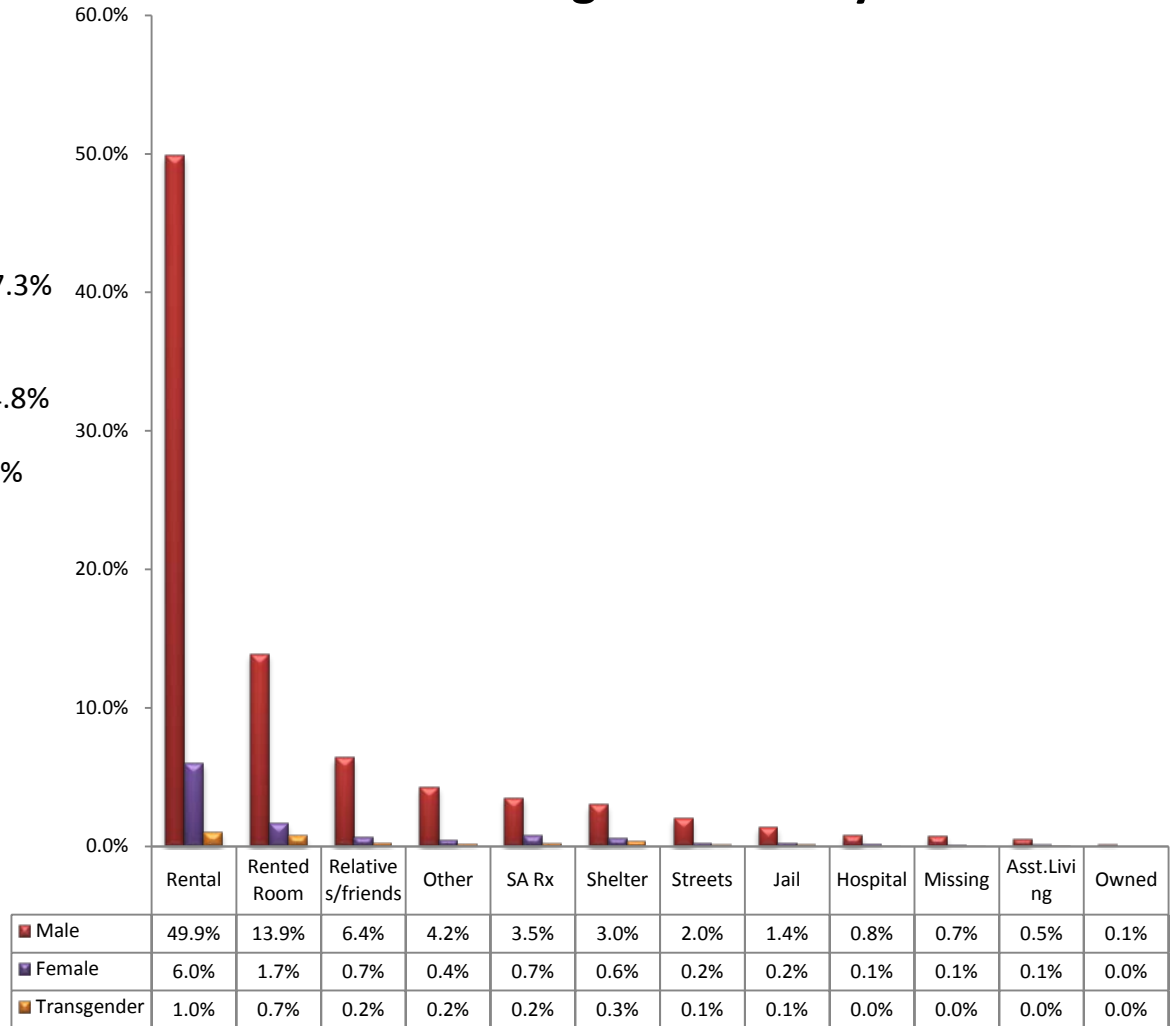
Current Living Situation

Overall



- Rental
- Relatives/friends
- SA Rx Facility
- Streets
- Hospital
- Asst. Living
- Rented Room
- Other
- Shelter
- Jail
- Missing
- Owned

Current Living Situation By Gender



“Top 10” SF ZIP Codes (941**) By Gender

	Male	Female	Transgender	Overall
% of Total UDC within Top 10 SF ZIP	84.3%	84.7%	89.5 %	83.7 %
TL/CC - 02	17.0%	2.2%	0.8%	20.1%
TL/SOMA - 03	11.0%	1.3%	0.7%	13.1%
Polk - 09	8.2%	0.5%	0.2%	9.1%
Mission - 10	8.5%	1.1%	0.2%	9.8%
Outer Mission - 12	3.0%	0.6%	0.1%	3.7%
Castro - 14	10.1%			10.3%
Pacific Heights - 15	4.0%	0.6%	0.1%	4.8%
Haight - 17	5.8%		0.1%	6.3%
BVHP - 24	2.4%	1.7%	0.1%	3.4%
TP/DH/GP- 31	3.1%		0.1%	3.3%
Visitation Valley - 34		0.5%	0.1%	

Client Summary Findings

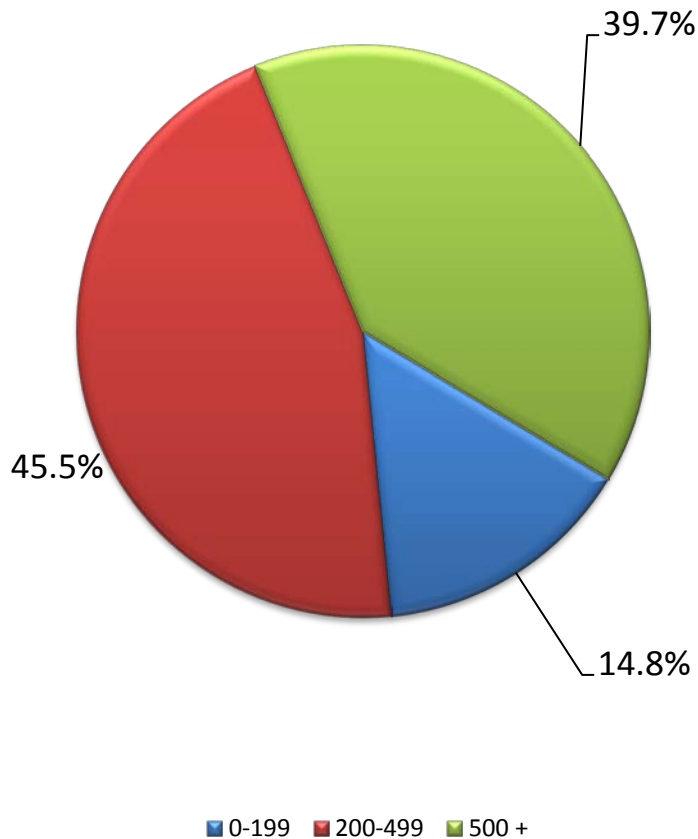
- 85.9% are male
- 46.3% are white, 21.3% African American and 21.3% Latino/a
- 55.8% have an AIDS diagnosis
- 63.8% rent their dwelling
- Most have a very low income: 45.6% at or below Federal Poverty Level (FPL) with an additional 33.7% \geq 200% of FPL.
- The highest exposure risk is MSM (non-IDU) (56.2%)
- SF zip codes indicate 42.3% of clients live in the Tenderloin/Polk/SOMA area, 10.3% in the Castro & 9.8% in the Mission

Data Question & Findings

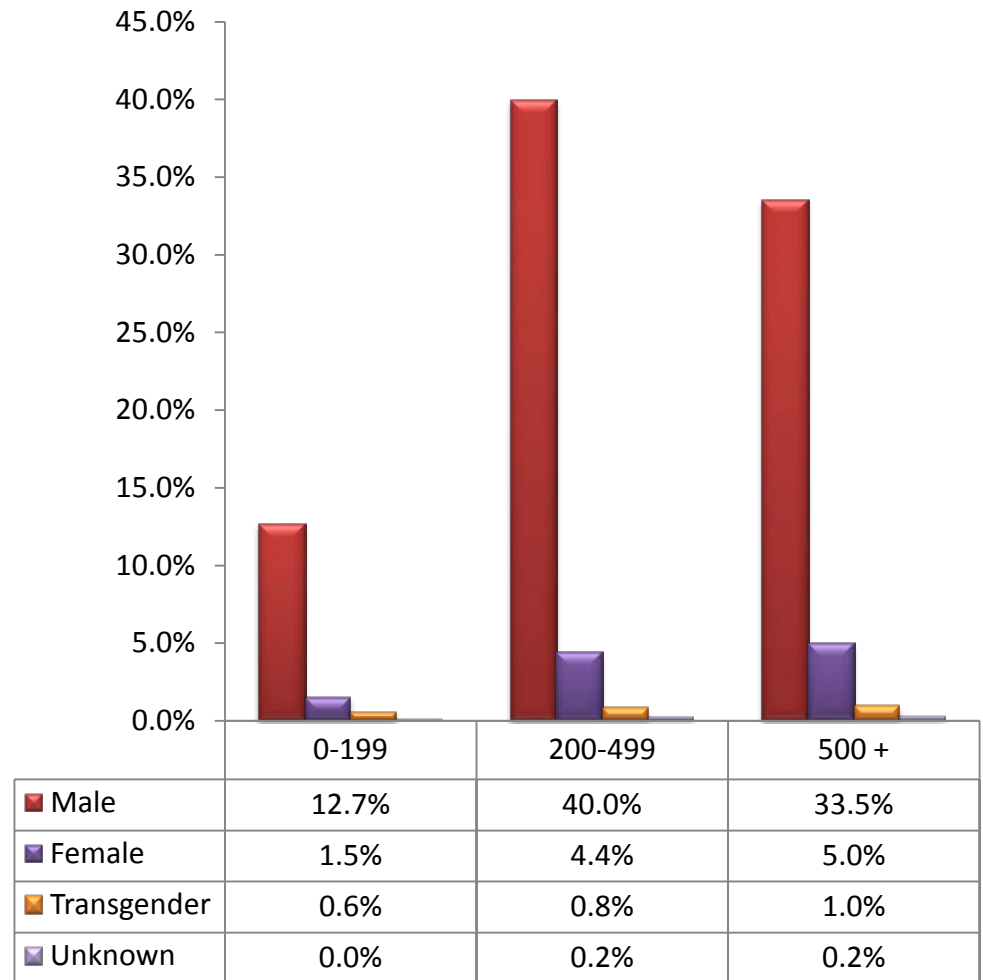
#2 What are some of the basic health indicators of the HIV Health Services clients?

CD4 Counts (n = 6073)

Overall

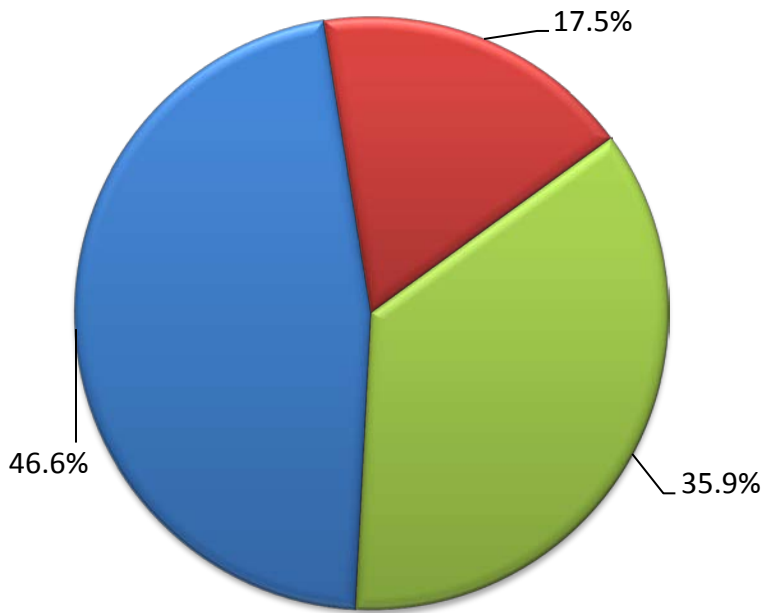


CD4 Count By Gender



Viral Load Count (n = 6073)

Overall



■ <50 (Undetectable)
 ■ 050-399
 ■ 400 +

Viral Load Count By Gender

Viral Load Count



	<50 (Undetectable)	050-399	400 +
Male	40.4%	14.8%	30.8%
Female	5.0%	2.2%	3.9%
Transgender	0.9%	0.5%	1.0%
Unknown	0.3%	0.1%	0.2%

Quality Management Indicators

- **HAART:** 81.8% of clients with AIDS are prescribed HAART (1,958/2,394 UDC). The national performance level goal for this indicator is currently set at 80%. The local performance level goal for a similar indicator is currently set at 85%. **The performance level of 81.8% ranks in the 102.3 percentile of meeting the national and 96.2 percentile of meeting the local threshold goal.**
- **Hepatitis C Screening:** 78.1% of clients for whom Hepatitis C (HCV) screening was performed at least once since diagnosis of HIV infection (2,197/2,814 UDC). The national performance level goal for this indicator is currently set at 95%. The local performance level goal for a similar indicator is currently set at 85%. **The performance level of 78.1% ranks in the 82.2 percentile of meeting the national and 91.9 percentile of meeting the local threshold goal.**
- **PCP Prophylaxis:** 69.9% of clients with a CD4 T-cell count below 200 cells/mm³ who were prescribed PCP prophylaxis (195/279 UDC). The national performance level goal for this indicator is currently set at 95%. The local performance level goal for a similar indicator is currently set at 85%. **The performance level of 69.9% ranks in the 73.6 percentile of meeting the national and 82.2 percentile of meeting the local threshold goal.**

Overall these indicators are at or near established benchmarks.

Limitations of the Data

- “New” means new to HHS funded services and does not necessarily mean “new” to HIV treatment or services prior to entering our system of care
- All data fields are not always updated every year, (client data maturation)
- The actual level of service provided may not be entered into the database, (service data maturation)
- The actual number of clients receiving services may not be entered into the database, (system data maturation)
- The effect of missing data in a given data field is amplified when data queries combine multiple fields that also contain missing data
- ARIES is unable to generate a “Severe Need” systemwide report
- Snapshot of a specific moment

Value of the Data

- Gives us a good overall picture – a snapshot of a given moment
- Tells us who is accessing our services
- Assists in sorting, combining and comparing changes across time frames, funding sources and client demographics
- Provides an informational congruence between EPI, Summary Sheets & Unmet Needs survey reports previously presented to the Council

Continuous Improvement Activities

- To provide topical training and technical assistance (TA) to HIV community service providers
- To track progress toward established markers and milestones that are indicative of the quality of service provided by local providers
- To monitor programmatic services and ensure local care services continue to adhere to the same high standard that has typified our local system of care

ARIES Challenges & Opportunities

- Duplicate records created during conversion process as agencies were converted
 - ❖ HHS staff now have authorization to use “Duplicate-Merge Application” to address issue
- ARIES was unable to report out “new” unduplicated clients for invoicing
 - ❖ A SF customized report was created and implemented to address issue
- The reporting capacity of ARIES, while efficient for federal reporting standards, is currently limited in terms of its ability to produce customized program specific reports
- Time is needed for everyone to learn new system and its full potential
- HHS will be able to provide EMA-wide data reports as all three counties are now in ARIES

Next Steps for Improvement

- Improve and enhance client service practices and outcomes through collection and application of accurate, timely electronic and other service data collection and analysis for the San Francisco EMA
- Assist agencies to apply to the State for electronic importation of client and service data
- Request from SOA customized data elements and specific report generation as identified and needed by HHS, HHSPC , Service Providers
- Assist the SOA in the enhancement of the ARIES reporting capacity on both an agency and systemic level