

2012 Profile of HIV in Out-State Michigan

Service Utilization of HIV-Positive Persons in Care

Data from Uniform Reporting System (URS) & enhanced HIV/AIDS Reporting System (eHARS)

Table 1: Characteristics of Ryan White clients who received services in 2011 compared to all HIV infection cases living in Out-State Michigan, January 2012

Characteristic	RY clients	Cases
White	48%	56%
Black	35%	34%
Hispanic	8%	7%
Other	8%	3%
Unknown*	1%	N/A
Male	76%	79%
White male	40%	48%
Black male	24%	23%
Hispanic male	6%	6%
Other male	6%	2%
Unknown male	1%	N/A
Female	24%	21%
White female	7%	8%
Black female	11%	11%
Hispanic female	1%	2%
Other female	2%	1%
Unknown female	<1%	N/A
0-12 years [†]	<1%	1%
13-19 years [†]	1%	1%
20-24 years [†]	6%	4%
25-44 years [†]	47%	39%
45+ years [†]	46%	56%
Infants: 0-1 years [†]	<1%	0%
Children: 2-12 years [†]	<1%	1%
Youth: 13-24 years [†]	5%	5%
Women 25+ years [†]	18%	20%
Total	100% (N = 3,194)	100% (N = 5,389)

*"Unknown" included in "Other" category for surveillance.

†"Years" within this table refers to current age, not age at diagnosis.

Overview:

The Uniform Reporting System (URS) is a statewide client-level data standard designed to uniformly document the quantity and types of services provided by agencies receiving Ryan White funds and to describe the populations receiving the services. A wide range of clinical and supportive services are reported in the URS, including outpatient medical care, dental care, mental health services, case management, and medication assistance through the AIDS Drug Assistance Program (ADAP). URS data may include HIV services that are not directly funded by Ryan White as long as the reported service is eligible to be funded. However, most services reported in the URS are at least partially funded by Ryan White resources.

There are several client-level data systems in Michigan that collect URS data. Demographic and service data from all these systems were extracted into a standard format, and these data were then combined and unduplicated to produce a URS dataset for analysis. The Out-State Michigan dataset is a subset of the unduplicated statewide dataset from all Ryan White funded programs, including ADAP. Clients are included in this dataset if they reside in any of the counties outside of the Detroit Metropolitan Area (DMA) and received at least one service from a Ryan White funded provider between January 1, 2011 and December 31, 2011.

Comparing services to cases:

Table 1 compares the demographic distribution of the 3,194 HIV-positive residents of Out-State Michigan who were served by Ryan White-funded programs in 2011 to that of the 5,389 persons known to be living with HIV in the same area at the end of 2011. The comparison shows that persons receiving Ryan White services were similar to the reported population, but they were less likely to be white and more likely to be of "other" race/ethnicity than the prevalent cases. They were also more likely to be between 25 and 44 years old and less likely to be 45 years and older.

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Core services:

Table 2 gives additional details about core services delivered to HIV-positive Out-State Michigan residents by Ryan White programs in 2011, which include outpatient medical care, oral health care, mental health care, medical case management, and medication assistance. The service counts in the table are visits, not units of time. Only one “visit” per day is counted for any service category in this URS summary data.

Outpatient medical care services in this table are for outpatient ambulatory medical care visits, which range from a complete physical with a physician to a brief or repeat visit with a physician or nurse practitioner. They include adherence counseling with a medical practitioner. The annual average of 5.7 visits per client, with a median of four, is consistent with HIV care standards that recommend monitoring of health status every three to four months. The total number of Ryan White clients who lived in Out-State Michigan and received outpatient medical care in 2011 was 54 percent (table 2). These clients received services within the Ryan White CAREWare Network.

Table 2: Core services received by Ryan White clients in Out-State Michigan, 2011 (N=3,194)

	Outpatient medical care	Oral health care	Mental health care	Medical case management	ADAP (medication assistance)
No. of unduplicated clients served*	1,724	265	387	1,572	1,373
Percent receiving service	54%	8%	12%	49%	43%
Total days of service [†]	9,788	1,276	1,467	22,265	38,252
Average no. of visits per client	5.7	3.1	3.5	13.5	35.6
Median no. of visits per client	4	3	2	9	29
Range of visits per client	1-47	1-13	1-26	1-109	231

*Clients are unduplicated for a particular service across all providers but may be counted in more than one service category.

[†]The Drug Assistance service unit is a prescription filled rather than a visit or day of service.

Dental care services reported in the URS are primarily provided through the statewide Michigan Dental Program, administered by the Division of Health, Wellness and Disease Control of MDCH. Dental services for clients may be extensive and require multiple visits or may simply be for biannual or more frequent prophylaxis. The annual average of 3.1 visits per client is consistent with an initial exam to plan the care needed and one or more treatment visits following approval of the care plan. Oral health care was provided to eight percent of Out-State clients in 2011 (table 2).

Mental health services encompass mental health assessments, individual counseling, and group sessions for HIV-positive clients with a mental health diagnosis and must be conducted by a licensed mental health professional. Mental health services do not include substance abuse treatment. In 2011, 12 percent of Out-State clients received mental health services at an average of 3.5 visits per year (table 2).

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Medical case management visits include intake, assessments, care planning, medication adherence counseling, and monitoring of medical status and may be conducted in person, by phone, or by mail. The goal is to link HIV-positive clients to health care services and assist them with remaining in care. In 2011, 49 percent of Out-State clients received medical case management services at an average of 13.5 visits each (table 2).

The AIDS Drug Assistance Program (ADAP), administered by the Division of Health, Wellness and Disease Control of MDCH, pays for medications dispensed to eligible HIV-positive clients throughout Michigan. ADAP covers all HIV medications and many other medications, in addition to CD4 and viral load tests. The unit of service reported in table 2 for ADAP is each prescription filled rather than a day of service. In 2011, 43 percent of Out-State clients received ADAP services at an average of 35.6 prescriptions filled per year (table 2).