

San Francisco 90-90-90 Calculations (2016)

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San Francisco 90-90-90 Targets (2016)

San Francisco 90-90-90 Targets (2016)

PLHIV: 16,000

PLHIV Diagnosed

1st 90

94% /n=15,085

PLHIV Diagnosed on ART

79%

PLHIV on ART VS

94%

National Estimates: 86%

Calculation Method:

CD4-Depletion
Model-HIV
Surveillance data

SF Annual HIV Report, 2017

Table 3.6 Comparison of HIV prevention and care indicators for San Francisco, California, and the United States

Indicators	San Francisco	California ²	United States ²
Awareness of HIV status¹			
Estimated % persons living with HIV who know their serostatus	94% (2015)	86% (2015)	86% (2015)
Late HIV diagnosis			
% persons diagnosed with AIDS within 3 months of HIV diagnosis	11% (2016)	19% (2016)	21% (2016)
HIV care access and outcome³			
% newly diagnosed persons linked to care within 1 month of HIV diagnosis	83% (2016)	75% (2016)	76% (2016)
% PLWH who are in care (≥1 laboratory tests)	81% (2016)	75% (2015)	73% (2015)
% PLWH who are retained in care (≥2 laboratory tests)	62% (2016)	57% (2015)	57% (2015)
% PLWH who are virally suppressed	74% (2016)	64% (2015)	60% (2015)
% PLWH aged 13-24 years who are virally suppressed	69% (2016)	NA	51% (2015)
% PLWH PWID who are virally suppressed	67% (2016)	NA	52% (2015)
HIV mortality			
Death rate per 1,000 persons with HIV (including AIDS) diagnosis	14.6 (2017)	13.7 (2015)	16.5 (2015)
Death rate per 1,000 persons with AIDS diagnosis	21.1 (2017)	19.9 (2015)	24.4 (2015)

San Francisco 90-90-90 Targets (2016)

PLHIV: 16,000

PLHIV diagnosed

94%

PLHIV diagnosed on ART

2nd 90 → 79% / n=11,900

PLHIV on ART virally suppressed

94%

National Estimates: 73%
PLHIV in care (≥ 1 lab test)

Calculation Method:

$$98\% \times 81\% = \underline{79\%}$$

(on ART)

Source: 2017 HIV EPI Annual Report

Table 3.7 Estimate of ART use among persons living with HIV as of December 2017 and diagnosed in 2016 by demographic and risk characteristics, San Francisco

	Persons living with HIV, December 2017 Percent receiving ART, ever		Persons newly diagnosed with HIV, 2016 Percent receiving ART (N=265)
	Lower level estimate (N=15,952)	Upper level estimate (N=5,946)	
	Overall	90%	
Gender ¹			
Men	90%	98%	90%
Women	90%	95%	82%
Trans Women	92%	98%	100%
Race/Ethnicity			

Table 3.4 Care indicators among persons living with HIV in 2016 who were known to reside in San Francisco as of the end of 2016, by demographic and risk characteristics

	Number of living cases ¹	% with ≥ 1 laboratory test in 2016 ²	% with ≥ 2 laboratory tests in 2016 ²	% Virally suppressed (most recent viral load test in 2016 <200 copies/mL) ²
		Total	13,113	81%
Gender ³				
Men	12,025	81%	61%	74%
Women	729	82%	64%	68%
Trans Women	356	84%	67%	68%

San Francisco 90-90-90 Targets (2016)

PLHIV: 16,000

PLHIV diagnosed

94%

PLHIV diagnosed on ART

79%

PLHIV on ART virally suppressed

3rd 90

94% /n= 11,200

National Estimates: 60%

Calculation Method:

$$74\% \text{ (VS)} / 79\% \text{ (ART)} = 94\% \text{ (VS)}$$

Table 3.4 Care indicators among persons living with HIV in 2016 who were known to reside in San Francisco as of the end of 2016, by demographic and risk characteristics

	Number of living cases ¹	% with >= 1 laboratory test in 2016 ²	% with >=2 laboratory tests in 2016 ²	% Virally suppressed (most recent viral load test in 2016 <200 copies/mL) ²
Total	13,113	81%	62%	74%
Gender ³				
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San Francisco HIV Surveillance System Data Collection Challenges

- Staff time to conduct Chart Review
 - Prospective chart review/limited information
- Medication Adherence (limited with chart review only)
- Retention in care (patient only taking meds)
 - Lead to under estimation
- Inconsistent reporting from providers

HIV Epidemiology Data: Response to HIV Epidemic



- New infections by race/ethnicity, risk group, housing status
- Time to care, ART, viral suppression also by subgroups, as above
- Geographic distribution of new infections, viral suppression
- Late diagnoses (AIDS within 3 months of first HIV positive test)
- Survival after diagnosis
- Funding allocation
- Improve Program Implementation & Evaluation