

## Treatment Need Estimate for Alcohol and Drug Addiction - 2003

The 2003 New Jersey Household Survey on Drug Use and Health and treatment admissions data from the New Jersey Substance Abuse Monitoring System were used to estimate treatment need for alcohol and other drugs. Need for treatment was assessed by estimating need for alcohol treatment separately from need for drug treatment.

The 2003 New Jersey Household Survey on Drug Use and Health was used to estimate need for alcohol treatment. Due to the small number of people who were identified as either abusing or dependent upon illicit drugs in the household survey, NJ-ADADS and NJ-SAMS<sup>1</sup> data was used to estimate need for illicit drug treatment. Need for illicit drug treatment was estimated by applying a widely known statistical scheme known as the two-sample capture-recapture method. Each client was identified by a client ID, episode code, event code, primary drug, and level of care. This identifier classifies the individual as abuser and drug dependent. Alcohol-only treatment admissions were excluded from the calculation to avoid double counting.

The resulting estimates for each county from the two independent sources were then summed to produce the corresponding combined substance abuse need estimate. The number of people who need substance abuse treatment is defined as the sum of:

- The number of people who meet the DSM-IV abuse or dependence criteria for past year for alcohol only; and,
- The number of people needing drug abuse treatment estimated by using the capture-recapture methodology.

Estimates were made to ensure that each person with multiple illicit drug abuse/dependence problems was counted only once. Results of the analysis are shown in Table 1.

It is likely that the reported need for treatment is still understated, because of the illicit nature of most abused substances. Moreover, data on hard-to-reach populations, such as the homeless and school dropouts, are not available for a more complete estimate under our current approach.

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<sup>1</sup> ADADS (Alcohol and Drug Abuse Data System) was the surveillance system maintained by the New Jersey Division of Addiction Services (before 2003) to monitor treatment activities for substance abuse and dependence in the State. It was replaced by NJ-SAMS (Substance Abuse Monitoring System), a web-based data reporting system for substance abuse treatment providers in New Jersey.

**Estimate of Treatment Needs for Alcohol and Drug Addictions  
New Jersey, 2003**

New Jersey Counties	Adult Population (age 18 +) 2003 <sup>1</sup>	Treatment Needs in 2003			Needs as Percent of County Population
		Alcohol Treatment <sup>2</sup>	Drug Treatment <sup>3</sup>	Total Treatment Need	
Atlantic	188,758	17,177	12,509	29,686	15.7
Bergen	681,391	78,360	12,981	91,341	13.4
Burlington	323,046	33,597	12,081	45,678	14.1
Camden	368,748	33,925	18,806	52,731	14.3
Cape May	77,494	6,974	5,261	12,235	15.8
Cumberland	105,524	8,125	6,057	14,182	13.4
Essex	564,734	38,402	35,032	73,434	13.0
Gloucester	195,385	16,217	8,053	24,270	12.4
Hudson	458,361	32,085	17,226	49,311	10.8
Hunterdon	92,652	10,006	2,266	12,272	13.2
Mercer	254,788	28,281	10,410	38,691	15.2
Middlesex	575,145	43,136	15,949	59,085	10.3
Monmouth	462,412	40,692	17,050	57,742	12.5
Morris	354,665	46,816	5,743	52,559	14.8
Ocean	414,462	45,176	11,117	56,293	13.6
Passaic	354,268	19,130	14,013	33,143	9.4
Salem	48,498	4,801	2,516	7,317	15.1
Somerset	227,100	24,300	4,681	28,981	12.8
Sussex	108,061	12,211	3,594	15,805	14.6
Union	387,589	26,356	15,374	41,730	10.8
Warren	78,579	6,522	3,588	10,110	12.9
<b>Total</b>	<b>6,321,660</b>	<b>572,291</b>	<b>234,307</b>	<b>806,598</b>	<b>12.8</b>

<sup>1</sup> Source: U.S. Census Bureau. American Community Survey: General demographic characteristics 2003. Release date April 28,2009

<sup>2</sup> Alcohol treatment needs derived from The 2003 New Jersey Household Survey on Drug Use and Health alcohol abuse and dependence in past year is used to measure need (See 2003 Household Survey, Page 72)

<sup>3</sup> Needs estimate for Drug treatment are made by applying a two-sample Capture-recapture estimation model on the 2002 and 2004 ADADS and NJSAMS Data.