RYAN WHITE UNMET NEED ESTIMATION 2021

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March, 1, 2022

NEW PROCESS – CHANGE FOR 2021

- Updated Method
  - Required
    - All PLWH in the County
  - Enhanced
    - RW clients
  - County chose to also submit Enhanced
  - Select 3 Target Populations
    - Black MSM, Latino MSM, IDU/MSM+IDU
- CDC provided template
  - Calculate/autopopulate

ISSUES – 2020 DATA

- COVID
  - HIV Surveillance staff seconded to COVID activities
    - Insufficient to handle
    - 1 Epi returned for 3 months before being pulled again
  - High potential for incomplete data
    - CDPH provided some processed data that could be used

Table 1: Summary of Components for the Updated Unmet Need Methodology:
Required Estimates and Analyses[6]

Component	Definition
New Diagnoses	The number of people in the jurisdiction with HIV diagnosed in the most recent calendar year based on residence at time of diagnosis.
Late Diagnoses	The number of people with late diagnosed HIV in the most recent calendar year in the jurisdiction based on residence at time of diagnosis. Late diagnosed HIV is based on the first CD4 test result (<200 cells/mL or a CD4 percentage of total lymphocytes of <14) or documentation of an AIDS-defining condition ≤3 months after a diagnosis of HIV infection. If ≥2 events occurred during the same month and could thus qualify as "first," apply the same conditions applied by CDC.[7]
Population Size	The number of people living with diagnosed HIV infection in the jurisdiction based on most recent known address who had an HIV diagnosis or any other HIV-related lab data (e.g., CD4, VL, genotype, or HIV test even if already diagnosed) reported to the HIV surveillance program during the most recent five calendar year period.
Care Patterns – Number of people with met need (in care)	In the most recent calendar year, the number of people living with diagnosed HIV infection in the jurisdiction based on most recent known address with at least one CD4 or VL test.
Care Patterns - Number of people with unmet need (not in care)	In the most recent calendar year, the number of people living with diagnosed HIV infection in the jurisdiction based on most recent known address without any CD4 or VL tests.
Virally Suppressed	In the most recent calendar year, the number of people living with diagnosed HIV infection in the jurisdiction who are in care whose most recent viral load test was <200 copies/mL.
Not Virally Suppressed	In the most recent calendar year, the number of people living with diagnosed HIV infection in the jurisdiction who are in care whose most recent viral load test was ≥200 copies/mL.
Priority Populations	Choose three priority populations in the jurisdiction and determine the number of individuals in each of those priority populations with new diagnoses, late diagnosed HIV, unmet need, and the number in care but not virally suppressed.

Table 2: Summary of Components for the Updated Unmet Need Methodology: *Enhanced Estimates and Analyses*[8]

Data Element	Definition
Number of RWHAP clients	In the most recent calendar year, the number of RWHAP clients in the jurisdiction who received any RWHAP or RWHAP-related funded service.
Care Patterns: Number of RWHAP clients with met need (in care)	In the most recent calendar year, the number of RWHAP clients in the jurisdiction with a CD4 test or VL test or outpatient/ambulatory health services (OAHS) visit.[9]
Care Patterns: Number of RWHAP clients with unmet need (not in care)	In the most recent calendar year, the number of RWHAP clients in the jurisdiction without any CD4, VL test or OAHS visit.[10]
Number of RWHAP clients in care and Virally Suppressed	For the most recent calendar year, the number of RWHAP clients in the jurisdiction who are in care whose most recent viral load test was <200 copies/mL.
Number of RWHAP clients in care and not Virally Suppressed	For the most recent calendar year, the number of RWHAP clients in the jurisdiction who are in care whose most recent viral load test was ≥200 copies/mL.
Priority Populations	Choose three priority populations in the jurisdiction and determine the number of RWHAP clients in each of those priority populations with an unmet need and those who are in care but not virally suppressed.
Subpopulation Analyses: HIV surveillance data	Determine the characteristics (current gender identity, age, race/ethnicity, transmission category, and geographic area of residence) of people living with diagnosed HIV infection in the jurisdiction using the previously specified definitions for: • Population Size • New Diagnoses • Late Diagnoses • Care Patterns • In Care, Not Virally Suppressed
Subpopulation Analyses: RWHAP clients	Determine the characteristics (current gender identity, age, race/ethnicity, transmission category, and geographic area of residence) of RWHAP clients in the jurisdiction using the previously specified definitions for: • RWHAP Clients • Care Patterns • In Care, Not Virally Suppressed

SUBPOPULATIONS – DATA ENTERED

Calculation Table 2A: Subpopulation Analyses – HIV Surveillance Data

Jurisdiction Name:

		Totals	Numerical Inputs					Auto-Calculated Percentages					
								Within Categories			Across Categories		
	Category	# of People Living with Diagnosed HIV Infection	# of New Diagnoses	# Late Diagnoses	# In Care	# Unmet Need	# In Care Not Virally Suppressed	% Late Diagnosed	% Unmet Need	% In Care Not Virally Suppressed	% Late Diagnosed	% Unmet Need	% In Care Not Virally Suppressed
A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Total	14,061	302	61	9,720	4,341	1,801	20.2%	30.9%	18.5%	100.0%	100.0%	100.0%
7	TARGET POPULATIONS (Determined by jurisdiction)												
	BLACK MSM	942	19	3	610	332	162	15.8%	35.2%	26.6%	4.9%	7.6%	9.0%
	LATINX MSM	3,812	73	8	2,509	1,303	407	11.0%	34.2%	16.2%	13.1%	30.0%	22.6%
	IDU+MSM&IDU	1,772	22	5	1,185	587	261	22.7%	33.1%	22.0%	8.2%	13.5%	14.5%

[4] CDC analyses typically only include persons age 13 years of age or older in analyses of care outcomes. Therefore, HIV surveillance data analyses should be limited individuals age 13 years of age or older. Jurisdictions may choose individuals <13 years of age in local analyses, but these individuals should not be

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Calculation Table 2B: Subpopulation Analyses – RWHAP Data

Jurisdiction Name:

		Totals	Numerical Inputs			Auto-Calculated Percentages			
						Within Categories		Across Categories	
	Category	# of RWHAP Clients	# In Care	# Unmet Need	# In Care Not Virally Suppressed	% Unmet Need	% In Care Not Virally Suppressed	% Unmet Need	% In Care Not Virally Suppressed
A	B	C	D	E	F	G	H	I	J
1	Total	3,657	2,896	761	423	20.8%	14.6%	#####	100.0%
7	TARGET POPULATIONS (Determined by jurisdiction)								
	Priority Population #1	245	202	43	31	17.6%	15.3%	5.7%	7.3%
	Priority Population #2	1,333	1,179	154	190	11.6%	16.1%	20.2%	44.9%
	Priority Population #3	2,557	2,092	465	299	18.2%	14.3%	61.1%	70.7%

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HIV SURVEILLANCE (REQUIRED)- CALCULATIONS

Calculation Table 1A: Unmet Need Framework HIV Surveillance Data

Jurisdiction Name: San Diego

A	B	C	D	E
Years of data				
1	**New Diagnoses:** Most recent calendar year for which data are available	2020		
2	**Care Patterns:** Most recent calendar year for which data are available	2020		
3	**Population size:** Most recent 5 calendar year period for which data are available	2016	-2020	
	Definition/Description	**Number**	**Percent**	**Data Source**
Late Diagnosed				
4	**Late diagnoses:** Number of people with late diagnosed HIV in the most recent calendar year in the jurisdiction based on residence at time of diagnosis. Late diagnosed HIV is based on the first CD4 test result (<200 cells/mL or a CD4 percentage of total lymphocytes of <14) or documentation of an AIDS-defining condition ≤3 months after a diagnosis of HIV infection	61	20.2%	HIV Surveillance data
5	**New diagnoses:** Number of people in the jurisdiction with HIV diagnosed in the most recent calendar year based on residence at time of diagnosis	302		
Population Size				
6	**Population size:** Number of people living with diagnosed HIV infection in the jurisdiction based on most recent known address who had an HIV diagnosis or any other HIV-related lab data (e.g., CD4, VL, genotype, or HIV test even if already diagnosed) reported to the HIV surveillance program during the most recent five calendar year period	14,061		HIV Surveillance data
Care Patterns				
7	**Met need (In care):** Number of people living with diagnosed HIV infection in the jurisdiction based on most recent known address with a CD4 test or VL test in the most recent calendar year	9,720	69.1%	HIV Surveillance data; if linked databases are used please specify[1]
8	**Unmet need:** Number of people living with diagnosed HIV infection in the jurisdiction based on most recent known address without any CD4 or VL test in the most recent calendar year	4,341	30.9%	
In Care, Viral Suppression				
9	**Virally suppressed:** Number of people living with diagnosed HIV infection in the jurisdiction who are in care and whose most recent viral load test result was <200 copies/mL in the most recent calendar year	7,919	81.5%	HIV Surveillance data; if linked databases are used please specify[1]
10	**Not virally suppressed:** Number of people living with diagnosed HIV infection in the jurisdiction who are in care and whose most recent viral load test result was ≥200 copies/mL in the most recent calendar year	1,801	18.5%	

[1]Linked database jurisdictions may also use data from RWHAP or other databases as long as data are from a clinical source. Linked databases may only be used for care pattern definitions and in care, viral suppression.

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RWHAP (ENHANCED) - CALCULATIONS

Calculation Table 1B: Unmet Need Framework Ryan White HIV/AIDS Program (RWHAP) Data

Jurisdiction Name: San Diego

	A	B	C	D	E
Year of data					
	1	**Care Patterns:** Most recent calendar year for which data are available	2020		
		Definition/Description	Number	Percent	Data Source
RWHAP Clients					
	2	**RWHAP clients:** Number of RWHAP clients in the jurisdiction who received any RWHAP or RWHAP-related funded service in the most recent calendar year	3,657		RWHAP Database
Care Patterns					
	3	**Met need (In care):** Number of RWHAP clients in the jurisdiction with a CD4 or VL test or OAHS visit[3] in the most recent calendar year	2,896	79.2%	RWHAP Database; if linked databases are used please specify[2]
	4	**Unmet need:** Number of RWHAP clients in the jurisdiction without any CD4, VL test or OAHS visit[3] in the most recent calendar year	761	20.8%	
In Care, Viral Suppression					
	5	**Virally suppressed:** Number of RWHAP clients in the jurisdiction who are in care and whose most recent viral load test result was <200 copies/mL	2,473	85.4%	RWHAP Database; if linked databases are used please specify[2]
	6	**Not virally suppressed:** Number of RWHAP clients in the jurisdiction who are in care and whose most recent viral load test result was ≥200 copies/mL	423	14.6%	
[2]Linked database jurisdictions may also use data from HIV Surveillance or other databases as long as clinical data from other databases are from a clinical source. Linked databases may only be used for care pattern definitions and in care, viral suppression.					
[3]Jurisdictions may choose to use other services to reflect HIV primary medical care. Any variation from the definitions should be clearly stated in documentation that accompanies the estimates.					
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Reporting Template A - Unmet Need

Jurisdiction Name: San Diego County				**Approach?**	**Enhanced**
				Linked Databases Used?	**No**

Definition/Description	**Number**	**Percent**	**Data Source**	**Year(s) of Data**
A / **B**	**C**	**D**	**E**	**F**

HIV SURVEILLANCE DATA

Late Diagnosed

	Definition/Description	**Number**	**Percent**	**Data Source**	**Year(s) of Data**
1	**Late diagnoses:** Number of people with late diagnosed HIV in the most recent calendar year in the jurisdiction based on residence at time of diagnosis. Late diagnosed HIV is based on the first CD4 test result (<200 cells/mL or a CD4 percentage of total lymphocytes of <14) or documentation of an AIDS-defining condition ≤3 months after a diagnosis of HIV infection	61	20.2%	HIV Surveillance data	2020
2	**New diagnoses:** Number of people in the jurisdiction with HIV diagnosed in the most recent calendar year based on residence at time of diagnosis	302			

Unmet Need

3	**Unmet need:** Number of people living with diagnosed HIV infection in the jurisdiction based on most recent known address without any CD4 or VL test in the most recent calendar year	4,341	30.9%	HIV Surveillance data; if linked databases are used please specify[1]	2020
4	**Population size:** Number of people living with diagnosed HIV infection in the jurisdiction based on most recent known address who had an HIV diagnosis or any other HIV-related lab data (e.g., CD4, VL, genotype, or HIV test even if already diagnosed) reported to the HIV surveillance program during the most recent five calendar year period	14,061		HIV Surveillance data	2016 –2020

In Care, Not Virally Suppressed

5	**Not virally suppressed:** Number of people living with diagnosed HIV infection in the jurisdiction who are in care and whose most recent viral load test result was ≥200 copies/mL in the most recent calendar year	1,801	18.5%	HIV Surveillance data; if linked databases are used please specify[1]	2020

RYAN WHITE HIV/AIDS PROGRAM (RWHAP) DATA

Unmet Need

6	**Unmet need:** Number of RWHAP clients in the jurisdiction without any CD4, VL test or OAHS visit[3] in the most recent calendar year	761	20.8%	RWHAP Database; if linked databases are used please specify[2]	2020
7	**RWHAP clients:** Number of RWHAP clients in the jurisdiction who received any RWHAP or RWHAP-related funded service in the most recent calendar year	3,657		RWHAP data	

In Care, Not Virally Suppressed

8	**Not virally suppressed:** Number of RWHAP clients in the jurisdiction who are in care whose most recent viral load test result was ≥200 copies/mL in the most recent calendar year	423	14.6%	RWHAP Database; if linked databases are used please specify[2]	2020

REPORTED – PRIORITY POPULATIONS

Reporting Template B - Priority Populations

Jurisdiction Name: San Diego County — **Approach?** Enhanced

A	B Category	C # of People Living with Diagnosed HIV infection	D # New Diagnoses	E # Late Diagnosed	F # Unmet Need	G # In Care, Not Virally Suppressed	H % Late Diagnosed	I % Unmet Need	J % In Care, Not Virally Suppressed	K % Late Diagnosed	L % Unmet Need	M % In Care, Not Virally Suppressed
		Totals	Numerical Inputs				Auto-Calculated Percentages					
							Within Categories			Across Categories		
HIV SURVEILLANCE DATA												
1	Total	14,061	302	61	4,341	1,801	20.2%	30.9%	18.5%	100.0%	100.0%	100.0%
2	PRIORITY POPULATIONS (Determined by Jurisdiction)											
	BLACK MSM	942	19	3	332	162	15.8%	35.2%	26.6%	4.9%	7.6%	9.0%
	LATINX MSM	3,812	73	8	1,303	407	11.0%	34.2%	16.2%	13.1%	30.0%	22.6%
	IDU+MSM&IDU	1,772	22	5	587	0	22.7%	33.1%	22.0%	8.2%	13.5%	14.5%
RYAN WHITE HIV/AIDS PROGRAM (RWHAP) DATA												
5	Total	3,657			761	423		20.8%	14.6%		100.0%	100.0%
6	PRIORITY POPULATIONS (Determined by Jurisdiction)											
	BLACK MSM	245			43	31		17.6%	15.3%		5.7%	7.3%
	LATINX MSM	1,333			154	190		11.6%	16.1%		20.2%	44.9%
	IDU+MSM&IDU	2,557			465	299		18.2%	14.3%		61.1%	70.7%

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QUESTIONS?

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