



UNMET NEED

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UNMET NEED

Acknowledgements:

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UNMET NEED DEFINITION

- Individual, with HIV/AIDS, who is aware of status and alive (on at least one day in the 12-month period)
- In the last 12-month period, has not received a prescription for ART, a CD4 or viral load test (any one received=need met)

CASE-LEVEL SOURCES OF DATA

- State File
- Local HIV and AIDS HARS
- Facilities A – B electronic data
- Local Laboratory data
- Local Ryan White/ADAP data
- Local Non-resident file

POTENTIAL MATCHING ELEMENTS

- State Case Number
- Soundex of last name
- Date of birth
- Gender
- Last 4 digits of SSN

FRAMEWORK WORKSHEET

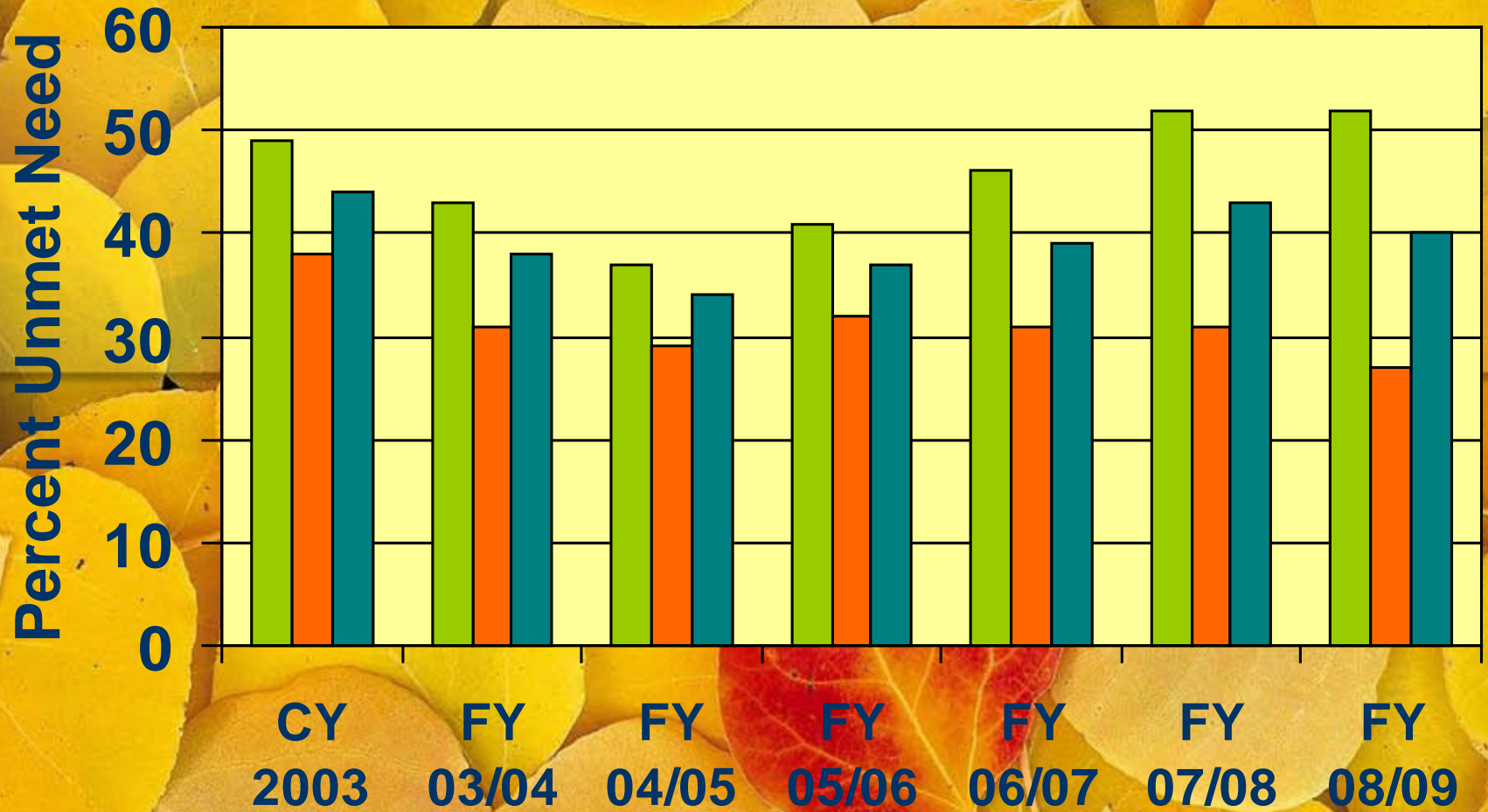
Population Sizes		Value	Data Source(s)	
Row A.	Number of persons living with AIDS (PLWA), for the period of FY 2008/2009	8,682	HARS	
Row B.	Number of persons living with HIV (PLWH)/non-AIDS/aware, for the period of FY 2008/2009	9,346	HARS and other local data from facilities, laboratories, RW/ADAP	
Row C.	Total number of HIV+/aware for the period of FY 2008/2009	18,028		
Care Patterns		Value	Data Source(s)	
Row D.	Number of PLWA who received the specified HIV primary medical care during the 12-month period [specify time period]	6,310	HARS, Medi-Cal, RW, VA, local data (facilities, laboratory data, RW/ADAP)	
Row E.	Number of PLWH/non-AIDS/aware who received the specified HIV primary medical care during the 12-month period [specify time period]	4,516	HARS, Medi-Cal, RW, VA, local data (facilities, laboratory data, RW/ADAP)	
Row F.	Total number of HIV+/aware who received the specified HIV primary medical care during the 12-month period [specify time period]	10,826		
Calculated Results		Value	Percent	Calculation
Row G.	Number of PLWA who did not receive the specified HIV primary medical care	2,372	27%	A-D
Row H.	Number of PLWH/non-AIDS/aware who did not receive the specified HIV primary medical care	4,830	52%	B-E
Row I.	Total HIV+/aware not receiving the specified HIV primary medical care (quantified estimate of unmet need)	7,202	40%	

ESTIMATE COMPARISONS

Percent Unmet Need

Status	CY 2003	FY 03/04	FY 04/05	FY 05/06	FY 06/07	FY 07/08	FY 08/09
HIV	49%	43%	37%	41%	46%	52%	52%
AIDS	38%	31%	29%	32%	31%	31%	27%
Total	44%	38%	34%	37%	39%	43%	40%

ESTIMATE COMPARISONS



DIFFERENCES BETWEEN ESTIMATES

- The decrease seen between the first 3 estimates was likely due to improved data collection
- Not sure about the increase between FY 04/05 through 07/08- some possibilities
 - Known & unknown differences in the data or data error
 - Real difference
 - Or a combination of both

Known Differences

- Decrease in AIDS cases from 06/07 to 07/08 (de-duplication?), increase in 08/09 (??)

	FY 06/07	FY 07/08	FY 08/09
AIDS cases	7400	7267	8682

- Decreased funding for support services
- Possibility: improved collection of data for those not in care

SUBPOPULATION ANALYSIS- PLWH

Groups with greater levels of unmet need ($p > .05$):

- Female: 69% (n=1149 of 1674)
- African American: 61% (n=770 of 1254)
- Native American: 72% (n=83 of 116)

Within these groups, no other demographics were found to have statistically higher UN (sex, race/ethnicity, age, risk, region)

HIV missing data: 16% race, 29% risk, 21% zip code

SUBPOPULATION ANALYSIS- PLWA

Groups with greater levels of unmet need
($p > .05$):

- African American: 36% (n=431 of 1202)

Within this group, no other demographics were found to have statistically higher UN (sex, age, risk, region)

SUBPOPULATION ANALYSIS- PLWH/A

Groups with lower levels of unmet need ($p > .05$):

- Latino HIV and AIDS
- White HIV

LIMITATIONS

- Limited private care data- upper limit
- Subpopulation data was not available from all sources nor in the same categories
- Subpopulation data had significant missing data for HIV cases
- Data not adjusted for migration
- Under-reporting and delayed reporting
- Duplicates may have been incorrectly retained or deleted
- Accuracy of matches

CALIFORNIA

- 07/08: 37% for HIV, 39% for AIDS, 38% overall
- 08/09: 47% for HIV, 32% for AIDS, 40% overall

OTHER EMAS/REGIONS

- Los Angeles: 33% for HIV (down), 37% for AIDS (up), 35% (down) overall in 08/09
- San Francisco: 27% for HIV (down), 10% for AIDS (up), 18% overall FY 08/09)
- Orange County: slight decrease in UN FY 07/08 (36% for HIV, 22% for AIDS, 28% overall), no data for 08/09

OTHER EMAS/REGIONS

- Arizona: 49% for HIV, 32% for AIDS in 2009
- Newark, NJ: 46% for HIV, 32% for AIDS in FY 2009

FUTURE ESTIMATES

- Expectation is *estimate, assess, address*
- A full year of CD4 reporting will be included in FY 09/10
- New eHARS system may help gather unmet need data for our cases that receive care elsewhere in CA



QUESTIONS?

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ESTIMATING HIV POSITIVE AND UNAWARE

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PART A SUPPLEMENTAL

- New requirements for Part A supplemental application as of 9/30/09
- Must determine the size and demographics of individuals who are HIV positive and unaware of their status
- Must develop strategies to find unaware, get them tested and linked to care
- Accounts for 1/3 of total score for supplemental application

UNAWARE ESTIMATE METHODOLOGY

- First estimate allowed us to determine the method
- We averaged two methods:
 - Start with HIV prevalence estimate, subtract off reported cases, leaving unaware
 - Start with reported living HIV and AIDS cases then back calculate the 21% the CDC estimates is unaware
- The most recent instructions are to use only the 21% back calculation method

UNAWARE ESTIMATE

HIV POSITIVE AND UNAWARE ESTIMATE AND HIV (NOT AIDS) PREVALENCE BY DEMOGRAPHIC GROUP AND EXPOSURE CATEGORY, SAN DIEGO EMA

Demographic Group/ Exposure Category	ESTIMATE OF PLWH AND UNAWARE*		HIV (NOT AIDS) PREVALENCE AS OF 12/31/09	
	<i>Estimated number of people living with HIV and not aware of status.</i>		<i>Estimated number of people living with HIV (not AIDS) as of the date specified.</i>	
	#	% of Total	#	% of Total
Race/Ethnicity				
White, not Hispanic	1589	44.9	6799	58.4
Black, not Hispanic	534	15.1	1518	13.0
Hispanic	1230	34.8	2910	25.0
Asian/Pacific Islander	156	4.4	313	2.7
American Indian/Alaska Native	30	0.9	106	0.9
Multi-Race	0	0	0	0
Unknown	0	0	0	0
Total	3539	100	11636	100
Gender				
Male	3186	90.0	10424	89.6
Female	353	10.0	1212	10.4
Total	3539	100	11636	100
Current Age** (Years)				
<13 years	***	0.4	38	0.3
13 - 19 years	40	1.1	56	0.5
20 - 44 years	2697	76.2	6908	59.4
45+ years	786	22.2	4634	39.8
Total	3539	100	11636	100
Risk Group				
Men who have sex with men	2662	75.2	8521	73.5
Injection drug users	247	7.0	706	6.1
Men who have sex with men and inject drugs	141	4.0	794	6.8
Heterosexuals	318	8.8	1175	10.2
Other/hemophilia/blood transfusion	0	0	22	0.2
Risk not reported or identified	156	4.4	376	3.2
Mother with/at risk for HIV infection	***	0.6	0	0
Total	3539	100	11594	100
Pediatric Exposure Categories				
Mother with/at risk for HIV infection	***	100	38	90.5
Other/hemophilia/blood transfusion	0	0	4	9.5
Risk not reported or identified	0	0	0	0
Total	***	100	42	100

Epidemiology Program August, 2010. Percent may not total 100 due to rounding.

*The total number of PLWA and Unaware was estimated by summing the number of living HIV and AIDS cases through 2009 and back calculating the 21% the CDC estimates is HIV positive and unaware of their status. Proportions within each category were based on HIV cases diagnosed 2008-2009, reported through 12/31/2009.

**Age for LWHA and Unaware is at diagnosis in either 2008 or 2009 while age for HIV prevalence is current age in 2009.



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