

Unmet Need for HIV Care in Arizona for the 2010 Calendar Year

The Unmet Needs Estimate is an annual estimate that measures the proportion of persons living with HIV/AIDS in Arizona who meet a minimal standard of HIV primary care. For purposes of this estimate a person is considered to have a “met need” for HIV primary care if they have had at least one CD4 count or viral load, or have taken HIV medication during the course of the year. All other persons are considered to have an “unmet need.” The annual Unmet Need Estimate is the percentage of all persons reported to be living with HIV/AIDS clients who remain classified as having an unmet need for HIV primary care after all testing and treatment data for that year are taken into consideration.

In Arizona, the Unmet Needs Estimate is calculated by examining all prevalent cases in the state and using data from eHARS (enhanced HIV/AIDS Reporting System), ADAP (Arizona AIDS Drug Assistance Program) and laboratory sources to determine who has a met need for HIV primary care. Deterministic matching is used to link prevalent cases to lists of CD4 counts and viral loads ordered in 2010 from the four major laboratories in Arizona (Sonora Quest, LabCorp, ARUP and the Maricopa Integrated Health System laboratory, which combined contribute approximately 90-95% of HIV-related tests reported to the Arizona HIV Surveillance Program).

The proportion of persons with an unmet is stratified by gender, age, race/ethnicity, reported risk and diagnostic status. In addition to a statewide estimate, estimates are calculated for the Phoenix EMA (Maricopa and Pinal Counties), Maricopa County, Pima County, and the rural counties. For 2010, prevalence proportions were provided.

There are an estimated 6350 persons in Arizona (44.6% of persons living with HIV/AIDS) with an unmet need for HIV primary care in calendar year 2010. This is an increase of nearly 350 persons and over 3 percentage points compared to 2009. The Phoenix EMA, climbed to an unmet need of 44.1% in 2010 from 42.3% in 2009. The number of persons living with HIV/AIDS increased by 3.4% due to better assignment of county of residence described below.

The total number of persons living with HIV/AIDS outside of Maricopa, Pinal and Pima counties dropped from 2009 to 2010 because of an effort to better assign county of residence and it not a result of an actual decrease in prevalence. In 2009 unknown county of residence was assigned to Rural counties, in 2010, an extended effort was made to identify missing county information by using zip-codes to assign the county. In this effort, the majority of those with previously unidentified counties were assigned to Maricopa county and thereby reducing the total prevalence in the Rural counties. The number of individuals with an unmet need in Rural counties declined by 46 persons (661-615) even though the unmet need proportion rose to 48.8%.

Summary By Geographic Area –

Area	Unmet Need 2009		Unmet Need 2010	
	%	#	%	#
Arizona	41.4%	5972	44.6%	6350
Phoenix EMA	42.3%	4355	44.1%	4689
Pima	41.9%	956	44.6%	1046
Maricopa	41.5%	4033	43.2%	4264
Rural*	35.5%	661	48.8%	615

HIV UNMET NEED ESTIMATE: 2010 CALENDAR YEAR DATA

(completed 8/2011)

STATE OF ARIZONA:

<u>Unmet Needs in Arizona - 2010</u>	<u>Case Count</u>	<u>Unmet Need Relative Proportion</u>	<u>Relative Proportion State Population</u>	<u>Relative Proportion Prevalence</u>
Total Persons with Unmet Need for HIV Primary Care	6350	44.58%		
Total Persons living with HIV/AIDS	14243			
<u>Persons with an Unmet Need By Gender</u>				
Males	5501	86.63%	50.16%	86.15%
Females	849	13.37%	49.84%	13.85%
Total	6350			
<u>Persons with an Unmet Need By Age</u>				
Age <2 Years	1	0.02%	3.11%	0.01%
Age 2-12	25	0.39%	16.31%	0.38%
Age 13-19	19	0.30%	9.42%	0.49%
Age 20-24	121	1.91%	6.53%	2.32%
Age 25-29	294	4.63%	7.56%	5.30%
Age 30-34	508	8.00%	6.97%	8.25%
Age 35-39	681	10.72%	6.76%	11.21%
Age 40-44	1014	15.97%	6.26%	16.74%
Age 45-49	1348	21.23%	6.73%	21.32%
Age 50-54	1090	17.17%	6.33%	15.81%
Age 55-59	621	9.78%	5.69%	9.41%
Age 60-64	341	5.37%	5.12%	4.96%
Age 65 and Above	287	4.52%	13.20%	3.76%
Unknown Age	0	0.00%	N/A	0.04%
Total	6350			
<u>Persons with an Unmet Need By Race/Ethnicity</u>				
White Non-Hispanic	3522	55.46%	57.32%	57.35%
Black Non-Hispanic	782	12.31%	4.19%	11.33%
Hispanic	1685	26.54%	31.40%	25.42%
Asian/Pacific Islander Non-Hispanic	64	1.01%	2.88%	1.22%
American Indian/Alaska Native Non-Hispanic	171	2.69%	4.25%	3.20%
Multi-Race/Other Race/Unknown	126	1.98%	N/A	1.47%
Total	6350			
<u>Persons with an Unmet Need By Reported Risk</u>				
MSM	3507	55.23%	N/A	60.22%
IDU	848	13.35%	N/A	10.99%
MSM/IDU	599	9.43%	N/A	8.57%
Heterosexual	586	9.23%	N/A	10.06%
Blood Exposure/Other	36	0.57%	N/A	0.46%
Maternal Vertical Transmission	51	0.80%	N/A	0.88%
No Reported Risk/ Unknown Risk	723	11.39%	N/A	8.80%
Total	6350			
Any MSM	4106	64.66%	N/A	68.79%
Any IDU	1447	22.79%	N/A	19.56%

HIV UNMET NEED ESTIMATE: 2010 CALENDAR YEAR DATA

(completed 8/2011)

STATE OF ARIZONA:

	<u>IN CARE</u>	Column %	Row %	<u>UNMET NEED</u>	Column %	Row %	<u>TOTAL</u>	Column %	Row %
<u>HIV</u>	3218	40.8%	46.9%	3648	57.4%	53.1%	6866	48.2%	100.0%
<u>AIDS</u>	4675	59.2%	63.4%	2702	42.6%	36.6%	7377	51.8%	100.0%
<u>Unknown</u>	0	0.0%	0.0%	0	0.0%	0.0%	0	0.0%	0.0%
<u>Total</u>	7893	100.0%	55.4%	6350	100.0%	44.6%	14243	100.0%	100.0%

HIV UNMET NEED ESTIMATE: 2010 CALENDAR YEAR DATA

(completed 8/2011)

PHOENIX EMA:

<u>Unmet Needs in Phoenix EMA - 2010</u>	<u>Case Count</u>	<u>Unmet Need Relative Proportion</u>	<u>Relative Proportion EMA Population</u>	<u>Relative Proportion Prevalence</u>
Total Persons with Unmet Need for HIV Primary Care	4689	44.09%		
Total Persons living with HIV/AIDS	10636			
 <u>Persons with an Unmet Need By Gender</u>				
Males	4095	87.33%	50.64%	86.69%
Females	594	12.67%	49.36%	13.31%
Total	4689			
 <u>Persons with an Unmet Need By Age</u>				
Age <2 Years	0	0.00%	3.25%	0.01%
Age 2-12	16	0.34%	17.09%	0.37%
Age 13-19	11	0.23%	9.36%	0.49%
Age 20-24	93	1.98%	6.40%	2.52%
Age 25-29	239	5.10%	8.15%	5.84%
Age 30-34	417	8.89%	7.70%	9.02%
Age 35-39	538	11.47%	7.39%	11.94%
Age 40-44	783	16.70%	6.64%	17.66%
Age 45-49	1005	21.43%	6.79%	21.30%
Age 50-54	754	16.08%	6.06%	14.86%
Age 55-59	424	9.04%	5.20%	8.35%
Age 60-64	223	4.76%	4.60%	4.32%
Age 65 and Above	186	3.97%	11.37%	3.30%
Unknown Age	0	0.00%	N/A	0.01%
Total	4689			
 <u>Persons with an Unmet Need By Race/Ethnicity</u>				
White Non-Hispanic	2563	54.66%	57.36%	56.96%
Black Non-Hispanic	612	13.05%	4.93%	12.33%
Hispanic	1274	27.17%	32.35%	25.50%
Asian/Pacific Islander Non-Hispanic	52	1.11%	3.34%	1.25%
American Indian/Alaska Native Non-Hispanic	94	2.00%	2.02%	2.57%
Multi-Race/Other Race/Unknown	94	2.00%	N/A	1.38%
Total	4689			
 <u>Persons with an Unmet Need By Reported Risk</u>				
MSM	2658	56.69%	N/A	61.06%
IDU	595	12.69%	N/A	10.47%
MSM/IDU	436	9.30%	N/A	8.43%
Heterosexual	400	8.53%	N/A	9.66%
Blood Exposure/Other	24	0.51%	N/A	0.37%
Maternal Vertical Transmission	26	0.55%	N/A	0.77%
No Reported Risk/ Unknown Risk	550	11.73%	N/A	9.24%
Total	4689			
Any MSM	3094	65.98%	N/A	69.49%
Any IDU	1031	21.99%	N/A	18.90%

HIV UNMET NEED ESTIMATE: 2010 CALENDAR YEAR DATA

(completed 8/2011)

PHOENIX EMA:

	<u>IN</u> <u>CARE</u>	Column %	Row %	<u>UNMET</u> <u>NEED</u>	Column %	Row %	<u>TOTAL</u>	Column %	Row %
<u>HIV</u>	2484	41.8%	47.4%	2753	58.7%	52.6%	5237	49.2%	100.0%
<u>AIDS</u>	3463	58.2%	64.1%	1936	41.3%	35.9%	5399	50.8%	100.0%
<u>Unknown</u>	0	0.0%	0.0%	0	0.0%	0.0%	0	0.0%	0.0%
<u>Total</u>	5947	100.0%	55.9%	4689	100.0%	44.1%	10636	100.0%	100.0%

HIV UNMET NEED ESTIMATE: 2010 CALENDAR YEAR DATA

(completed 8/2011)

PIMA COUNTY:

<u>Unmet Needs in PIMA COUNTY 2010</u>	<u>Case Count</u>	<u>Unmet Need Relative Proportion</u>	<u>Relative Proportion County Population</u>	<u>Relative Proportion Prevalence</u>
Total Persons with Unmet Need for HIV Primary Care	1046	44.59%		
Total Persons living with HIV/AIDS	2346			
 <u>Persons with an Unmet Need By Gender</u>				
Males	908	86.81%	49.02%	86.08%
Females	138	13.19%	50.98%	13.92%
Total	1046			
 <u>Persons with an Unmet Need By Age</u>				
Age <2 Years	1	0.10%	2.72%	0.04%
Age 2-12	7	0.67%	14.35%	0.43%
Age 13-19	7	0.67%	8.98%	0.56%
Age 20-24	20	1.91%	6.63%	1.98%
Age 25-29	21	2.01%	7.81%	3.05%
Age 30-34	58	5.54%	6.87%	5.72%
Age 35-39	86	8.22%	6.01%	9.45%
Age 40-44	138	13.19%	5.67%	14.31%
Age 45-49	219	20.94%	6.63%	21.57%
Age 50-54	229	21.89%	6.80%	18.91%
Age 55-59	126	12.05%	6.51%	12.46%
Age 60-64	69	6.60%	5.83%	6.66%
Age 65 and Above	65	6.21%	15.21%	4.77%
Unknown Age	0	0.00%	N/A	0.09%
Total	1046			
 <u>Persons with an Unmet Need By Race/Ethnicity</u>				
White Non-Hispanic	616	58.89%	56.45%	57.84%
Black Non-Hispanic	122	11.66%	3.75%	10.27%
Hispanic	267	25.53%	34.16%	26.99%
Asian/Pacific Islander Non-Hispanic	5	0.48%	2.87%	1.20%
American Indian/Alaska Native Non-Hispanic	14	1.34%	2.77%	2.02%
Multi-Race/Other Race/Unknown	22	2.10%	N/A	1.68%
Total	1046			
 <u>Persons with an Unmet Need By Reported Risk</u>				
MSM	571	54.59%	N/A	61.07%
IDU	163	15.58%	N/A	11.99%
MSM/IDU	101	9.66%	N/A	8.25%
Heterosexual	91	8.70%	N/A	9.71%
Blood Exposure/Other	7	0.67%	N/A	0.82%
Maternal Vertical Transmission	21	2.01%	N/A	1.33%
No Reported Risk/ Unknown Risk	92	8.80%	N/A	6.79%
Total	1046			
Any MSM	672	64.24%	N/A	69.32%
Any IDU	264	25.24%	N/A	20.24%

HIV UNMET NEED ESTIMATE: 2010 CALENDAR YEAR DATA

(completed 8/2011)

PIMA COUNTY:

	<u>IN</u> <u>CARE</u>	Column %	Row %	<u>UNMET</u> <u>NEED</u>	Column %	Row %	<u>TOTAL</u>	Column %	Row %
<u>HIV</u>	487	37.5%	45.8%	577	55.2%	54.2%	1064	45.4%	100.0%
<u>AIDS</u>	813	62.5%	63.4%	469	44.8%	36.6%	1282	54.6%	100.0%
<u>Unknown</u>	0	0.0%	0.0%	0	0.0%	0.0%	0	0.0%	0.0%
<u>Total</u>	1300	100.0%	55.4%	1046	100.0%	44.6%	2346	100.0%	100.0%

HIV UNMET NEED ESTIMATE: 2010 CALENDAR YEAR DATA

(completed 8/2011)

MARICOPA COUNTY:

<u>Unmet Needs in MARICOPA COUNTY 2010</u>	<u>Case Count</u>	<u>Unmet Need Relative Proportion</u>	<u>Relative Proportion County Population</u>	<u>Relative Proportion Prevalence</u>
Total Persons with Unmet Need for HIV Primary Care	4264	43.21%		
Total Persons living with HIV/AIDS	9868			
 <u>Persons with an Unmet Need By Gender</u>				
Males	3712	87.05%	50.51%	86.49%
Females	552	12.95%	49.49%	13.51%
Total	4264			
 <u>Persons with an Unmet Need By Age</u>				
Age <2 Years	0	0.00%	3.23%	0.01%
Age 2-12	15	0.35%	17.14%	0.39%
Age 13-19	11	0.26%	9.41%	0.49%
Age 20-24	85	1.99%	6.45%	2.54%
Age 25-29	217	5.09%	8.17%	5.82%
Age 30-34	352	8.26%	7.70%	8.68%
Age 35-39	459	10.76%	7.40%	11.56%
Age 40-44	699	16.39%	6.70%	17.49%
Age 45-49	926	21.72%	6.85%	21.44%
Age 50-54	704	16.51%	6.10%	15.11%
Age 55-59	405	9.50%	5.17%	8.60%
Age 60-64	214	5.02%	4.51%	4.50%
Age 65 and Above	177	4.15%	11.17%	3.37%
Unknown Age	0	0.00%	N/A	0.01%
Total	4264			
 <u>Persons with an Unmet Need By Race/Ethnicity</u>				
White Non-Hispanic	2478	58.11%	57.26%	59.12%
Black Non-Hispanic	583	13.67%	4.97%	12.47%
Hispanic	994	23.31%	32.57%	23.34%
Asian/Pacific Islander Non-Hispanic	42	0.98%	3.46%	1.19%
American Indian/Alaska Native Non-Hispanic	78	1.83%	1.75%	2.50%
Multi-Race/Other Race/Unknown	89	2.09%	N/A	1.38%
Total	4264			
 <u>Persons with an Unmet Need By Reported Risk</u>				
MSM	2509	58.84%	N/A	62.75%
IDU	478	11.21%	N/A	9.39%
MSM/IDU	388	9.10%	N/A	8.17%
Heterosexual	355	8.33%	N/A	9.58%
Blood Exposure/Other	23	0.54%	N/A	0.39%
Maternal Vertical Transmission	25	0.59%	N/A	0.79%
No Reported Risk/ Unknown Risk	486	11.40%	N/A	8.94%
Total	4264			
Any MSM	2897	67.94%	N/A	70.92%
Any IDU	866	20.31%	N/A	17.56%

HIV UNMET NEED ESTIMATE: 2010 CALENDAR YEAR DATA

(completed 8/2011)

MARICOPA COUNTY:

	<u>IN CARE</u>	Column %	Row %	<u>UNMET NEED</u>	Column %	Row %	<u>TOTAL</u>	Column %	Row %
<u>HIV</u>	2366	42.2%	48.4%	2524	59.2%	51.6%	4890	49.6%	100.0%
<u>AIDS</u>	3238	57.8%	65.0%	1740	40.8%	35.0%	4978	50.4%	100.0%
<u>Unknown</u>	0	0.0%	0.0%	0	0.0%	0.0%	0	0.0%	0.0%
<u>Total</u>	5604	100.0%	56.8%	4264	100.0%	43.2%	9868	100.0%	100.0%

HIV UNMET NEED ESTIMATE: 2010 CALENDAR YEAR DATA

(completed 8/2011)

RURAL COUNTIES (NOT MARICOPA, PIMA OR PINAL):

<u>Unmet Needs in Rural Counties 2010</u>	<u>Case Count</u>	<u>Unmet Need Relative Proportion</u>	<u>Relative Proportion Rural Population</u>	<u>Relative Proportation Prevalence</u>
Total Persons with Unmet Need for HIV Primary Care	615	48.77%		
Total Persons living with HIV/AIDS	1261			
 <u>Persons with an Unmet Need By Gender</u>				
Males	498	80.98%	49.38%	82.41%
Females	117	19.02%	50.62%	17.59%
Total	615			
 <u>Persons with an Unmet Need By Age</u>				
Age <2 Years	0	0.00%	2.92%	0.00%
Age 2-12	2	0.33%	15.13%	0.35%
Age 13-19	1	0.16%	10.02%	0.42%
Age 20-24	8	1.30%	6.94%	1.39%
Age 25-29	34	5.53%	5.19%	5.01%
Age 30-34	33	5.37%	4.40%	6.75%
Age 35-39	57	9.27%	5.12%	8.76%
Age 40-44	93	15.12%	5.37%	13.98%
Age 45-49	124	20.16%	6.60%	21.00%
Age 50-54	107	17.40%	6.91%	17.66%
Age 55-59	71	11.54%	6.77%	12.17%
Age 60-64	49	7.97%	6.45%	6.82%
Age 65 and Above	36	5.85%	18.19%	5.49%
Unknown Age	0	0.00%	N/A	0.21%
Total	615			
 <u>Persons with an Unmet Need By Race/Ethnicity</u>				
White Non-Hispanic	343	55.77%	57.75%	58.21%
Black Non-Hispanic	48	7.80%	1.85%	5.77%
Hispanic	144	23.41%	25.52%	22.04%
Asian/Pacific Islander Non-Hispanic	7	1.14%	1.22%	0.70%
American Indian/Alaska Native Non-Hispanic	63	10.24%	13.65%	9.39%
Multi-Race/Other Race/Unknown	10	1.63%	N/A	1.04%
Total	615			
 <u>Persons with an Unmet Need By Reported Risk</u>				
MSM	278	45.20%	N/A	52.78%
IDU	90	14.63%	N/A	11.34%
MSM/IDU	62	10.08%	N/A	9.67%
Heterosexual	95	15.45%	N/A	11.20%
Blood Exposure/Other	5	0.81%	N/A	0.49%
Maternal Vertical Transmission	4	0.65%	N/A	0.97%
No Reported Risk/ Unknown Risk	81	13.17%	N/A	8.07%
Total	615			
Any MSM	340	55.28%	N/A	62.45%
Any IDU	152	24.72%	N/A	21.01%

HIV UNMET NEED ESTIMATE: 2010 CALENDAR YEAR DATA

(completed 8/2011)

RURAL COUNTIES (NOT MARICOPA, PIMA OR PINAL):

	<u>IN</u> <u>CARE</u>	Column %	Row %	<u>UNMET</u> <u>NEED</u>	Column %	Row %	<u>TOTAL</u>	Column %	Row %
<u>HIV</u>	247	38.2%	43.7%	318	51.7%	56.3%	565	44.8%	100.0%
<u>AIDS</u>	399	61.8%	57.3%	297	48.3%	42.7%	696	55.2%	100.0%
<u>Unknown</u>	0	0.0%	0.0%	0	0.0%	0.0%	0	0.0%	0.0%
<u>Total</u>	646	100.0%	51.2%	615	100.0%	48.8%	1261	100.0%	100.0%