

U.S. Department of Health and Human Services Assistant Secretary for Planning and Evaluation Office of Disability, Aging and Long-Term Care Policy

# EXAMINING SUBSTANCE USE DISORDER TREATMENT DEMAND AND PROVIDER CAPACITY IN A CHANGING HEALTH CARE SYSTEM:

FINAL REPORT

December 2017

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This report was prepared under contract #HHSP23320100019WI between HHS's ASPE/DALTCP and Mathematica Policy Research. For additional information about this subject, you can visit the DALTCP home page at https://aspe.hhs.gov/office-disability-aging-and-long-term-care-policy-daltcp or contact the ASPE Project Officer, Judith Dey, at HHS/ASPE/DALTCP, Room 424E, H.H. Humphrey Building, 200 Independence Avenue, S.W., Washington, D.C. 20201. Her e-mail address is: Judith.Dey@hhs.gov.

### EXAMINING SUBSTANCE USE DISORDER TREATMENT DEMAND AND PROVIDER CAPACITY IN A CHANGING HEALTH CARE SYSTEM: Final Report

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### ACRONYMS

The following acronyms are mentioned in this report and/or appendices.

| ACA           | Affordable Care Act  |
|---------------|--|
| BLS           | Bureau of Labor Statistics   |
| CL            | Confidence Limit   |
| CMS           | HHS Centers for Medicare and Medicaid Services   |
| DSM-IV-TR     | Diagnostic and Statistical Manual of Mental Disorders, 4 <sup>th</sup><br>Edition, Text Revision |
| FP            | For-Profit   |
| FTE           | Full-Time Equivalent   |
| HHS           | U.S. Department of Health and Human Services   |
| HIV           | Human Immunodeficiency Virus   |
| IAP           | Innovation Accelerator Program   |
| IC&RC         | International Certification and Reciprocity Consortium   |
| MH            | Mental Health  |
| MHPAEA        | Mental Health Parity and Addiction Equity Act  |
| N-SSATS       | National Survey of Substance Abuse Treatment Services  |
| NA            | Not Available  |
| NAADAC        | National Association for Alcoholism and Drug Abuse Counselors                                    |
| NP            | Non-Profit   |
| NSDUH         | National Survey on Drug Use and Health   |
| OES           | Occupation Employment Survey   |
| OTP           | Opioid Treatment Program   |
| SAMHSA<br>SUD | HHS Substance Abuse and Mental Health Services<br>Administration<br>Substance Use Disorder       |
| TEDS          | Treatment Episode Data Set   |

### **EXECUTIVE SUMMARY**

Despite federal policies enacted within the last decade aimed at promoting insurance coverage for substance use disorders (SUDs), the existing SUD treatment workforce may be insufficient to accommodate the potential increase in demand for care and other factors may be contributing to stagnant treatment utilization rates. To address this concern, in September 2014, the U.S. Department of Health and Human Services (HHS) Office of the Assistant Secretary for Planning and Evaluation contracted with Mathematica Policy Research to conduct this project to assess current demand for SUD treatment and the state of provider capacity in the SUD treatment field. The key study findings on the demand for and supply of SUD treatment are summarized below.

#### **Demand for SUD Treatment**

### Uninsured rate among individuals with SUD declined following ACA implementation.

The uninsured rate among individuals 12-64 with an SUD declined to 20 percent in 2014 from an average rate of 25 percent between 2009 and 2013. Most of this decline resulted from an increase in the rate of Medicaid enrollment, from 13 percent between 2009 and 2013 to 18 percent in 2014. This change added about 1 million individuals with SUDs to the Medicaid program.

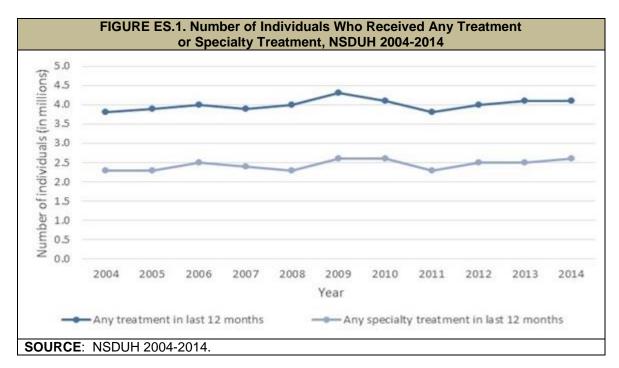
### Nevertheless, the rate of SUD treatment receipt did not increase substantially in the initial years following implementation of the ACA.

Despite the increase in insurance coverage among individuals with SUDs, evidence from multiple data sources indicates there has been no or only a small increase in treatment service use since the beginning of 2014.

**Overall treatment use has remained constant, according to the National Survey on Drug Use and Health (NSDUH).** According to aggregate estimates from the NSDUH, the number of individuals receiving any SUD treatment in the past year remained constant between 2004 and 2014, at about 4 million individuals (Figure ES.1). About 60 percent of these individuals (2.2-2.6 million individuals per year) received treatment in a specialty setting, which the HHS Substance Abuse and Mental Health Services Administration (SAMHSA) defined as any of the following types of facilities: hospitals (inpatient only), drug or alcohol rehabilitation facilities (inpatient or outpatient), or mental health centers.<sup>1</sup> Because of methodological changes in the NSDUH survey

<sup>&</sup>lt;sup>1</sup> SAMHSA did not count positive responses to NSDUH questions regarding treatment at an emergency room, private doctor's office, self-help group, prison or jail, or hospital as an outpatient as specialty treatment.

implemented in 2015, the survey's estimate of 3.7 million and 2.3 million individuals receiving any and specialty treatment, respectively, in 2015 are not comparable to estimates from earlier years. According to NSDUH, between 2015 and 2016 there was again no significant change in the number of individuals receiving any and specialty treatment in the past year.



National Survey of Substance Abuse Treatment Services (N-SSATS) counts of clients in treatment indicate a small increase in the number of clients in care. In contrast to the NSDUH, which measures whether a person had any treatment in the past year based on person-level responses, N-SSATS measures counts of clients in care at a point-in-time as reported by specialty SUD treatment facilities.<sup>2</sup>

N-SSATS client counts indicate a small increase in the number of clients in care between 2013 and 2015 (4.5 percent over two years), or about 56,000 individuals. About 40 percent of the growth was related to increases in inpatient hospital (which had a change of 65.6 percent) and residential care (which had a change of 11.3 percent) (Table ES.1). The increases in hospital use align with sharp increases in opioid overdoses (Rudd et al. 2016) and opioid-related admissions to intensive care units<sup>3</sup>

<sup>&</sup>lt;sup>2</sup> For the NSDUH SAMHSA defines specialty treatment based on the setting of care as described above. The N-SSATS universe is limited to specialty treatment facilities. These facilities have units or programs focused on provision of SUD treatment. Thus, facilities may not be defined as "specialty" in both surveys. For example, a general hospital or mental health center would not be included in the N-SSATS universe unless they have a treatment program or unit designated for SUD treatment. These settings are, however, consider specialty treatment for NSDUH.

<sup>&</sup>lt;sup>3</sup> Stevens et al. (2017) found a 34 percent increase in opioid overdose-related admissions to hospital intensive care units between January 2009 and September 2015 in a study of 162 hospitals in 44 states.

observed in this period. Because NSDUH excludes institutionalized individuals from its sample, N-SSATS is a more accurate source of trends in institutional service use.

The lack of change in the population with service use in the past year based on NSDUH suggests that the increase in point-in-time outpatient clients observed in N-SSATS stems from a longer duration of care. Overall, the estimated increase in SUD treatment use was minimal relative to the increases in insurance coverage and the level of unmet treatment needs.

| TABLE ES.1. Number of Clients by Setting of Care, N-SSATS 2013 and 2015 |           |           |          |  |  |  |  |
|---|-----------|-----------|----------|--|--|--|--|
| Type of Care<br>Within Setting  | 2013      | 2015      | % Change |  |  |  |  |
| Total   | 1,249,629 | 1,305,647 | 4.5%     |  |  |  |  |
| Outpatient  | 1,127,235 | 1,161,456 | 3.0%     |  |  |  |  |
| Residential (non-hospital)  | 107,727   | 119,900   | 11.3%    |  |  |  |  |
| Hospital inpatient  | 14,667    | 24,291    | 65.6%    |  |  |  |  |

SOURCE: N-SSATS 2013 and 2015.

**NOTE**: N-SSATS surveys the universe of specialty SUD treatment facilities. In 2013 and 2015, respectively, the survey had a 94% and 92% response rate. Estimates are not adjusted for facility or item non-response. For inpatient and residential services counts indicate the number of clients in treatment on the last working day in March of each survey year. For outpatient services counts indicate the number of clients receiving services during March who are still enrolled in treatment on the last working day in March.

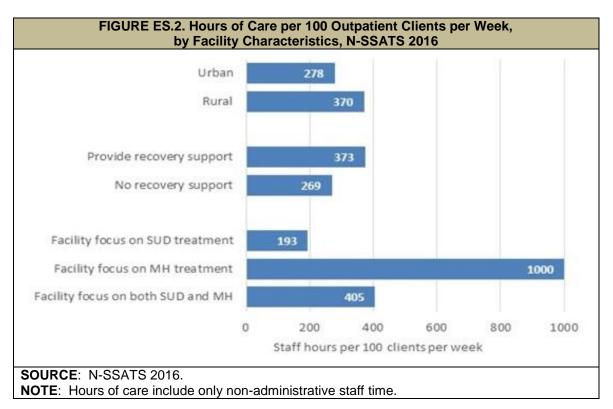
# Lack of perceived need for treatment presents challenges in providing treatment services to those with SUDs.

Increasing treatment use for individuals with SUDs has the potential to substantially improve their welfare and that of their families as well as reduce societal and economic losses associated with SUDs, such as criminal justice costs, productivity loss, and mortality and morbidity due to accidents. The increased insurance coverage provided through recent federal policy initiatives resulted in, at most, small increases in treatment use. An important reason insurance coverage did not result in a significant expansion in treatment use is that, according to the 2015 NSDUH (Lipari et al. 2016), 95.4 percent of individuals who met criteria for an SUD but who did not receive specialty treatment (19.3 million people) did not feel they needed treatment. Among the remaining small percentage (4.6 percent, or 880,000 people) who felt they needed treatment but did not get it, 64.4 percent (about 567,000 people) reported making no effort to get treatment. Thus, expanding treatment use will require a multifaceted approach including changing attitudes about alcohol misuse and illicit drug use, increasing public awareness of treatment effectiveness, reducing stigma associated with SUD treatment, addressing financial barriers, and increasing primary care physicians' role in screening, treatment and referral.

#### Supply of SUD Treatment

# The SUD treatment workforce comprises counselors, medical professionals, and support staff.

The 2016 N-SSATS survey found 197,559 full-time equivalent (FTE)<sup>4</sup> paid staff and 6,726 unpaid staff in specialty SUD treatment facilities in 2016.<sup>5</sup> About two-fifths of the FTE paid staff were counseling staff (that is, no-degree or degreed counselors); the other three-fifths were about evenly divided between medical staff (that is, physicians, nurses, pharmacists, and mid-level professionals), other support staff (that is, peer support staff, care managers, care navigators, other recovery support staff, other clinical staff and interns, pharmacy assistants, contractors/per diem staff, and intake coordinators), and administrative staff. A substantial majority of counseling staff FTEs (57 percent) had a graduate degree, but most counseling staff members with a graduate education were not certified in addiction treatment (60 percent).



#### Outpatient treatment intensity varies based on facility characteristics.

On average, non-administrative staff provided 292 hours of care per 100 clients in outpatient treatment per week. The intensity of treatment varied substantially based on facility characteristics and services offered (Figure ES.2). Statutes and regulations for

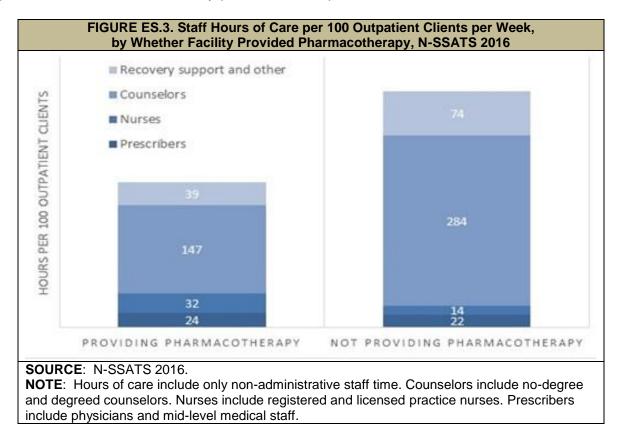
<sup>&</sup>lt;sup>4</sup> We define an FTE as 40 working hours per week.

<sup>&</sup>lt;sup>5</sup> N-SSATS surveys the universe of specialty SUD treatment facilities. In 2016 the survey had a 91 percent response rate. Estimates are not adjusted for facility or item non-response.

SUD treatment facilities vary by state and commonly allow facilities substantial flexibility in the professional credentials and intensity of services provided by staff (National Association of State Alcohol and Drug Abuse Directors 2013). There is little research on how staffing affects care quality.

# The availability of evidence-based pharmacotherapy has increased, but challenges to further expansion remain.

Pharmacotherapy has been demonstrated to be clinically effective and cost effective for alcohol and opioid disorders (Baser et al. 2011; Mann et al. 2015). Although strong evidence suggests that the use of pharmacotherapy in managing SUDs provides substantial cost savings, the approach has not been widely adopted. The proportion of facilities offering pharmacotherapy has expanded in recent years, but still only 43 percent of facilities offered any pharmacotherapies in 2016.



Many of the barriers to expansion of pharmacotherapy are related to the workforce. The number of medical staff qualified to provide pharmacotherapy services and the staff supporting them needs to increase for provision of pharmacotherapy to expand. Training primary care providers to provide pharmacotherapy in primary care or other integrated care settings such as HIV or mental health treatment settings can improve treatment access and abstinence at six months (NIDA 2017; Korthuis et al. 2017). Primary care providers can act independently or work collaboratively with SUD treatment specialist in these models. In addition to increasing the number of qualified providers, workforce attitudes preferring behavioral therapies may need to change to attain more widespread adoption. Consistent credentialing and licensure requirements across states and insurers for professionals providing pharmacotherapy services are also needed. The HHS Opioid Strategy announced in April 2017 aims to continue the department's efforts to improve access to "treatment, and recovery services, including the full range of medication-assisted treatments" (HHS 2017); also, despite the barriers, the ACA has resulted in expansions in the number of physicians waivered to prescribe buprenorphine (Knudsen et al. 2015).

There were substantial differences in staffing patterns for outpatient treatment based on whether facilities offered pharmacotherapy (Figure ES.3). Facilities that did not offer pharmacotherapy provided nearly twice as many counselor and recovery support staff hours and about half as many nursing staff hours per 100 outpatient clients. Facilities provided a similar number of prescriber hours (including physician and mid-level medical staff) regardless of whether they provided pharmacotherapy.

# Residential and inpatient hospital capacity for SUD treatment is insufficient in many states.

Despite increases in designated beds for residential and inpatient hospital SUD treatment between 2013 and 2015, utilization rates rose in these care settings. Nationally, the utilization rate for residential beds increased from 97 percent to 106 percent; that for inpatient hospital beds increased from 97 percent to 109 percent.<sup>6</sup> In 18 states, residential bed utilization rates across all facilities were over 100 percent in 2015; the same number of states had inpatient bed utilization rates of over 100 percent.

# Treatment provision at publicly operated facilities declined while care at privately operated facilities increased.

Between 2013 and 2015 clients served in public facilities declined substantially for outpatient care (13.7 percent) and somewhat for residential care (4.3 percent). Meanwhile clients served in private for-profit and private non-profit facilities expanded in these settings. This shift may be related to increased rates of insurance coverage. Inpatient clients increased substantially for facilities of all operation types.

# The number of clients served in rural areas declined substantially although the population in rural areas was constant.

The number of clients receiving treatment in rural areas declined substantially (31.8 percent) and increased in urban areas (15.6 percent) between 2013 and 2015, the latest period of data available. Meanwhile, the population living in rural areas was fairly constant in this period while the population living in urban areas increased modestly (U.S. Department of Agriculture 2016). Given the treatment access barriers for

<sup>&</sup>lt;sup>6</sup> Utilization rate is calculated by dividing the number of clients in care by the total number of designated beds. The utilization rate will exceed 100 percent when clients are placed in beds not specifically designated for substance use treatment.

individuals living in rural areas that pre-date this period, the substantial declines in treatment use in rural areas warrant further investigation.

### Low wages for SUD treatment providers present challenges in expanding the workforce.

Although most SUD counselors and social workers providing SUD treatment hold post-graduate degrees, analyses of data from the Bureau of Labor Statistics show that average hourly wages for SUD treatment professionals are substantially below the average wage across all occupations and the difference between the average wage for all occupations and that for counselors has widened over the last decade, from \$1.56 per hour in 2006 to \$2.63 per hour in 2016. Looking at two health care professions requiring similar or fewer years of education mean hourly wages for SUD counselors were \$5 and \$13 lower, respectively, than those for marriage and family therapists and registered nurses.

Currently, high turnover and difficulty in hiring qualified SUD treatment staff are attributed by facility administrators to low compensation (Hyde 2013; Ryan et al. 2012; Bukach et al. 2017). Efforts to increase the supply of individuals seeking work in the SUD treatment field by increasing training program output without an associated increase in reimbursement for services or increases in funding sources are likely to result in reduced wage levels and lower retention as individuals in the SUD treatment field recognize the potential to increase their earnings by shifting to other professions.

#### Discussion

Policymakers at all levels of government have targeted increasing SUD treatment to address escalating drug overdose deaths related to the opioid epidemic and improve societal welfare. Meanwhile, rates of SUD treatment use generally have been constant for more than a decade despite the substantial recent increase in insurance coverage for SUD treatment. Individuals with SUD treatment needs overwhelmingly indicate that they do not feel a need for treatment and, even among the small minority who believe that they might benefit from treatment, most make no effort to obtain it. Increasing treatment penetration will require a multifaceted approach to identify and refer individuals in need to treatment, reduce treatment access barriers, and reduce stigma and change attitudes about SUDs and treatment efficacy.

Overall, the role of Medicaid in funding SUD treatment services has expanded since the beginning of 2014. There is concern that low reimbursement rates and restrictive treatment coverage under Medicaid may be a barrier to expanding treatment in some states (Dickson 2015). State Medicaid programs have the potential to play an important role in transforming the SUD treatment system and the HHS Centers for Medicare and Medicaid Services (CMS) is taking an active role encouraging states to make reforms. CMS is conducting an Innovation Accelerator Program (IAP) to support state efforts to improve care quality and continuity, enhance performance monitoring capacity, identify beneficiaries in need of treatment, develop a continuum of care that addresses the variety treatment needs and the chronic nature of SUDs, and target reimbursement models to incentivize better outcomes (CMS 2017). In addition, CMS has been working with states to improve access to and quality of SUD treatment through Medicaid Section 1115 demonstrations (CMS 2017b).

The impact of a number of recent federal efforts to increase SUD treatment use and the quality of SUD treatment services is not fully captured in the data available for this study. The initiatives include the CMS IAP as well as several SAMHSA grant programs intended to expand access to SUD treatment (McCance-Katz et al. 2017). There are also a number of federally-funded efforts to expand access to SUD screening and treatment in primary care settings and rural areas. Future years of data should be monitored to assess the impact of these initiatives.

### I. INTRODUCTION

#### A. Purpose of Report

Despite federal policies enacted within the last decade aimed at promoting insurance coverage for substance use disorders (SUDs), the exiting SUD treatment workforce may be insufficient to accommodate the potential increase in demand for care and other factors may be contributing to stagnant treatment utilization rates. The Affordable Care Act (ACA) specifically required subsidized marketplace insurance plans, individual and small group market plans, and Medicaid expansion programs to cover SUD treatment as an essential health benefit. Two years before passage of the ACA, the 2008 Mental Health Parity and Addiction Equity Act (MHPAEA) began requiring private insurance plans that included behavioral health benefits and were offered through large group insurers to cover those services on a par with medical/surgical care (Humphreys and Frank 2014; Beronio et al. 2014).

Providing insurance coverage for SUD treatment is intended to reduce financial barriers to treatment use and thereby increase the proportion of individuals with SUD treatment needs who seek and receive evidence-based care. However, the existing SUD treatment workforce may be insufficient to accommodate an increase in demand for care and other factors may be limiting treatment utilization. To address this concern, in September 2014, the U.S. Department of Health and Human Services (HHS) Office of the Assistant Secretary for Planning and Evaluation contracted with Mathematica Policy Research to assess: (1) the current demand for SUD treatment; (2) how demand will change as more people obtain insurance coverage for this treatment; (3) the current state of capacity in the SUD treatment field; and (4) the degree to which treatment providers are prepared for integration into the broader health care system.

A previous report from this study (Bouchery et al. 2015) reviewed and analyzed the available literature and data on SUD prevalence, treatment, and workforce capacity, and incorporated information obtained through expert interviews. In the current report, we supplement the findings from the previous report with analyses of newly collected survey data on the size and characteristics of the workforce. We also reassess supply and demand trends described in the previous report, incorporating newly available data for the period following the insurance expansions that began in 2014. The following research questions guided our analyses:

#### 1. Demand-Related Questions

- How many people are receiving SUD treatment services, and what services are they receiving?
- How does service receipt vary geographically?

- What is the relationship between prevalence of SUDs and demand for care? How does this relationship vary geographically?
- What evidence exists about how increases in Medicaid enrollment have impacted demand?

#### 2. Supply-Related Questions

- What are the professions and SUD treatment credentials of the current workforce?
- What is the current capacity of service providers to supply SUD treatment services? How does provider capacity differ across geographic areas? What disparities in care access are evident (for example, by region or subpopulation)? How does provider capacity differ in relation to various services, such as inpatient, residential, intensive outpatient, outpatient, and pharmacotherapy?
- What is the current capacity of SUD treatment organizations to participate in efforts to integrate SUD treatment within the broader health care system? To what degree are SUD treatment providers used to billing Medicaid?
- How have wages for SUD treatment staff changed over the last decade?

#### **B. Report Methods**

We conducted the study in two phases:

- In Phase 1, from October 2014 through December 2015, we: (1) assessed available data sources to answer the research questions and analyzed relevant data from these sources; (2) reviewed and summarized findings from the existing professional literature that addressed the questions; (3) interviewed selected experts; and (4) developed supplemental questions regarding the workforce to be fielded with an existing survey of SUD treatment facilities in 2016.
- In Phase 2, from September 2015 through November 2017: (1) the HHS Substance Abuse and Mental Health Services Administration (SAMHSA) fielded the SUD workforce survey questions we developed, and we analyzed the results; and (2) we updated the analyses we conducted in the first phase to include newly released data so as to identify more recent trends.

Below, we briefly summarize the methods we used in conducting the study.

#### 1. Review and Analysis of Existing Data Sources

We reviewed pre-existing sources of data regarding SUD treatment supply and demand, and identified the strengths and limitations of each. Based on this analysis, we determined which data sources were most relevant for describing the current state of and relevant trends in the supply of and demand for SUD treatment services. We obtained these data, analyzed them, and presented the results in our previous report. For the current report, we extended the analyses of selected trends for which more recent data have since become available. Appendix A provides a brief overview of the data sources analyzed in this study.

#### 2. Literature Review

Using a defined set of key words, we searched the Cumulative Index to Nursing and Allied Health Literature, PsycINFO, Scopus, and PubMed databases for literature published from 2005 through November 2014 on the following topic areas:

- Current demand for SUD treatment services.
- Trends and policies impacting demand over the next decade.
- Previous efforts to estimate the size and composition of the SUD workforce.
- Recruiting and developing the workforce.

We also used Google to search for important studies in the gray literature. We reviewed the publication information and abstracts retrieved for relevance to our study and strength of the methodology used. We then obtained the studies most likely to provide evidence related to the four topic areas of interest and extracted relevant information from each.

#### 3. Expert Interviews

In May and June of 2015, we interviewed three SUD workforce experts. First, we interviewed the executive director of the International Certification and Reciprocity Consortium (IC&RC), which develops standards and examinations that its local boards across the country use for credentialing and licensing. The director responded to our interview questions orally and provided written responses to the questions in our interview guide from local board staff in Louisiana, Minnesota, North Carolina, and Ohio. Next, we interviewed the executive director of the National Association for Alcoholism and Drug Abuse Counselors (NAADAC), an association for professionals in the SUD treatment workforce that also develops examinations for certifications. We conducted the third interview with the senior vice president of public policy and practice improvement for the National Council for Behavioral Health, an association of behavioral health provider organizations.

The interviews with the IC&RC and NAADAC representatives addressed trends in addiction provider certification and training programs; state requirements for licensing and certification; and recent changes in the workforce, including those associated with the ACA and MHPAEA. The interview with the National Council for Behavioral Health representative addressed the following topics:

- Providers' experiences related to implementation of the ACA and MHPAEA.
- How providers have adapted to the availability of expanded Medicaid and private insurance coverage for SUD treatment.
- Barriers providers have identified related to supporting patient treatment through insurance coverage.
- The most pressing concerns for providers related to training programs for SUD treatment professionals, recruitment and hiring of qualified staff, and retention of existing staff.
- Those state-level differences in licensing/credentialing policies or professional certification requirements that have an important impact on the availability of SUD treatment programs or program staffing patterns.

The experts did not have data available to support responses to most questions and thus could provide only anecdotal information. They also were not able to address all topics identified. IC&RC and NAADAC representatives indicated that state board representatives might have information to address particular questions, but this information typically is not passed on to the national organization.

#### 4. National Survey of Substance Abuse Treatment Services (N-SSATS) 2016 Supplemental Workforce Questions

Because no data had been collected on the size and composition of the SUD workforce since the late 1990s, we developed supplemental questions about them that were added to the 2016 N-SSATS, which surveys all specialty SUD treatment facilities in the United States and its territories. The supplemental questions asked facilities to identify, by profession, the total number of staff, staff hours worked in a week, and the number of paid and non-paid staff certified in addiction treatment.<sup>7</sup>

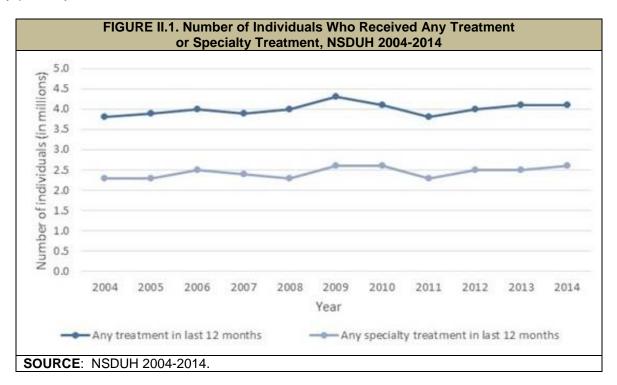
<sup>&</sup>lt;sup>7</sup> The survey instrument is available at <u>https://wwwdasis.samhsa.gov/dasis2/nssats/nssats\_2016\_q.pdf</u>.

### II. DEMAND FOR SUBSTANCE USE DISORDER TREATMENT

In this section, we examine recent trends in receipt of SUD treatment services by service type and geography. Then we analyze the relationship between the prevalence of SUDs and use of treatment services by type of SUD and geographic area. Last, we look specifically at the relationship between Medicaid coverage expansion and receipt of SUD treatment.

# A. How Many People are Receiving SUD Treatment Services and What Services are They Receiving?

Here we analyze information on the number of people receiving SUD treatment services and the type of services they receive as derived from multiple data sources. Based on the National Survey on Drug Use and Health (NSDUH), we begin by looking at whether individuals used any services in the past year and the type of services they used. Then we analyze the number of clients in care at a given point-in-time by service type, based on the N-SSATS. Finally, we assess trends in the distribution of admissions by primary substance.



#### 1. Trends in Receipt of Any or Specialty SUD Treatment in Past Year

We use data from the NSDUH to analyze trends in SUD treatment use in the community-based population in the United States. According to the NSDUH, the number of individuals receiving any SUD treatment in the past year was relatively constant between 2004 and 2014, at about 4 million individuals (Figure II.1).

| TABLE II.1. Number of Individuals Who Received Any Treatment<br>or Specialty Treatment, NSDUH 2015-2016 |     |     |  |  |  |  |
|---|-----|-----|--|--|--|--|
| Type of Treatment 2015 2016   |     |     |  |  |  |  |
| Any treatment in past 12 months   | 3.7 | 3.8 |  |  |  |  |
| Specialty treatment in past 12 months   | 2.3 | 2.2 |  |  |  |  |
| SOURCE: NSDUH 2015 and 2016.  |     |     |  |  |  |  |

About 60 percent of the individuals who received any treatment (2.2-2.6 million individuals per year) received treatment in a specialty setting, defined by SAMHSA as any of the following types of facilities: hospitals (inpatient only), drug or alcohol rehabilitation facilities (inpatient or outpatient), or mental health centers.8

Because of changes in the methodology of the survey between 2014 and 2015 survey estimates from 2015 and later may not be comparable to earlier years. Thus, we present estimates for 2015 and later separately from those in the earlier period. In 2015 there were 3.7 million and 2.3 million individuals receiving any and specialty treatment according to the NSDUH (Table II.1). Between 2015 and 2016 there was no significant change in the number of individuals receiving any and specialty treatment in the past year.

| TABLE II.2. Number of Individuals Receiving Any Specialty SUD Treatment by the<br>Settings in Which They Received Care, NSDUH 2012-2014 |                       |       |       |            |      |      |  |  |
|---|-----------------------|-------|-------|------------|------|------|--|--|
| Type of Care  | Number (in thousands) |       |       | Percentage |      |      |  |  |
| Type of Care  | 2012                  | 2013  | 2014  | 2012       | 2013 | 2014 |  |  |
| Total   | 2,496                 | 2,466 | 2,606 | 100        | 100  | 100  |  |  |
| Specialty settings  |                       |       |       |            |      |      |  |  |
| Hospital inpatient  | 861                   | 879   | 921   | 34         | 36   | 35   |  |  |
| Rehabilitation facilityinpatient  | 1,010                 | 1,042 | 1,076 | 40         | 42   | 41   |  |  |
| Rehabilitation facilityoutpatient   | 1,505                 | 1,753 | 1,731 | 60         | 71   | 66   |  |  |
| Mental health centeroutpatient  | 1,000                 | 1,176 | 1,157 | 40         | 48   | 44   |  |  |
| Non-specialty setting   |                       |       |       |            |      |      |  |  |
| Emergency room  | 557                   | 574   | 499   | 22         | 23   | 19   |  |  |
| Private doctor's office   | 470                   | 522   | 561   | 19         | 21   | 22   |  |  |
| Self-help group   | 1,461                 | 1,505 | 1,554 | 59         | 61   | 60   |  |  |
| Prison or jail <sup>a</sup>   | 340                   | 189   | 280   | 14         | 8    | 11   |  |  |

SOURCE: NSDUH 2012-2014.

**NOTE**: The counts only include individuals who received care in a specialty setting during the year; however, the counts indicate the number of these individuals receiving care in non-specialty settings. Counts do not sum to the total and percentages do not sum to 100% because individuals may receive care in multiple settings.

a. NSDUH surveys individuals living in the community. Individuals living in an institutional setting are excluded. Therefore counts of individuals receiving treatment in a prison or jail only include individuals who have been released from those settings and are living in the community at the time of the survey.

<sup>&</sup>lt;sup>8</sup> SAMHSA did not include emergency room, private doctor's office, self-help group, prison or jail, or hospital as an outpatient in the definition of specialty settings.

The distribution of the number of people receiving treatment by treatment setting also remained relatively constant from 2012 to 2014 (Table II.2) and 2015 to 2016 (Table II.3). Outpatient rehabilitation and self-help groups were the most common settings of care. About one-third of individuals who received specialty treatment received some services in an inpatient hospital; about 20 percent received emergency room care.

| TABLE II.3. Number of Individuals Receiving Any Specialty SUD Treatment by the           Settings in Which They Received Care, NSDUH 2015-2016 |            |            |            |      |  |  |
|--|------------|------------|------------|------|--|--|
| Type of Care   | Number (in | thousands) | Percentage |      |  |  |
| Type of Care   | 2015       | 2016       | 2015       | 2016 |  |  |
| Total  | 2,346      | 2,229      | 100        | 100  |  |  |
| Specialty settings   |            |            | •          | •    |  |  |
| Hospital inpatient   | 702        | 732        | 30         | 33   |  |  |
| Rehabilitation facilityinpatient   | 974        | 918        | 42         | 41   |  |  |
| Rehabilitation facilityoutpatient  | 1,524      | 1,446      | 65         | 65   |  |  |
| Mental health centeroutpatient   | 1,093      | 1,054      | 47         | 47   |  |  |
| Non-specialty setting  |            |            |            |      |  |  |
| Emergency room   | 429        | 489        | 18         | 22   |  |  |
| Private doctor's office  | 445        | 540        | 19         | 24   |  |  |
| Self-help group  | 1,389      | 1,183      | 59         | 53   |  |  |
| Prison or jail <sup>a</sup>  | 221        | 202        | 9          | 9    |  |  |
| SOURCE NSDUH 2015-2016   |            |            |            |      |  |  |

**SOURCE**: NSDUH 2015-2016.

**NOTE**: The counts only include individuals who received care in a specialty setting during the year; however, the counts indicate the number of these individuals receiving care in non-specialty settings. Counts do not sum to the total and percentages do not sum to 100% because individuals may receive care in multiple settings. The 2015 and 2016 estimates are not comparable to estimates from prior years due to methodological changes in the survey.

a. NSDUH surveys individuals living in the community. Individuals living in an institutional setting are excluded. Therefore counts of individuals receiving treatment in a prison or jail only include individuals who have been released from those settings and are living in the community at the time of the survey.

#### 2. Trends in Point-in-Time Clients in Care, by Care Setting

In contrast to the consistency of NSDUH findings, analysis of N-SSATS indicates notable shifts between 2013 and 2015 in client counts and the distribution of clients by service type (Table II.4).<sup>9</sup> Overall, N-SSATS client counts indicate a small increase in clients in care between 2013 and 2015 (4.5 percent). This increase was driven by large increases in several service types: outpatient pharmacotherapy for opioid use disorders (14.8 percent), residential detoxification (34.2 percent) and short-term care (34.8 percent), and hospital inpatient detoxification (114.9 percent) and treatment (33.7 percent). There was little change in the number of clients in regular outpatient care.

The observed increases in clients receiving pharmacotherapy reflect national efforts to improve quality of care by increasing access to these evidence-based treatments. Pharmacotherapy use is associated with more consecutive weeks of

<sup>&</sup>lt;sup>9</sup> For the NSDUH SAMHSA defines specialty treatment based on the setting of care as listed above. The N-SSATS universe is limited to specialty treatment facilities. These facilities have units or programs focused on provision of SUD treatment. Thus, facilities may not be defined as "specialty" in both surveys. For example, a general hospital or mental health center would not be included in the N-SSATS universe unless they have a treatment program or unit designated for SUD treatment. These settings are, however, consider specialty treatment for NSDUH.

abstinence from illicit opioids (Fiellin et al. 2014) and reduced mortality due to overdose (Brugal et al. 2005; Clark et al. 2011; Cousins et al. 2016; Degenhardt et al. 2009; Pierce et al. 2016).

| - /-   | Number of Clients |           |          | -SSATS 2013 and 2015<br>Percentage of All Clients in Care |       |          |
|--|-------------------|-----------|----------|---|-------|----------|
| Type of Care   | 2013              | 2015      | % Change | 2013  | 2015  | % Change |
| Total  | 1,249,629         | 1,305,647 | 4.5%     | 100.0   | 100.0 | 0.0%     |
| Outpatient   | 1,127,235         | 1,161,456 | 3.0%     | 90.2  | 89.0  | -1.4%    |
| Regular  | 603,315           | 604,819   | 0.2%     | 48.3  | 46.3  | -4.1%    |
| Intensive  | 147,162           | 128,536   | -12.7%   | 11.8  | 9.8   | -16.4%   |
| Detoxification   | 13,839            | 14,457    | 4.5%     | 1.1   | 1.1   | 0.0%     |
| Day treatment/partial<br>hospitalization   | 22,828            | 23,138    | 1.4%     | 1.8   | 1.8   | -3.0%    |
| Methadone/buprenorphine<br>maintenance or injectable<br>naltrexone                   | 340,091           | 390,506   | 14.8%    | 27.2  | 29.9  | 9.9%     |
| Residential (non-hospital)   | 107,727           | 119,900   | 11.3%    | 8.6   | 9.2   | 6.5%     |
| Detoxification   | 10,244            | 13,748    | 34.2%    | 0.8   | 1.1   | 28.4%    |
| Short-term   | 27,184            | 36,651    | 34.8%    | 2.2   | 2.8   | 29.0%    |
| Long-term  | 70,299            | 69,501    | -1.1%    | 5.6   | 5.3   | -5.4%    |
| Hospital inpatient   | 14,667            | 24,291    | 65.6%    | 1.2   | 1.9   | 58.5%    |
| Detoxification   | 5,768             | 12,394    | 114.9%   | 0.5   | 0.9   | 105.7%   |
| Treatment  | 8,899             | 11,897    | 33.7%    | 0.7   | 0.9   | 28.0%    |
| Clients receiving methadone,<br>buprenorphine, or injectable<br>naltrexone treatment | 382,237           | 439,602   | 15.0%    | 30.6  | 33.7  | 10.1%    |
| Clients receiving methadone  | 330,308           | 356,843   | 8.0%     | 26.4  | 27.3  | 3.4%     |
| Clients receiving buprenorphine  | 48,148            | 75,724    | 57.3%    | 3.9   | 5.8   | 50.5%    |
| Clients receiving injectable naltrexone  | 3,781             | 7,035     | 86.1%    | 0.3   | 0.5   | 78.1%    |

**NOTE:** N-SSATS surveys the universe of specialty SUD treatment facilities. In 2013 and 2015, respectively, the survey had a 94% and 92% response rate. Estimates are not adjusted for facility or item non-response. For inpatient and residential services counts indicate the number of clients in treatment on the last working day in March of each survey year. For outpatient services counts indicate the number of clients receiving services during March who are still enrolled in treatment on the last working day in March. Care categories defined to align with the American Society of Addiction Medicine levels of care.

Discrepancies between trends in the N-SSATS and NSDUH are expected due to differences in the scope of the surveys and measures of service use (Batts et al. 2014). Although both NSDUH and N-SSATS collect information on the number of individuals in care at specialty SUD treatment facilities, they differ in how they measure this population. The NSDUH measures the number of individuals reporting any receipt of treatment in the past year in a specialty setting, whereas for N-SSATS specialty facilities report the number of clients in treatment on a single day in each year (the last working day in March of each survey year). Outpatient client counts in N-SSATS include individuals receiving services during March who are still enrolled in treatment on the last working day in March. If individuals experience a longer duration of care or repeat admissions to the same type of care, NSDUH will show no change in the number of individuals with service use; N-SSATS client counts, on the other hand, will increase under these circumstances. The lack of change in the population with service use in the past year in NSDUH, paired with the increases in client counts observed in the N-SSATS, suggests that the increase in outpatient clients observed in N-SSATS stems from a longer duration of care or repeated admissions rather an increase in the total number of individuals receiving treatment in the course of a year. Analysis of the distribution of length of stay in the Treatment Episode Data Set (TEDS) Discharge file in

2012 relative to 2014 (Table II.5) supports a small 2 percentage point decline in the number of discharges with length of stay 30 days or less and corresponding 2 percentage point increase stays greater than 180 days.

| TABLE II.5. Distribution of Discharges by Length of Stay, TEDS 2012 and 2014 |      |      |  |  |  |  |
|--|------|------|--|--|--|--|
| Length of Stay   | 2012 | 2014 |  |  |  |  |
| 1 to 30 days   | 47.8 | 45.9 |  |  |  |  |
| 31 to 45 days  | 6.8  | 6.7  |  |  |  |  |
| 46 to 60 days  | 5.3  | 5.3  |  |  |  |  |
| 61 to 90 days  | 9.0  | 9.0  |  |  |  |  |
| 91 to 120 days   | 7.4  | 7.5  |  |  |  |  |
| 121 to 180 days  | 8.9  | 9.2  |  |  |  |  |
| 181 to 365 days  | 9.8  | 10.5 |  |  |  |  |
| More than a year   | 4.9  | 6.0  |  |  |  |  |

SOURCE: TEDS 2012 and 2014 (CBHSQ 2017a and 2017b).

**NOTE**: Individual states report discharges to SUD treatment facilities within their state to TEDS. The scope of SUD treatment providers included in each state's data may vary over time and based on differences across states in state licensure, certification, accreditation, and disbursement of public funds. At a minimum, facilities receiving federal substance abuse treatment block grant funds are included. The following states did not report usable data for the year 2012: Kansas, Mississippi, and New Mexico. The following states did not report usable data for the year 2014: Mississippi, Florida, Georgia, Kansas, West Virginia, and New Mexico.

Differences in the scope of the two surveys can explain why the N-SSATS reports show increases in residential and hospital inpatient care, whereas the NSDUH results show constant use of these services. NSDUH surveys residents in households with a fixed address and individuals in non-institutional group quarters. It excludes individuals who are institutionalized or homeless and not in a shelter from its respondent pool. Thus, the NSDUH will not accurately assess the number of individuals receiving institutional services. Specifically, NSDUH will not count hospital services provided to individuals who enter a hospital but who do not re-enter the community due to drug overdose death. Thus, N-SSATS is a more accurate source of trends in institutional service use.

#### 3. Trends in the Primary Substance for Treatment Admission

According to the data collected in TEDS, over the last decade the primary substance for which individuals receive SUD treatment has shifted. Alcohol use disorders as a primary substance accounted for the highest proportion of clients in care in 2004 (40 percent) and 2014 (36 percent), but the proportion represented by these admissions has declined (Table II.6). The proportion of admissions for a disorder related to cocaine as a primary substance also has declined, from 14 percent to 5 percent. In contrast, the proportion of admissions for heroin and non-heroin opiates and synthetics as a primary substance rose from 18 percent to 30 percent.

| TABLE II.6. Number and Percentage of Specialty SUD Treatment Admissions<br>by Primary Substance, TEDS 2004 and 2014 |           |           |       |       |  |  |  |
|---|-----------|-----------|-------|-------|--|--|--|
|   | Nur       | nber      | Perce | ntage |  |  |  |
|   | 2004      | 2004 2014 |       | 2014  |  |  |  |
| Total   | 1,808,469 | 1,614,358 | 100   | 100   |  |  |  |
| Alcohol   | 729,366   | 585,024   | 40    | 36    |  |  |  |
| Marijuana   | 285,193   | 247,461   | 16    | 15    |  |  |  |
| Heroin  | 262,518   | 357,293   | 15    | 22    |  |  |  |
| Cocaine   | 248,492   | 87,510    | 14    | 5     |  |  |  |
| Methamphetamine/amphetamine   | 142,510   | 143,659   | 8     | 9     |  |  |  |
| Non-heroin opiates/synthetic  | 62,895    | 134,401   | 3     | 8     |  |  |  |
| Other or not reported   | 77,495    | 59,010    | 4     | 4     |  |  |  |
| SOURCE: TEDS 2004 and 2014 (SAMUSA 2016)  |           |           |       |       |  |  |  |

SOURCE: TEDS 2004 and 2014 (SAMHSA 2016).

**NOTE**: Individual states report admissions to SUD treatment facilities within their state to TEDS. The scope of SUD treatment providers included in each state's data may vary over time and based on differences across states in state licensure, certification, accreditation, and disbursement of public funds. At a minimum, facilities receiving federal substance abuse treatment block grant funds are included. Alaska, Arkansas, and District of Columbia reported either no data, or less than a full calendar year of data for 2004. South Carolina did not report usable data for the year 2014.

# B. How Does Service Receipt Vary Geographically, by Level of Urbanicity and by Facility Operation?

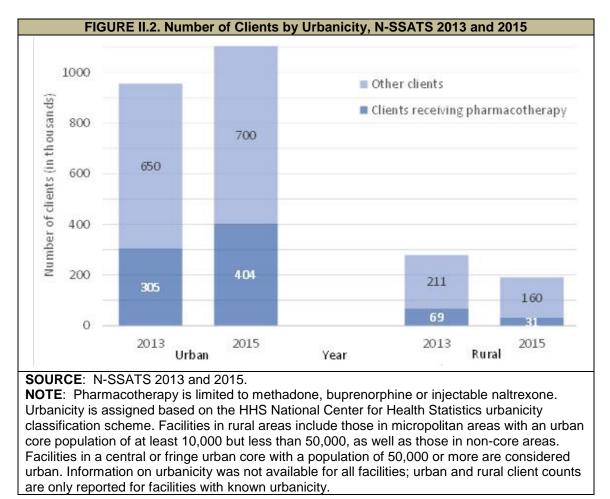
**Geographically.** SUD prevalence and treatment use varies based on geography. Geographic variation results from cultural and environmental influences on disorder prevalence as well as differences in jurisdictional policies, treatment funding and availability, and availability of other social services. Below, we discuss the geographic variations in service receipt, reflected in Table B.1 through Table B.4.b of Appendix B.

National and regional average changes in clients by type of care between 2013 and 2015 mask substantial variation by state. Across all regions, there was a substantial increase in clients in inpatient care (65.6 percent). We also observed substantial increases for each of the four regions (Table B.1), but the increase in the Midwest was much lower than for the other regions (16.8 percent). Within each region, however, changes in inpatient care varied substantially by state (Table B.2). Residential clients increased by 11.3 percent nationally but, as was true for inpatient care, results varied by region. At the extremes, the number of residential clients in the Midwest declined by 9.6 percent, whereas the number in the South increased by 28.5 percent. Outpatient client counts increased modestly in each region.

Use of pharmacotherapies targeted to alcohol and opioid dependence substantially increased in all regions (Table B.3.a and Table B.3.b). Buprenorphine and injectable naltrexone had higher percentage increases, but these medications were less commonly used in 2013 than methadone. Rates of change varied dramatically across states, with some states seeing declines in pharmacotherapy use (particularly for methadone), whereas others saw a surge in use (Table B.4.a and Table B.4.b).

**Urbanicity.** Variation in treatment use based on the level of urbanicity may be expected due to access barriers for individuals in more rural areas. Jackson and

Shannon (2012) reviewed the literature on barriers to treatment access for rural residents and found: (1) rural residents are less likely to have access to health insurance; (2) there is a shortage of providers in rural areas; and (3) people in need of treatment in rural areas must travel longer distances to facilities. Cummings and colleagues (2014) used the 2009 N-SSATS and the Area Resource File to look at access to outpatient SUD treatment for Medicaid enrollees. This study found that rural counties are less likely than urban counties to have at least one outpatient SUD facility that accepts Medicaid. Lenardson and Gale (2007) compared SUD treatment offered in rural and urban counties using variables in the 2004 N-SSATS. Comparing the number of facilities and treatment beds to population size revealed that rural areas actually had a larger number of treatment facilities, but the facilities had fewer inpatients beds available per population. In addition, few facilities in rural counties not adjacent to a metropolitan area provided detoxification, transitional housing services, or intensive outpatient care. Nearly all opioid treatment programs (OTPs) were located in urban areas.



The number of clients in each care setting declined substantially in rural areas and increased in urban areas between 2013 and 2015 (Figure II.2). The number of clients receiving pharmacotherapy also declined substantially in rural areas and increased in urban areas with the exception of clients receiving buprenorphine which stayed fairly

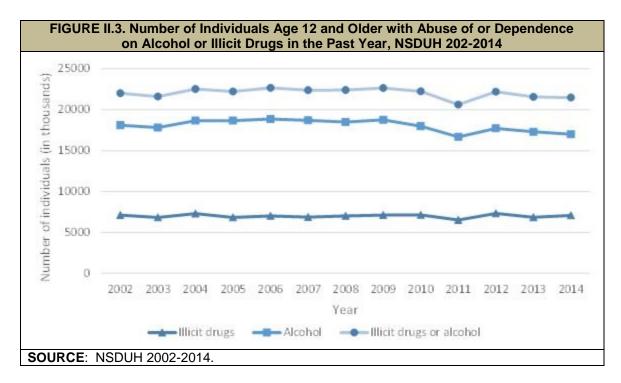
constant in rural areas (Table B.3.a). According to the U.S. Department of Agriculture (2016) the population living in rural areas was fairly constant in this period while the population living in urban areas has increased steadily at approximately 1 percent annually. Given the treatment access barriers for individuals living in rural areas that pre-date this period and the consistent size of the population in these areas the substantial declines in treatment use in rural areas warrant further investigation.

**Facility operation.** Facility operation may affect the characteristics of clients served and types of services offered as facilities that are publicly owned or non-profits may have distinct missions to provide charitable care or act as the provider of last resort. Between 2013 and 2015 clients served in public facilities (Table B.1) declined substantially for outpatient care (13.7 percent) and somewhat for residential care (4.3 percent). Meanwhile clients served in private for-profit and private non-profit facilities expanded in these settings. This shift may be related to increased rates of insurance coverage. Inpatient clients increased substantially for facilities of all operation types.

#### C. What is the Relationship between the Prevalence of SUDs and Demand for Care? How Does the Relationship Vary Geographically?

According to NSDUH, the number of individuals with SUDs was relatively constant between 2004 and 2014 (Figure II.3). The aggregate estimates, however, mask substantial shifts in the substances with which the disorders are associated (Table B.5). Cocaine/crack-related, hallucinogen-related, inhalant-related, and alcohol-related disorders have declined over the last decade, whereas heroin, non-medical use of psychotherapeutics, and use of pain relievers have increased.

The direction of trends in the percent of the population with use disorders was similar across age groups (Table II.7). Between 2002 and 2015, the proportion of the population with an SUD declined for all age groups for alcohol and cocaine and increased for heroin. In contrast, the proportion of the population with marijuana use disorders remained constant among individuals 26 and older, but declined for individuals 12-17 and 18-25. Due to the survey sample size and prevalence of disorders, it is difficult to detect trends in disorder prevalence among more detailed subgroups within the 26 and older group with a single year of NSDUH data. Han et al. (2017) pooled two years of NSDUH data to compare the proportion of individuals 50 and older with alcohol use disorders in 2005-2006 to 2013-2014. In contrast to the results for the 26 or older group, they found the proportion of individuals 50 and older with an alcohol use disorder increased from 3.0 percent to 3.7 percent (a 23.3 percent increase). There is concern that SUD prevalence may increase among older age groups over time as the baby boomers age given their higher rates of substance use relative to previous generations (Elinson 2015).



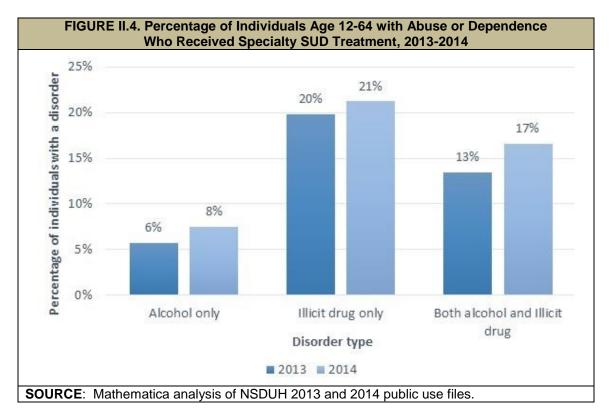
According to the Diagnostic and Statistical Manual of Mental Disorders, 4th Edition ("DSM-IV-TR" 2017), which was used to develop the diagnostic criteria in the NSDUH for having an SUD an individual must have serious negative consequences to qualify as having a disorder. For substance use dependence an individual must have three or more symptoms of dependence such as withdrawal symptoms, increased tolerance, repeated unsuccessful attempts to quit, having given up social, occupational or recreational activities or using the substance in larger amounts and for longer periods of time than intended. For abuse the individual must continue use despite having at least one negative consequence due to use including failure to fulfill a major work, school or home role, recurrent use in hazardous situations, recurrent legal issues, or social and interpersonal problems caused by use. Individuals meeting criteria for a disorder continue substance use despite serious negative consequences in their personal lives.

| and Age Group, NSDUH 2002 and 2015 |      |           |       |           |      |                 |  |
|------------------------------------|------|-----------|-------|-----------|------|-----------------|--|
|                                    | Age  | Age 12-17 |       | Age 18-25 |      | Age 26 or Older |  |
|                                    | 2002 | 2015      | 2002  | 2015      | 2002 | 2015            |  |
| Alcohol use                        | 5.9* | 2.5       | 17.7* | 10.9      | 6.2* | 5.4             |  |
| Marijuana use                      | 4.3* | 2.6       | 6.0*  | 5.1       | 0.8  | 0.8             |  |
| Cocaine use                        | 0.4* | 0.1       | 1.2*  | 0.7       | 0.6* | 0.3             |  |
| Heroin use                         | 0.1  | 0.0       | 0.2*  | 0.4       | 0.1* | 0.2             |  |

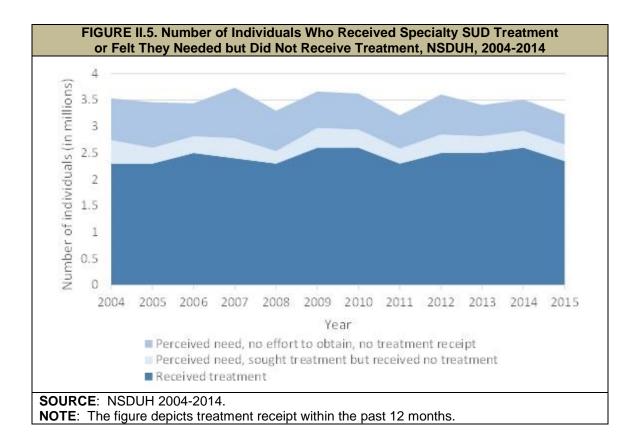
\* Estimate is significantly different from 2015 estimate at the 0.5% level.

Based on the NSDUH survey, there is a substantial gap between the number of people with an SUD and the number of individuals who receive specialty treatment in a given year. In 2014, an estimated 20.3 million United States residents aged 12-64 met criteria for an SUD in the past year. Among this group, less than 10 percent of individuals abusing or dependent on alcohol only received specialty SUD treatment in

the past year (Figure II.4). The treatment rate was higher (about 20 percent) among individuals abusing or dependent on illicit drugs only. About 15 percent of those abusing or dependent on both illicit drugs and alcohol received treatment. Differences between the 2013 and 2014 rates are not statistically significant. According to a review by Foster (2014), treatment rates among individuals with SUDs are substantially lower than those for common health conditions, such as hypertension (77 percent), diabetes (73 percent), and major depression (71 percent). However, an individual's need for professional support to address an SUD may depend on several factors, such as the severity of the disorder, comorbid health conditions, personal coping skills, the individual's environment, and available sources of informal specialty support (Mechanic 2003). Treatment rates vary little across states (Table B.6).



Individuals who meet the criteria for an SUD but do not receive treatment fall into three groups: (1) those who do not feel they need treatment; (2) those who feel they need treatment but do not seek it; and (3) those who feel they need and seek treatment but do not receive it. Based on the 2015 NSDUH, Lipari et al. (2016) found that 95.4 percent of people who met the criteria for an SUD but did not receive specialty treatment did not feel they needed treatment (19.3 million people). Among the remaining small percentage (4.6 percent, or 880,000 people) who felt they needed treatment but did not get it, 64.4 percent (about 567,000 people) reported making no effort to get treatment, whereas 35.6 percent (about 313,000 people) reported they did make such efforts. Figure II.5 displays trends in the number of individuals who received specialty SUD treatment, felt they needed treatment but did not seek it, and felt they needed treatment and sought it but did not receive it. These numbers were relatively constant from 2004 through 2014.



#### D. What Evidence Exists about How Increases in Medicaid Enrollment Have Impacted Demand?

In Phase 1 of this project we reviewed the literature on the relationship between Medicaid insurance coverage and SUD treatment use. We found only a few studies in the literature that have explicitly examined how health insurance coverage impacts demand for SUD treatment services; furthermore, many of these studies did not employ experimental designs, so the findings may be confounded by other factors. Although a rigorous study with experimental design found that insurance coverage has a positive effect on the use of general health services (Newhouse and the Insurance Experiment Group 1993), findings for SUD treatment could differ for several reasons. First, SUD treatment is typically provided outside of the general health sector, and insurance coverage for these services may be less comprehensive, have a limited network of providers, and require greater out-of-pocket costs for the client, thereby deterring treatment use. The social stigma attached to SUDs and SUD treatment may also limit treatment seeking despite insurance coverage. In addition, states and the Federal Government (through block grants) fund SUD treatment directly, particularly for those who are uninsured. Thus, although other types of care may be more affordable for those who are insured, the availability of publicly funded SUD treatment for individuals without insurance may mean that access to Medicaid coverage has less impact on SUD treatment use than use of other types of health care services.

The findings from the limited studies we identified on the relationship between Medicaid coverage and SUD treatment use indicate that individuals with Medicaid coverage are more likely to use SUD treatment than those with private insurance or who are uninsured (Bouchery et al. 2012; Epstein et al. 2004; Larson et al. 2005). This finding may be due to out-of-pocket expenses being lower under Medicaid. It may also be due to differences in the care management and benefit packages provided through Medicaid and private insurance plans. Since these studies did not use an experimental design the findings may be due to characteristics of the Medicaid population that were not controlled for in the models. In particular, individuals who are eligible for Medicaid may be enrolled in Medicaid by a treatment provider.

For Phase 2 of this study data from the NSDUH on Medicaid enrollment and treatment use prior to (2009-2013) and following ACA implementation (2014) was available for analysis. We used these data to estimate how increased rates of Medicaid enrollment influenced SUD treatment use. First, among individuals with SUDs we estimated changes in Medicaid enrollment rates and the number of individuals with SUD who gained Medicaid coverage as a result of increased enrollment rates. Then we estimated treatment use rates among those with SUDs and assessed how access to Medicaid coverage likely affected treatment use among individuals who gained Medicaid coverage.

According to our analysis of the NSDUH, the proportion of individuals ages 12-64 with SUDs who were enrolled in Medicaid rose from 13.4 percent in the five years from 2009 to 2013 to 18.1 percent in 2014--a statistically significant change (Table II.8). There was a corresponding decline in the percentage uninsured from 24.8 percent in 2009-2013 to 20.0 percent in 2014. This change may be related to expansion of Medicaid eligibility under the ACA. The opioid epidemic and efforts to increase treatment use for individuals affected may also have contributed to increased Medicaid enrollment among individuals with SUDs.

Because of the higher Medicaid enrollment rate observed in 2014, we estimate that approximately 944,000 more individuals with SUDs were enrolled in Medicaid in 2014 than would have been expected, given the Medicaid enrollment rates observed between 2009 and 2013 (Table II.9). This represents a 34 percent increase in the size of the Medicaid population with SUDs. We estimate this by projecting what Medicaid enrollment would have been among individuals with SUDs given the average enrollment rate in 2009-2013 compared to the observed enrollment rate in 2014. The steps of this calculation are presented in Table II.9. The first step was to determine the actual number of individuals enrolled in Medicaid enrollment rate in 2009-2013 relative to that for 2014 based on the estimates in Table II.8. We multiplied these ratios by the actual number of Medicaid enrollees with an SUD in each diagnostic category in 2014 to calculate projected Medicaid enrollment for 2014 given the average enrollment rate between 2009 and 2013. We then subtracted the projected enrollment levels for 2009-

2013 from the actual enrollment levels in 2014 to estimate the increase in the number of enrollees.

| TABLE II.8. Percentage of Individuals Ages 12-64 with SUDs Who Were Enrolled<br>in Medicaid or Uninsured in 2009-2013 versus 2014, by SUD Type |           |                              |                              |      |                              |                              |  |
|--|-----------|------------------------------|------------------------------|------|------------------------------|------------------------------|--|
|  | 2009-2013 |                              |                              | 2014 |                              |                              |  |
| Type of Substance  | Mean      | Lower<br>Bound for<br>95% CL | Upper<br>Bound for<br>95% CL | Mean | Lower<br>Bound for<br>95% CL | Upper<br>Bound for<br>95% CL |  |
| Medicaid Enrolled  |           |                              |                              |      |                              |                              |  |
| Total  | 13.4      | 12.8                         | 14.1                         | 18.1 | 16.7                         | 19.6                         |  |
| Alcohol dependence   | 11.1      | 9.9                          | 12.3                         | 16.6 | 14.0                         | 19.2                         |  |
| Other alcohol and marijuana disorders  | 11.7      | 11.0                         | 12.5                         | 14.9 | 13.4                         | 16.4                         |  |
| Other drug abuse or<br>dependence disorders  | 23.1      | 21.4                         | 24.7                         | 30.9 | 27.3                         | 34.5                         |  |
| Uninsured  |           |                              |                              |      |                              |                              |  |
| Total  | 24.8      | 23.7                         | 25.9                         | 20.0 | 18.3                         | 21.7                         |  |
| Alcohol dependence   | 25.4      | 23.9                         | 26.8                         | 23.6 | 20.2                         | 27.0                         |  |
| Other alcohol and marijuana disorders  | 22.7      | 21.4                         | 24.0                         | 17.0 | 14.9                         | 19.1                         |  |
| Other drug abuse or<br>dependence disorders  | 30.4      | 28.1                         | 32.8                         | 22.5 | 18.5                         | 26.6                         |  |
| SOURCE: NSDUH 2009-2014.   |           |                              |                              |      |                              |                              |  |

| TABLE II.9. Estimated Increase in Medicaid Enrollment Associated with Medicaid           Expansion for Individuals Ages 12-64 with an SUD, by SUD Type |  |    |           |         |  |  |  |
|--|--|----|-----------|---------|--|--|--|
| Type of Substance  | of Substance<br>Projected 2014<br>2014 Medicaid<br>Enrollment <sup>a</sup><br>2009-2013 Medicaid<br>Enrollment Rate as<br>a Percentage of<br>2014 Rate <sup>b</sup><br>Enrollment Rates <sup>c</sup> |    |           |         |  |  |  |
| Total  | 3,684,517  | 74 | 2,740,333 | 944,184 |  |  |  |
| Alcohol dependence   | 1,042,102  | 67 | 699,424   | 342,678 |  |  |  |
| Other alcohol and<br>marijuana disorders   | 1,571,584  | 79 | 1,241,446 | 330,138 |  |  |  |
| Other drug abuse or<br>dependence disorders  | 1,070,831  | 75 | 799,463   | 271,368 |  |  |  |

SOURCE: Mathematica analysis of NSDUH 2009-2014 public use files.

a. These counts are estimated based on the NSDUH survey sample.

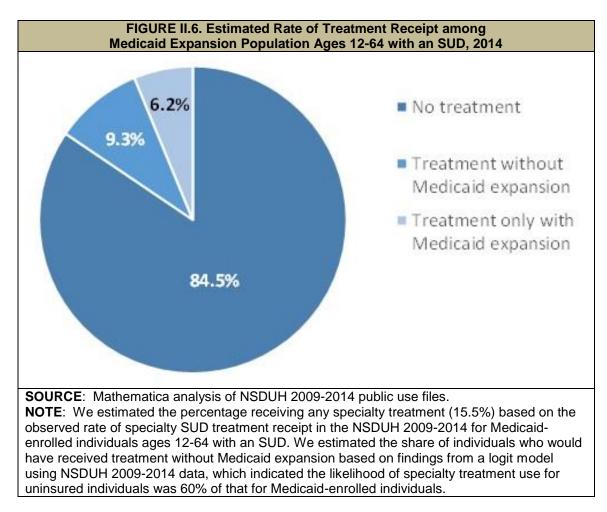
b. This is the mean percentage of individuals ages 12-64 with an SUD enrolled in Medicaid in 2009-2013 divided by that for 2014. Means for these periods are those presented in Table II.4.

c. This number is the 2014 Medicaid enrollment times the 2009-2013 Medicaid enrollment rate as a percentage of the 2014 rate.

d. This number is the difference between 2014 Medicaid enrollment and the projected Medicaid enrollment based on 2009-2013 enrollment rates. The estimated increase in Medicaid enrollment may result from Medicaid eligibility expansion under the ACA, or other changes such as new policies implemented to address the opioid epidemic.

According to the NSDUH, in 2014 most Medicaid-enrolled individuals with an SUD, 85 percent, did not receive any specialty treatment. Assuming their treatment use rates are similar to those of the Medicaid population overall, most of the individuals whose enrollment is associated with Medicaid expansion (about 798,000, or 85 percent of the 944,000) did not receive any specialty SUD treatment in 2014 (Figure II.6). Individuals who are uninsured access treatment at a lower rate than those on Medicaid; a logit model predicting specialty treatment use for the NSDUH using data from 2009 to 2014 indicated that the likelihood of specialty SUD treatment for someone who was uninsured was 60 percent of that for an individual who was Medicaid insured. Thus, we would expect 60 percent of those whose enrollment in Medicaid was associated with Medicaid

expansion who received SUD treatment in 2014 would have received specialty SUD treatment even if they were uninsured. The remaining approximately 59,000 (40 percent) would not have received specialty treatment in the absence of Medicaid enrollment.<sup>10</sup>



A limitation to this analysis is that we assume that the SUD treatment use rate for the Medicaid expansion population with SUDs is the same as that for other Medicaid enrollees with SUDs. To assess the importance of this limitation, we compared treatment use rates by disorder type in 2014 to the average for 2009-2013. Despite the 34 percent increase in the number of individuals enrolled in Medicaid with SUDs specialty treatment use rates were unchanged between the two periods suggesting that the expansion population had similar rates of treatment use.

<sup>&</sup>lt;sup>10</sup> We conducted a logistic regression using data from the 2009-2014 NSDUH to estimate the increase in the likelihood of receiving treatment that was associated with being enrolled in Medicaid relative to being uninsured. The regression controlled for age, gender, race/ethnicity, education level, household income, marital status, age of first alcohol/illicit drug use, cigarette use, criminal activity, health status, population density, work status, SUD type, and year. Holding all other characteristics constant at the average for the population, the regression analysis indicated that, at the margin, the likelihood of specialty SUD treatment for someone who was uninsured was 60 percent of that for an individual who was Medicaid insured.

| TABLE II.10. Percentage of Individuals Ages 12-64 with SUDs Who Were Enrolled in<br>Medicaid Who Used Specialty Treatment in 2009-2013 versus 2014, by SUD Type |      |                              |                              |      |                              |                              |  |  |
|---|------|------------------------------|------------------------------|------|------------------------------|------------------------------|--|--|
|   |      | 2009-2013                    |                              | 2014 |                              |                              |  |  |
| Type of Substance   | Mean | Lower<br>Bound for<br>95% CL | Upper<br>Bound for<br>95% CL | Mean | Lower<br>Bound for<br>95% CL | Upper<br>Bound for<br>95% CL |  |  |
| Total   | 14.5 | 12.7                         | 16.3                         | 15.5 | 11.8                         | 19.2                         |  |  |
| Alcohol dependence  | 10.7 | 7.3                          | 14.0                         | 11.1 | 5.5                          | 16.8                         |  |  |
| Other alcohol and marijuana disorders   | 8.3  | 6.3                          | 10.3                         | 9.6  | 4.4                          | 14.9                         |  |  |
| Other drug abuse or dependence disorders  | 28.2 | 24.2                         | 32.2                         | 28.2 | 20.1                         | 36.4                         |  |  |
| SOURCE: Mathematica analysis of NSDUH 2009-2014 public use files.   |      |                              |                              |      |                              |                              |  |  |

Another limitation of this analysis is that it included only individuals with SUDs as identified by responses to questions in the NSDUH survey. Some individuals receive treatment for substance use, but do not meet criteria for an SUD in the past year. These may be individuals who previously met criteria for a disorder and are continuing to receive treatment to reduce the likelihood of relapse. According to the NSDUH, on average between 2009-2013 and in 2014, respectively, about 292,000 and 261,000 individuals enrolled in Medicaid who did not meet criteria for an SUD in the past year received specialty treatment (Table II.11). The difference between these estimates is not statistically significant suggesting the Medicaid expansion did not substantially change the number of individuals in this population receiving specialty treatment.

| TABLE II.11. Number of Individuals Ages 12-64 Not Meeting Criteria for an SUD Who           Received Specialty SUD Treatment in 2009-2013 versus 2014, by Medicaid Enrollment |         |                              |                              |         |                              |                              |  |
|---|---------|------------------------------|------------------------------|---------|------------------------------|------------------------------|--|
| 2009-2013   |         |                              |                              | 2014    |                              |                              |  |
| Type of Substance   | Mean    | Lower<br>Bound for<br>95% CL | Upper<br>Bound for<br>95% CL | Mean    | Lower<br>Bound for<br>95% CL | Upper<br>Bound for<br>95% CL |  |
| Medicaid enrolled   | 291,898 | 243,132                      | 340,664                      | 261,103 | 179,849                      | 342,356                      |  |
| Not Medicaid enrolled   | 672,861 | 588,171                      | 757,551                      | 728,473 | 540,615                      | 916,332                      |  |
| SOURCE: Mathematica analysis of NSDUH 2009-2014 public use files.   |         |                              |                              |         |                              |                              |  |

### **III. SUPPLY OF SUBSTANCE USE TREATMENT**

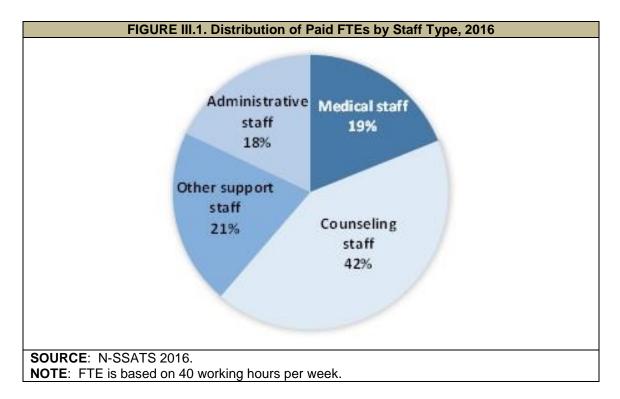
In this section, we present our findings on the supply of SUD treatment services. The primary data source for these analyses is the information collected on the workforce questions added to the 2016 N-SSATS. These data are supplemented with information from the N-SSATS on trends in facility acceptance of insurance and utilization rates in beds designated for SUD treatment as well as data from Bureau of Labor Statistics (BLS) on trends in hourly wages.

## A. What are the Professions and SUD Treatment Credentials of the Current Workforce?

Provision of SUD treatment requires a mix of counselors, medical professionals, and support staff. The level and type of staff needed vary across care types and settings, based on the needs of the clients in care. In this section, we present findings from recent N-SSATS 2016 survey data that characterize this multifaceted workforce, providing information on its overall size, composition, education, and training.

#### 1. What is the Size of the SUD Treatment Workforce?

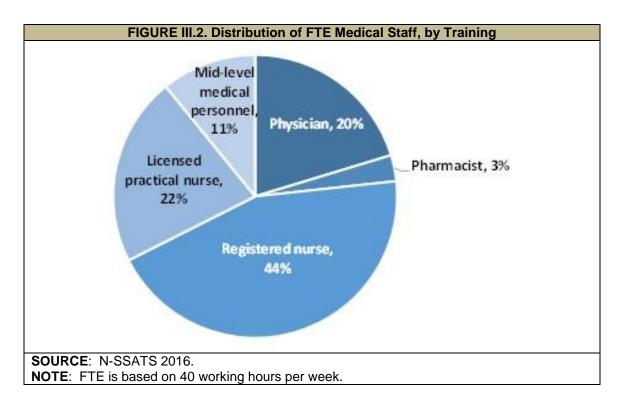
According to the N-SSATS survey, 256,449 paid staff members (representing 197,559 full-time equivalent [FTE] positions) and 14,458 unpaid staff members (representing 6,726 FTE positions) worked in specialty SUD treatment facilities in 2016 (Table B.7 and Table B.8). We define an FTE as 40 working hours per week. About two-fifths of the paid FTEs were degreed and no-degree counseling staff (Figure III.1). The other three-fifths of the paid FTEs were about evenly divided between medical staff (that is, physicians, pharmacists, nurses, and mid-level professionals), other support staff (that is, peer support staff, care managers, patient navigators, other recovery support staff, other clinical staff and interns, pharmacy assistants, contractors/per diem staff, and intake coordinators), and administrative staff.



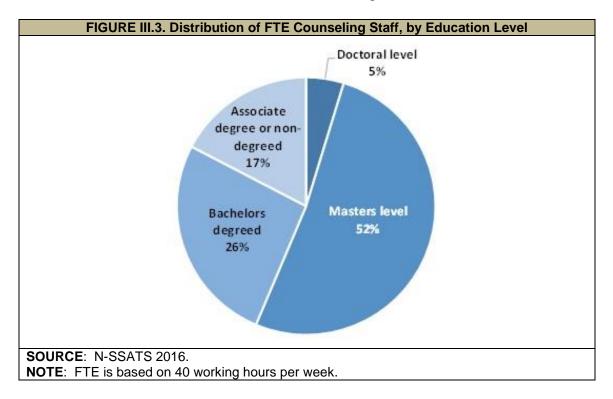
#### 2. What is the Education Level of Medical and Counseling Staff?

The training and educational attainment of staff in specialty SUD treatment facilities varied. There are few standards for such staffing. State and federal regulations allow SUD treatment facilities substantial flexibility in selecting the number and types of professionals they employ. Thus, facilities can align their staff with the needs of their client population and the services they offer. In this section, we provide an overview of SUD specialty facility staffing nationally, based on Table B.7. More detailed information by state and facility characteristics is provided in Appendix B (Table B.9.a, Table B.10.a, and Table B.11.a).

Physicians and other prescribers are particularly important in expanding the use of pharmacotherapy. The SAMHSA-HRSA Center for Integrated Health Solutions (2014) identified lack of available prescribers as a barrier to expanding pharmacotherapy use. Physicians accounted for 20 percent (7,576 FTEs) of the medical staff at specialty SUD treatment facilities (Figure III.2). These physicians are supplemented by 4,043 FTEs for mid-level medical personnel (including nurse practitioners, physician assistants, and advanced practice nurses) who can also prescribe. Although they make up a small share of all medical staff (3 percent), pharmacists, who accounted for 1,110 FTEs, are also important in supporting opioid treatment facilities. Nurses are the most common type of medical staff in specialty SUD treatment facilities. About two-thirds of nursing staff are registered nurses (16,515 FTEs) and one-third are licensed practical nurses (8,073 FTEs).



Counseling staff in SUD treatment facilities have high rates of post-graduate education. A substantial majority (57 percent) of counselors (including degreed and nodegree counseling staff) in these facilities have a graduate degree (Figure III.3). Only 17 percent of counselors have less than a bachelor's degree.



## 3. What Percentage of Specialty SUD Treatment Staff are Certified in Addiction Treatment?

Although counseling staff in SUD treatment facilities have high rates of postgraduate education, this advanced education may not translate into greater knowledge specific to SUD treatment, as many graduate programs in social work and psychology do not provide specialized training in SUDs. Community colleges provide much of the specialized academic training in SUDs (McCarty 2002; Institute of Medicine 2006). Addiction counselors can demonstrate their competency by obtaining certification through organizations such as IC&RC and NAADAC. Certification is available for different levels of staff and requires education/training, work experience, and an exam focused on SUDs and addiction. Certification in addiction treatment was more common among counselors with less educational attainment. In fact, as shown in Figure III.4, only 40 percent and 34 percent of master's-level and doctoral-level counselors, respectively, are certified in addiction treatment in contrast to 49 percent and 59 percent, respectively, for bachelor's degree and associate's degree or no-degree counselors. Overall, 31 percent of non-administrative staff in specialty SUD treatment facilities are certified in addiction treatment.

This section provides an overview of staff certification in addiction at SUD specialty facilities nationally. More detailed information on certification by state and facility characteristics is provided in Appendix B (Table B.9.b, Table B.10.b, and Table B.11.b).



**NOTE**: Non-administrative support staff includes pharmacy assistants, peer support staff, care managers, patient navigators, other recovery support workers, interns, contractors, per diem staff, intake coordinators, and other clinical staff not included in other groups.

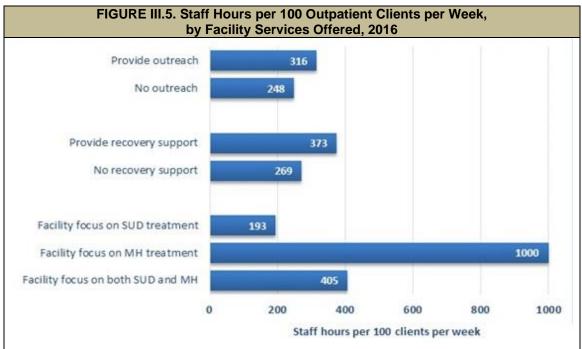
### B. What is the Current Capacity of Service Providers to Supply SUD Treatment Services? How Does Provider Capacity Differ Across Geographic Areas? What Disparities in Care Access are Evident? How Does Provider Capacity Differ in Relation to Various Services, such as Inpatient, Residential, Intensive Outpatient, Outpatient, and Pharmacotherapy?

There are limited data available to assess treatment system capacity despite its importance and relevance in further policymaking. In this section, we provide information on the number of staff hours utilized per week for every 100 outpatient clients and the variation in this metric based on facility characteristics. We also provide data on access to pharmacotherapy and utilization rates for designated residential and inpatient care beds.

# 1. For Every 100 Clients in Outpatient Care, How Many Hours of Care are provided per Week by Type of Staff? How Does the Level of Hours provided Vary by State, Types of Services Offered, and Other Facility Characteristics?

In this section, we report staff hours per week for every 100 clients in care by type of staff and facility characteristics. We limit this analysis to facilities that provide only outpatient treatment. The level and distribution of staff hours provided differs substantially based on whether pharmacotherapies are offered at the facility. Overall, on average, for every 100 clients in care, outpatient facility staff provide 292 hours of services per week (Table III.1). Fewer staff hours were used per 100 clients in facilities providing pharmacotherapies (242 hours per week) than in those not providing pharmacotherapies (393 hours per week). In both groups, the bulk of hours were provided by counseling staff (66 percent across all facilities); however, medical staff accounted for a greater share of hours in facilities providing pharmacotherapy (25 percent) than those that did not (10 percent). Facilities providing no pharmacotherapy used substantially more counseling and recovery support staff hours than those providing pharmacotherapy. Detailed information on the level and distribution of staff hours per client per week by state are listed in Table B.12.a, Table B.12.b, and Table B.12.c.

| TABLE III.1                                     |                   |   |   |                   |   |   |
|---|-------------------|---|---|-------------------|---|---|
| by Type of                                      | Staff and         | Availability  | of Pharma   | cotnerapy         | , 2016<br>Percentage                                    |   |
| Type of Staff                                   | All<br>Facilities | Facilities<br>Providing<br>an<br>Pharmaco-<br>therapies | Facilities<br>Providing<br>No<br>Pharmaco-<br>therapy | All<br>Facilities | Facilities<br>Providing<br>an<br>Pharmaco-<br>therapies | Facilities<br>Providing<br>No<br>Pharmaco-<br>therapy |
| Total   | 292               | 242   | 393   | 100               | 100   | 100   |
| Medical staff                                   | 52                | 60  | 38  | 18                | 25  | 10  |
| Physician                                       | 15                | 15  | 14  | 5                 | 6   | 4   |
| Pharmacy staff                                  | 3                 | 3   | 2   | 1                 | 1   | 1   |
| Mid-level medical personnel                     | 9                 | 9   | 8   | 3                 | 4   | 2   |
| Registered nurse                                | 14                | 15  | 10  | 5                 | 6   | 2   |
| Licensed practical nurse                        | 13                | 17  | 4   | 4                 | 7   | 1   |
| Counselors                                      | 192               | 147   | 284   | 66                | 61  | 72  |
| Post-graduate level                             | 113               | 87  | 167   | 39                | 36  | 42  |
| Bachelor's degree                               | 51                | 39  | 75  | 17                | 16  | 19  |
| Associate's or no-degree                        | 27                | 20  | 42  | 9                 | 8   | 11  |
| Recovery support staff<br>SOURCE: N-SSATS 2016. | 47                | 36  | 72  | 16                | 15  | 18  |

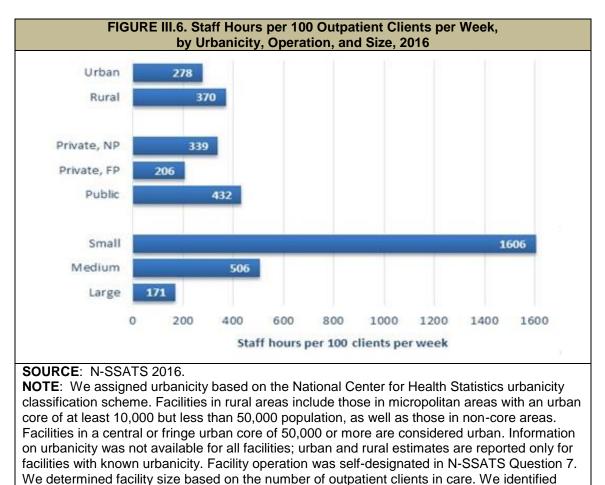


#### SOURCE: N-SSATS 2016.

**NOTE**: We identified facilities as providing outreach if they said they offered outreach to persons who may need treatment (SRVC91 = 1). We identified facilities as providing recovery support services if they provided social skills development, mentoring/peer support, assistance in obtaining social services, employment counseling or training, or assistance in locating housing (SRVC96 = 1, SRVC97 = 1, SRVC36 = 1, SRVC39 = 1, and SRVC38 = 1). We determined facility focus based on responses to Question 6.

Unsurprisingly, when we examined disparities across facilities in staff hours per 100 clients per week based on differences in services offered (Table B.13), facilities that reported providing supplemental services such as outreach to individuals in the community who may need treatment and recovery support services averaged higher

staff hours per 100 clients per week (Figure III.5). Most striking were the differences based on facility primary focus. Those that reported a dual focus on mental health and substance abuse treatment (405 hours per 100 clients per week) or primarily mental health treatment (1,000 hours per 100 clients per week) reported substantially higher staff hours per 100 clients per week relative to those whose focus was primarily SUD treatment (193 hours per 100 clients per week).



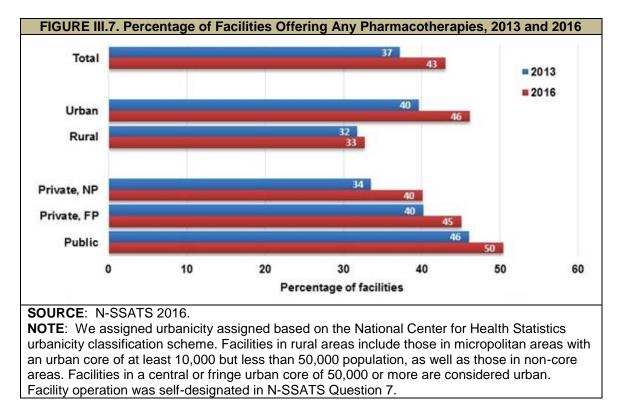
There were also substantial differences in staff hours per 100 clients per week based on facility characteristics such as urbanicity and size (Table B.14). Some of these differences may result from economies of scale achieved in larger facilities. For example, rural facilities and those with fewer clients used substantially more staff hours per 100 clients (Figure III.6). There were also substantial differences based on facility operation. These differences may be related to differences in facility mission that align with operation. Public facilities often serve as the providers of last resort and serve clients with comorbid conditions and limited social and economic supports. Thus, it is not surprising that public facilities reported the highest numbers of hours per 100 clients (432 hours per 100 clients per week) followed by non-profit facilities (339 hours per 100 clients per week).

facilities below the 25th and above the 75th percentiles for client count as small and large,

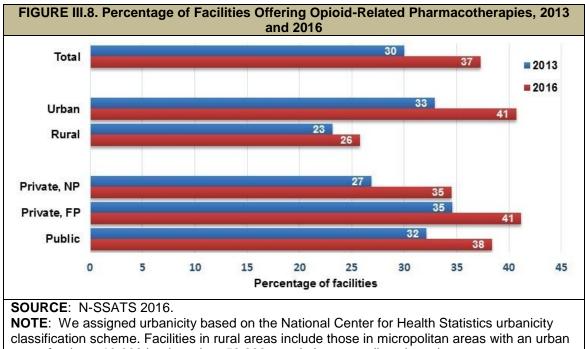
respectively. We designated the remaining facilities as medium.

#### 2. What Proportion of Facilities Provide Pharmacotherapy?

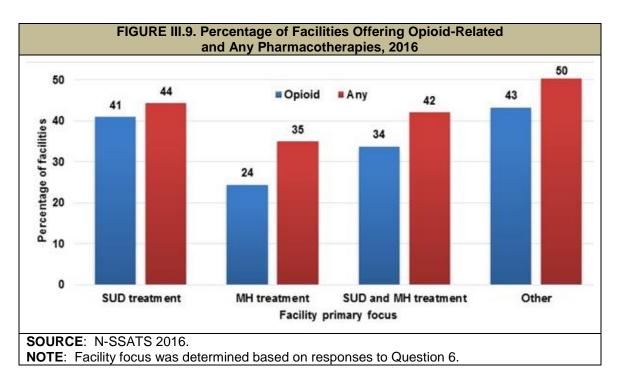
Pharmacotherapy has been demonstrated to be both clinically and cost effective for alcohol and opioid disorders (Mann et al. 2014; Baser et al. 2011). Although there is strong evidence that use of pharmacotherapy in managing SUDs provides substantial cost savings, this approach is not widespread. The proportion of facilities offering any pharmacotherapy, including those related to opioid use, has expanded in recent years as efforts to improve the quality of SUD treatment have focused on promoting its use. Overall, in urban and rural areas and across all facility operation types, the percentage of facilities offering any pharmacotherapies and specifically, opioid-related pharmacotherapies, has increased modestly from 2013 to 2016 (Figure III.7 and Figure III.8). Overall, however, only 43 percent of facilities offered any pharmacotherapies in 2016.



Facility primary focus is associated with the availability of pharmacotherapies. Facilities indicating their primary focus was mental health treatment were substantially less likely to offer any pharmacotherapies (35 percent) than their counterparts focusing on SUDs (44 percent) or SUDs and mental health treatment (42 percent) (Figure III.9). This difference was more substantial when we assessed provision of pharmacotherapies for opioid-related disorders. Only 24 percent of facilities focusing on mental health treatment offered pharmacotherapy for opioid disorders. In contrast, 41 percent and 34 percent of facilities focusing on SUD treatment and SUD and mental health treatment, respectively, provided opioid-related pharmacotherapies.



core of at least 10,000 but less than 50,000 population, as well as those in non-core areas. Facilities in a central or fringe urban core of 50,000 or more are considered urban. Facility operation was self-designated in N-SSATS Question 7.



According to the SAMHSA-HRSA Center for Integrated Health Solutions (2014), several barriers limit the use of pharmacotherapy. These barriers include lack of available prescribers, agency regulatory policies that restrict or forbid pharmacotherapy use, provider workforce attitudes, insurer limits on dosages prescribed (that is, annual

or lifetime medication limits), insurer authorization requirements, requirements that behavioral therapies be tried first, lack of support staff for providers administering pharmacotherapy, and inconsistent credentialing or licensure requirements for counseling staff to be reimbursed for pharmacotherapy-related services. Cunningham et al. (2009) identified somewhat different obstacles to widespread adoption of pharmacotherapy, including regulatory restrictions, lack of access to medical personnel trained in delivering such treatment, and physician reluctance. Friedman et al. (2012) identified lack of qualified medical staff as a reason for lack of pharmacotherapy in the criminal justice system. Roman et al. (2011) asserted that limited knowledge about SUD treatment medications among the public hinders its use. Mass media advertising of prescription medications for other health conditions has accelerated use of those medications; broader public knowledge of the benefits of pharmacotherapy for SUDs could encourage its more widespread use.

Mark et al. (2015) demonstrated how Medicaid coverage restrictions can be a substantial barrier to provision of pharmacotherapy. They analyzed data from 2013 Medicaid pharmacy documents, 2011 and 2012 Medicaid state drug utilization records, and a 2013 American Society of Addiction Medicine survey. Only 13 state Medicaid programs included all medications approved for alcohol and opioid dependence on their preferred drug lists. The most commonly excluded were extended-release naltrexone (19 programs), acamprosate (19 programs), and methadone (20 programs). Almost all Medicaid programs required prior authorization for combined buprenorphine-naloxone and had lifetime limits.

Many of the barriers to expansion of pharmacotherapy are related to the workforce. The number of medical staff qualified to provide pharmacotherapy services and the staff supporting them needs to increase for pharmacotherapy provision to expand. Training primary care providers to provide pharmacotherapy in primary care or other integrated care settings such as HIV or mental health clinics can improve treatment access and abstinence at six months (NIDA 2017; Korthuis et al. 2017). Primary care providers can act independently or work collaboratively with SUD treatment specialist in these models. In addition to increasing the number of gualified providers workforce attitudes toward pharmacotherapy, such as requiring behavioral therapies be tried first, need to change to attain widespread adoption. Last, consistent credentialing and licensure requirements are needed across states and insurers for professionals providing pharmacotherapy services. The HHS Opioid Strategy announced in April 2017 aims to continue the department's efforts to improve access to "treatment, and recovery services, including the full range of medication-assisted treatments" (HHS 2017); also, despite the barriers, the ACA has resulted in expansions in the number of physicians waivered to prescribe buprenorphine (Knudsen et al. 2015).

## 3. What is the Utilization Rate for Residential and Inpatient Beds Designated for SUD Treatment?

The N-SSATS reports the number of beds designated for SUD treatment in residential and inpatient hospital specialty treatment settings. Capacity in these care

settings can be assessed by estimating a utilization rate based on the number of clients in care relative to the number of designated beds. Facilities providing outpatient care generally do not have a consistent definition of available capacity. Thus, we were not able to assess utilization rates in outpatient settings.

Despite increases in designated beds, treatment capacity in the residential and inpatient hospital settings appears insufficient to meet demand in 2015 (Table B.17). Nationally, there was a 4 percent increase in designated residential beds and a 26 percent increase in inpatient hospital beds between 2013 and 2015. Despite these increases, the utilization rate for residential beds increased from 97 percent to 106 percent and that for inpatient hospital beds from 97 percent to 109 percent.<sup>11</sup> In 18 states, residential bed utilization rates across all facilities were over 100 percent in 2015; the same number of states had inpatient bed utilization rates over 100 percent.

### C. What is the Current Capacity of SUD Treatment Organizations to Participate in Efforts to Integrate SUD Treatment within the Broader Health Care System? To What Degree are SUD Treatment Providers Used to Billing Medicaid?

Many SUD treatment providers have traditionally relied on grant funding. As potential clients obtain insurance coverage as a result of insurance coverage expansions, there is concern that providers are not prepared to accept Medicaid and private insurance. The N-SSATS annually asks specialty SUD treatment facilities what forms of payment they accept for services. The facilities represented in the N-SSATS are a census of public and private facilities with SUD treatment programs, including hospital, residential, and outpatient treatment providers. These facilities account for the majority of SUD treatment spending in the United States. Table III.2 identifies the percentage of these facilities that reported accepting private health insurance and Medicaid coverage in 2013 and 2016. Between 2013 and 2016, there was a small increase in the percentage of facilities accepting private health insurance (66 percent in 2013 versus 70 percent in 2016) and Medicaid insurance (60 percent in 2013 versus 63 percent in 2016). Small proportional increases in insurance acceptance occurred in all regions and across all facility types except "any inpatient setting." It is notable that there was no change in Medicaid acceptance in states that had less than a 10 percent increase in Medicaid enrollment or in "any inpatient setting."

<sup>&</sup>lt;sup>11</sup> Utilization rate is calculated by dividing the number of clients in care by the total number of designated beds. The utilization rate will exceed 100 percent when clients are placed in beds not specifically designated for substance use treatment.

| TABLE III.2. Perce                |                 |                               |                |              |              |            |
|-----------------------------------|-----------------|-------------------------------|----------------|--------------|--------------|------------|
| Facility Type                     |                 | portion Acce<br>te Health Ins |                | Proportio    | on Accepting | y Medicaid |
|                                   | 2013            | 2016                          | % Change       | 2013         | 2016         | % Change   |
| Total                             | 66              | 70                            | 4              | 60           | 63           | 5          |
| Urbanicity                        |                 |                               |                |              |              |            |
| Urban                             | 64              | 67                            | 4              | 56           | 59           | 4          |
| Rural                             | 71              | 76                            | 8              | 67           | 74           | 11         |
| Region                            |                 |                               |                |              |              |            |
| Northeast                         | 70              | 73                            | 4              | 77           | 78           | 1          |
| Midwest                           | 76              | 78                            | 2              | 64           | 67           | 5          |
| South                             | 61              | 63                            | 4              | 56           | 58           | 3          |
| West                              | 60              | 64                            | 8              | 47           | 51           | 9          |
| States in which Medicaid enrollme | nt increased mo | re than 10%                   | petween Januar | y 2014 and J | anuary 2015  | -          |
| Yes                               | 63              | 66                            | 5              | 53           | 59           | 10         |
| No                                | 69              | 71                            | 4              | 65           | 65           | 0          |
| Operation                         |                 |                               |                |              |              |            |
| Private NP                        | 66              | 68                            | 2              | 69           | 71           | 4          |
| Private FP                        | 64              | 69                            | 8              | 41           | 45           | 10         |
| Public                            | 65              | 67                            | 3              | 62           | 67           | 8          |
| Facility Setting                  | •               |                               |                |              | •            | -          |
| Outpatient only                   | 67              | 70                            | 4              | 63           | 66           | 5          |
| Residential only                  | 46              | 50                            | 9              | 40           | 41           | 4          |
| Residential and outpatient        | 71              | 74                            | 5              | 51           | 54           | 7          |
| Any inpatient hospital            | 93              | 92                            | -1             | 86           | 86           | 0          |

SOURCE: N-SSATS, 2013 (Question 25) and 2016 (Question 27).

**NOTE**: We calculated the percentage of facilities accepting private insurance and Medicaid by dividing the number of facilities reporting that they accept the indicated insurance type by the total number of facilities in the various categories. We excluded United States territories from the "Region" and "States in which Medicaid enrollment increased more than 10% between January 2014 and January 2015." We assigned urbanicity based on the National Center for Health Statistics urbanicity classification scheme. Facilities in rural areas include those in micropolitan areas with an urban core of at least 10,000 but less than 50,000 population, as well as those in non-core areas. Facilities in a central or fringe urban core of 50,000 or more are considered urban. Facility operation was self-designated in N-SSATS Question 4 in 2013 and Question 7 in 2016.

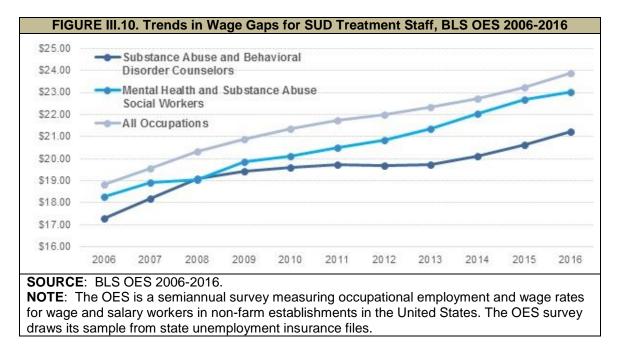
## D. How Have Wages for SUD Treatment Staff Changed Over the Last Decade?

Although most SUD counselors and social workers hold post-graduate degrees, average hourly wages for SUD treatment professionals are substantially lower than the average wage for all occupations. BLS collects hourly wage data in its Occupation Employment Survey (OES), including the following two occupational categories that include SUD counselors and social workers: (1) substance abuse and behavioral disorder counselors; and (2) mental health and substance abuse social workers. Wages for these two occupations have been below the average for all occupations for the last decade (Figure III.10). Trends in wage growth over the last decade resulted in expansion of these wage gaps for SUD treatment professionals, particularly substance abuse counselors:

- **2006 to 2009.** Wages *increased substantially* for all occupations (3.5 percent annually) and for the occupations including SUD counselors (4.0 percent annually) and social workers (2.8 percent annually).
- 2009 to 2012. Wages of substance abuse counselors lost ground relative to other occupations, as there was *little wage growth* for the occupation category

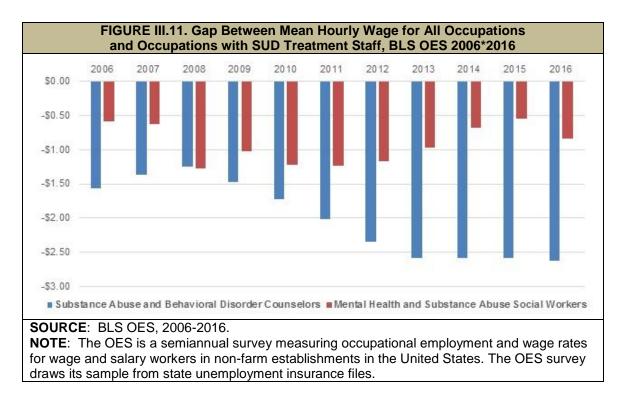
including them (0.4 percent annually). Wage growth continued for other occupations (1.7 percent annually), including substance abuse social workers (1.6 percent annually), albeit at a slower rate than in previous years. The lack of growth in this period was likely due to the economic recession and associated reductions in state revenue.

• 2012 and 2016. *Slow wage growth continued* for all occupations and those including SUD counselor and social worker occupation categories (about 1.8 percent annually). Wage growth for substance abuse counselors increased at the same rate as other occupations but did not make up for losses in wages relative to other occupations that occurred during the recession.



Over the last decade, these wage growth trends resulted in an expansion of the gap between the mean wage for all occupations and that for the occupation including SUD treatment counselors (from \$1.56 to \$2.63 per hour). The wage gap for social workers relative to other occupations has fluctuated over the years (from about \$0.54 in 2015 to about \$1.27 in 2008) (Figure III.11).

To provide specific example of wages for alternative career paths, we selected two health care professions requiring similar or fewer years of education. In 2016, the mean hourly wages for SUD counselors were \$5 and \$13 lower, respectively, than those for marriage and family therapists and registered nurses.



The SUD treatment field's current high turnover rate is commonly attributed to inadequate compensation. Compensation for behavioral health professionals is significantly lower than for other health and non-health professions requiring similar levels of training (Hyde 2013; Bukach 2017). The clinical directors interviewed as part of the national Vital Signs survey of specialty SUD treatment facilities noted that low compensation makes hiring and retaining qualified staff a challenge (Ryan et al. 2012). Efforts to increase the labor supply in the SUD treatment field through training programs without an associated increase in reimbursement for services through insurance or other funding sources are likely to result in reduced wage levels and even lower retention as individuals in the SUD treatment field recognize the potential to increase their earnings by shifting to other professions.

### **IV. DISCUSSION**

Policymakers at all levels of government have targeted increasing SUD treatment use to address escalating drug overdose deaths related to the opioid epidemic and improve societal welfare. Meanwhile, rates of SUD treatment use generally have been constant for more than a decade despite the substantial recent increase in insurance coverage for SUD treatment. Individuals with SUD treatment needs overwhelmingly indicate that they do not feel a need for treatment and, even among the small minority who believe that they might benefit from treatment, most make no effort to obtain it. Thus, expanding treatment use will require a multifaceted approach including increasing public awareness of treatment effectiveness, reducing stigma associated with SUD treatment, addressing financial barriers, and increasing primary care physicians' role in screening, treatment and referral.

On the supply side, low wage rates for SUD treatment professionals are associated with high turnover and difficulty in hiring qualified staff. Individuals trained to provide SUD treatment quickly move on to other professions that offer better working conditions, wages, and benefits (Hyde 2013; Ryan et al. 2012; Bukach 2017). There is also concern that low treatment reimbursement rates and restrictions on SUD treatment coverage under Medicaid may be a barrier to expanding treatment in some states (Dickson 2015).

Overall, the role of Medicaid in funding SUD treatment services has expanded since 2014 although many of the individuals who gained Medicaid coverage would have received SUD treatment through another funding source such as state and local funding or federal block grants. In parallel to this shift in funding source there has been a shift from care provision in publicly operated facilities to increased use of privately operated facilities. There is an opportunity for policymakers to redirect the public funding and resources to activities encouraging expanded treatment use and providing a continuum of care that addresses the chronic nature of SUDs. Likewise state Medicaid programs have the potential to play an important role in transforming the SUD treatment system and HHS Centers for Medicare and Medicaid Services (CMS) is taking an active role encouraging states to make reforms. CMS is conducting an Innovation Accelerator Program (IAP) to support state efforts to expand SUD treatment under Medicaid. The IAP supports efforts to improve care quality and continuity, enhance performance monitoring capacity, identify beneficiaries in need of treatment, develop a continuum of care that addresses the variety treatment needs and the chronic nature of SUDs, and target reimbursement models to incentivize better outcomes (CMS 2017). In addition, CMS has been working with states to improve access to and quality of SUD treatment through Medicaid Section 1115 demonstrations (CMS 2017b).

The impact of a number of recent federal efforts to increase SUD treatment use and the quality of SUD treatment services is not fully captured in the data available for this study. The initiatives include the CMS IAP program as well as several SAMHSA grant programs intended to expand access to SUD treatment (McCance-Katz et al. 2017). The Opioid State Targeted Response grants provided \$485 million to states and United States territories in fiscal year 2017 primarily to expand treatment, recovery support and prevention activities. The Medication-Assisted Treatment for Prescription Drug and Opioid Addiction program expands pharmacotherapy access by providing grants to states with the highest rates of treatment admissions for opioid addiction. There are also a number of federally-funded efforts to expand access to SUD screening and treatment in primary care settings and rural areas including integrating SUD treatment into community mental health centers, use of telemedicine, efforts to educate primary care providers, and expansion of buprenorphine waivered primary care providers and the number of patients that can be treated under each waiver. Future years of data should be monitored to assess the impact of these initiatives.

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### **APPENDIX A. DATA SOURCES**

In this appendix, we provide a brief description of the three data sources we used to develop the analyses in this report.

## A. National Survey of Substance Abuse Treatment Services (N-SSATS)

The N-SSATS is an ideal source for analyzing trends in clients who are receiving specialty SUD treatment as well as trends in SUD treatment facility characteristics. It is an annual survey of the universe of specialty SUD treatment facilities. Counts of clients in care (on the last working day in March of each survey year) were collected annually through 2013 and biannually thereafter. Key strengths of the survey include its comprehensiveness in terms of the inclusion of facilities and the types of information collected. The N-SSATS, which includes all known specialty SUD treatment facilities in the United States, consistently achieves response rates greater than 90 percent. This allows for detailed analysis of small states or subgroups.

The N-SSATS data, however, are limited in several ways. Specifically, N-SSATS excludes non-specialty providers, solo practitioners, and facilities serving only criminal justice populations. The exclusion of solo practitioners might be particularly important to analysis of programs such as those implementing Hub and Spoke models, which seek to increase treatment access at non-specialty providers. The exclusion of facilities that target only criminal justice populations might limit the potential for analyzing programs that target people exiting criminal justice institutions; however, many of these people might be served by facilities included in N-SSATS. N-SSATS does include information on whether facilities have programs that focus on criminal justice clients (excluding programs for those convicted of driving under the influence/driving while intoxicated).

The N-SSATS estimates presented in this report were directly extracted from N-SSATS reports and special tabulations. We summarize the data presented in those reports or present tabulations produced by the SAMHSA from the workforce questions and other questions included in the N-SSATS 2016 survey. For example, Mathematica assigned states to a category identifying "States in which Medicaid enrollment increased more than 10 percent between January 2014 and January 2015" or not based on Medicaid enrollment reports. Then client counts from the N-SSATS reports were summarized for the states in each group to produce the estimates for these categories reported in Appendix B.

### B. National Survey on Drug Use and Health (NSDUH)

The NSDUH is designed to track the prevalence of SUDs in the United States by type of substance. The NSDUH is an annual survey of the civilian, non-institutionalized population ages 12 and older in the United States. As a population survey, it provides the most comprehensive information about the number of people who meet diagnostic criteria for an SUD, who misuse prescription opioids, and who have accessed any SUD treatment service in the past year. The NSDUH includes a sufficient sample of respondents to develop state-level estimates when two years of survey data are combined; however, standard errors for estimates are often quite large for smaller states, making it impossible to identify small changes in disorder prevalence or treatment use.

There are a number of limitations to the NSDUH survey data. NSDUH provides limited information on the type of substance use treatment services received and no information on the intensity of services that respondents received. The survey excludes people who are homeless and not in a shelter, as well as those who are institutionalized, including those residing in hospitals, residential treatment settings, jails, or prisons. NSDUH does include individuals who have been released from prison or institutional care. Overall, estimates of the prevalence of alcohol and illicit drug use disorders based on the NSDUH reflect the household population only, and thus, are likely to understate national prevalence since groups with high prevalence are excluded. In addition to the exclusion of the subpopulations that have higher prevalence of SUDs (Office of Applied Studies 2002), the self-reported nature of the data collection likely results in some underreporting (Harrell 1997).

SAMHSA redesigned the NSDUH between the 2014 and 2015 surveys. Due to methodological changes associated with the redesign estimates from 2015 and later years are not comparable to earlier years. Updates to the prescription drug questions were a key component of the redesign (Center for Behavioral Health Statistics and Quality 2015):

- Beginning in 2015, prescription drug questions were restructured to collect more information on use and misuse of specific prescription drugs. The definition of misuse was also changed with respondents being given more specific examples of misuse. In particular, prior to 2015 the definition of misuse did not include overuse of prescribed medication.
- Methamphetamine was included as a prescription stimulant prior to 2015. However, most methamphetamine that is used in the United States is manufactured illegally, not prescribed. Therefore, beginning in 2015, a new methamphetamine module was added to address both prescription and nonprescribed use.

• To help respondents categorize substances, the term "Molly" was added to questions about Ecstasy use in the hallucinogens module and use of felt tip pens and computer keyboard cleaner were added to the inhalants module.

The redesign also affected the abuse and dependence modules in the following key ways:

- The logic for routing individuals to the substance abuse and dependence modules was updated.
- Sedative withdrawal was updated to require two or more symptoms of withdrawal instead of one or more.
- Dependence and abuse questions were added for methamphetamine.

The NSDUH estimates presented in this report were directly extracted from NSDUH reports prepared by SAMHSA or summarize data presented in those reports, with the exception of the analysis of Medicaid coverage in Section II.D.

### C. Treatment Episode Data Set (TEDS)

Relative to the N-SSATS and the NSDUH, the TEDS provides more detailed information on treatment services and the characteristics of clients at admission and discharge. The TEDS aggregates admissions data collected in individual state administrative data systems. States collect these data to monitor their SUD treatment systems. Reporting requirements can vary substantially by state. Generally, facilities that receive public funds or that are licensed or certified by a state substance abuse agency are included in the state administrative systems. The universe of their admissions is reported to TEDS. The scope of facilities reporting in a given state may change over time.

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### **APPENDIX B. DETAILED TABLES**

|                 | TABLE B.1        | . Distributi      | ion of Spec      | ialty Treat     | ment Rece        | ipt by Geo | graphic Lo | cation and  | Type of Se | ervice, 201 | 3 and 2015 | 5        |
|-----------------|------------------|-------------------|------------------|-----------------|------------------|------------|------------|-------------|------------|-------------|------------|----------|
| Geographic      |                  | Total             |                  |                 | Outpatient       |            |            | Residential |            |             | Inpatient  |          |
| Area            | 2013             | 2015              | % Change         | 2013            | 2015             | % Change   | 2013       | 2015        | % Change   | 2013        | 2015       | % Change |
| Total           | 1,249,629        | 1,305,647         | 4.5              | 1,127,235       | 1,161,456        | 3.0        | 107,727    | 119,900     | 11.3       | 14,667      | 24,291     | 65.6     |
| States in which | Medicaid enrollm | nent increased mo | ore than 10% bet | ween January 20 | 14 and January 2 | 015        |            |             |            |             |            |          |
| Yes             | 595,725          | 632,949           | 6.2              | 541,402         | 570,134          | 5.3        | 48,288     | 51,953      | 7.6        | 6,035       | 10,862     | 80.0     |
| No              | 638,421          | 661,025           | 3.5              | 573,454         | 583,257          | 1.7        | 56,877     | 64,933      | 14.2       | 8,090       | 12,835     | 58.7     |
| Region          |                  |                   |                  |                 |                  |            |            |             |            |             |            |          |
| Northeast       | 320,089          | 333,922           | 4.3              | 290,975         | 298,862          | 2.7        | 24,956     | 26,535      | 6.3        | 4,158       | 8,525      | 105.0    |
| Midwest         | 257,983          | 262,161           | 1.6              | 234,244         | 240,128          | 2.5        | 21,603     | 19,539      | -9.6       | 2,136       | 2,494      | 16.8     |
| South           | 345,446          | 377,894           | 9.4              | 308,139         | 328,054          | 6.5        | 31,593     | 40,582      | 28.5       | 5,714       | 9,258      | 62.0     |
| West            | 310,628          | 319,997           | 3.0              | 281,498         | 286,347          | 1.7        | 27,013     | 30,230      | 11.9       | 2,117       | 3,420      | 61.5     |
| Urbanicity      |                  |                   |                  |                 |                  |            |            |             |            |             |            |          |
| Urban           | 954,890          | 1,103,406         | 15.6             | 860,436         | 979,226          | 13.8       | 83,150     | 102,633     | 23.4       | 11,304      | 21,547     | 90.6     |
| Rural           | 279,167          | 190,478           | -31.8            | 254,331         | 174,075          | -31.6      | 22,015     | 14,253      | -35.3      | 2,821       | 2,150      | -23.8    |
| Operation       |                  |                   |                  |                 |                  |            |            |             |            |             |            |          |
| Private, NP     | 638,858          | 670,593           | 5.0              | 553,157         | 570,450          | 3.1        | 79,714     | 88,260      | 10.7       | 5,987       | 11,883     | 98.5     |
| Private, FP     | 430,362          | 475,531           | 10.5             | 407,562         | 447,302          | 9.8        | 17,292     | 21,375      | 23.6       | 5,508       | 6,854      | 24.4     |
| Public          | 180,409          | 159,523           | -11.6            | 166,516         | 143,704          | -13.7      | 10,721     | 10,265      | -4.3       | 3,172       | 5,554      | 75.1     |

SOURCE: N-SSATS 2013 and 2015.

**NOTE**: Inpatient and residential client counts represent the number of clients receiving services on March 31 of the indicated year (see Questions 28a and 29a in N-SSATS 2013 and Questions 29a and 30a in N-SSATS 2015). Outpatient client counts represent the number of clients who received outpatient services in March of the indicated year and who were still enrolled in care at the facility where they received those services on March 31 (see Question 30a in N-SSATS 2013 and Question 31a in N-SSATS 2015). Total clients is the sum of inpatient, residential, and outpatient clients. United States territories are excluded from the categories for: (1) region; and (2) states in which Medicaid enrollment increased more than 10% between January 2014 and January 2015. The percent increase in Medicaid enrollment for each state was determined based on Medicaid enrollment reports. Therefore, the totals for these categories are lower than the reported total in the first line of the table. Urbanicity is assigned based on the National Center for Health Statistics urbanicity classification scheme. Facilities in rural areas include those in micropolitan areas with an urban core population of at least 10,000 but less than 50,000, as well as those in non-core areas. Facilities in a central or fringe urban core with a population of 50,000 or more are considered urban. Information on urbanicity was not available for all facilities; urban and rural client counts are only reported for facilities with known urbanicity. Facility operation was self-designated in N-SSATS Question 4 in 2013 and Question 7 in 2015.

|                         | TAE   | 3LE B.2. [ | Distributio | on of Spec | ialty Treat | tment Red  | eipt by St | tate and T | ype of Se   | rvice, 2013 | 3 and 201 | 5         |          |
|-------------------------|---|------------|-------------|------------|-------------|------------|------------|------------|-------------|-------------|-----------|-----------|----------|
|                         | % Change  |            | Total       |            |             | Outpatient |            |            | Residential |             |           | Inpatient |          |
| State                   | in Medicaid<br>Enrollment<br>(Jan 2014 to<br>Jan 2015) <sup>a</sup> | 2013       | 2015        | % Change   | 2013        | 2015       | % Change   | 2013       | 2015        | % Change    | 2013      | 2015      | % Change |
| Total                   | 14.1  | 1,249,629  | 1,305,647   | 4.5        | 1,127,235   | 1,161,456  | 3.0        | 107,727    | 119,900     | 11.3        | 14,667    | 24,291    | 65.6     |
| Alabama                 | 8.9   | 15,089     | 14,548      | -3.6       | 13,632      | 13,125     | -3.7       | 1,205      | 1,391       | 15.4        | 252       | 32        | -87.3    |
| Alaska                  | 7.0   | 3,900      | 3,363       | -13.8      | 3,531       | 2,932      | -17.0      | 359        | 431         | 20.1        | 10        | NA        | NA       |
| Arizona                 | 22.8  | 31,832     | 33,978      | 6.7        | 29,449      | 30,671     | 4.1        | 2,016      | 2,845       | 41.1        | 367       | 462       | 25.9     |
| Arkansas                | 9.7   | 5,927      | 7,154       | 20.7       | 5,124       | 4,704      | -8.2       | 715        | 2,415       | 237.8       | 88        | 35        | -60.2    |
| California              | 24.0  | 117,159    | 111,961     | -4.4       | 101,899     | 95,834     | -6.0       | 14,300     | 14,156      | -1.0        | 960       | 1,971     | 105.3    |
| Colorado                | 26.5  | 42,256     | 34,793      | -17.7      | 40,306      | 33,452     | -17.0      | 1,804      | 1,186       | -34.3       | 146       | 155       | 6.2      |
| Connecticut             | 4.1   | 33,267     | 37,817      | 13.7       | 31,148      | 35,970     | 15.5       | 1,823      | 1,540       | -15.5       | 296       | 307       | 3.7      |
| Delaware                | 3.4   | 5,278      | 10,327      | 95.7       | 4,969       | 6,495      | 30.7       | 170        | 3,800       | 2135.3      | 139       | 32        | -77.0    |
| District of<br>Columbia | 9.1   | 3,833      | 2,824       | -26.3      | 3,324       | 2,392      | -28.0      | 468        | 431         | -7.9        | 41        | 1         | -97.6    |
| Florida                 | 9.1   | 53,641     | 63,287      | 18.0       | 45,069      | 51,823     | 15.0       | 7,786      | 8,531       | 9.6         | 786       | 2,933     | 273.2    |
| Georgia                 | 1.3   | 24,003     | 25,379      | 5.7        | 21,630      | 22,845     | 5.6        | 2,062      | 1,987       | -3.6        | 311       | 547       | 75.9     |
| Hawaii                  | 2.5   | 5,205      | 5,768       | 10.8       | 4,820       | 5,113      | 6.1        | 385        | 611         | 58.7        | NA        | 44        | NA       |
| Idaho                   | 2.3   | 6,619      | 6,287       | -5.0       | 6,467       | 6,125      | -5.3       | 137        | 148         | 8.0         | 15        | 14        | -6.7     |
| Illinois                | 14.5  | 42,945     | 44,616      | 3.9        | 39,856      | 41,234     | 3.5        | 2,876      | 3,176       | 10.4        | 213       | 206       | -3.3     |
| Indiana                 | 7.0   | 28.288     | 25,465      | -10.0      | 27,466      | 23,861     | -13.1      | 531        | 930         | 75.1        | 291       | 674       | 131.6    |
| lowa                    | 4.0   | 9,731      | 8,975       | -7.8       | 8,946       | 8,180      | -8.6       | 738        | 747         | 1.2         | 47        | 48        | 2.1      |
| Kansas                  | -1.5  | 10,863     | 11,471      | 5.6        | 9,916       | 10,603     | 6.9        | 935        | 834         | -10.8       | 12        | 34        | 183.3    |
| Kentucky                | 16.5  | 24,071     | 23,565      | -2.1       | 21,175      | 20,697     | -2.3       | 2,509      | 2,347       | -6.5        | 387       | 521       | 34.6     |
| Louisiana               | 4.8   | 9,903      | 12,011      | 21.3       | 8,241       | 9,930      | 20.5       | 1,464      | 1,765       | 20.6        | 198       | 316       | 59.6     |
| Maine                   | -5.4  | 11,373     | 10,849      | -4.6       | 10,865      | 10,483     | -3.5       | 362        | 289         | -20.2       | 146       | 77        | -47.3    |
| Maryland                | 14.0  | 42,128     | 46,913      | 11.4       | 39,992      | 44,659     | 11.7       | 1,704      | 1,989       | 16.7        | 432       | 265       | -38.7    |
| Massachusetts           | 12.8  | 44,133     | 45,438      | 3.0        | 40.227      | 40,734     | 1.3        | 3,171      | 3,602       | 13.6        | 735       | 1,102     | 49.9     |
| Michigan                | 23.0  | 47,749     | 46,781      | -2.0       | 42,045      | 43,577     | 3.6        | 5,241      | 3,043       | -41.9       | 463       | 161       | -65.2    |
| Minnesota               | 7.0   | 18,034     | 19,235      | 6.7        | 14,223      | 15,676     | 10.2       | 3,753      | 3,487       | -7.1        | 58        | 72        | 24.1     |
| Mississippi             | 0.6   | 6,726      | 4,699       | -30.1      | 5,360       | 3,547      | -33.8      | 994        | 841         | -15.4       | 372       | 311       | -16.4    |
| Missouri                | -17.1   | 23,028     | 25,015      | 8.6        | 21,600      | 22,590     | 4.6        | 1,279      | 2,223       | 73.8        | 149       | 202       | 35.6     |
| Montana                 | 17.9  | 4,429      | 5,064       | 14.3       | 3,809       | 4,785      | 25.6       | 488        | 187         | -61.7       | 132       | 92        | -30.3    |
| Nebraska                | 1.6   | 6,374      | 5,735       | -10.0      | 5,690       | 4,909      | -13.7      | 684        | 824         | 20.5        | NA        | 2         | NA       |
| Nevada                  | 42.0  | 7,048      | 6,930       | -1.7       | 6,403       | 6,179      | -3.5       | 492        | 487         | -1.0        | 153       | 264       | 72.5     |
| New<br>Hampshire        | 30.1  | 6,702      | 8,164       | 21.8       | 6,326       | 7,766      | 22.8       | 367        | 394         | 7.4         | 9         | 4         | -55.6    |
| New Jersey              | 26.1  | 36,605     | 36,708      | 0.3        | 33,068      | 32,578     | -1.5       | 2,813      | 3,404       | 21.0        | 724       | 726       | 0.3      |
| New Mexico              | 15.7  | 12,868     | 15,062      | 17.1       | 10,949      | 14,499     | 32.4       | 1,808      | 449         | -75.2       | 111       | 114       | 2.7      |
| New York                | 9.7   | 114,660    | 113,713     | -0.8       | 103,167     | 101,982    | -1.1       | 9,839      | 9,986       | 1.5         | 1,654     | 1,745     | 5.5      |
| North Carolina          | 3.2   | 40.575     | 42,026      | 3.6        | 37,394      | 38,374     | 2.6        | 2,481      | 3,196       | 28.8        | 700       | 456       | -34.9    |
| North Dakota            | 9.0   | 1,785      | 2,404       | 34.7       | 1,222       | 1,949      | 59.5       | 510        | 396         | -22.4       | 53        | 59        | 11.3     |
| Ohio                    | 25.2  | 37,262     | 45,129      | 21.1       | 34,397      | 42,006     | 22.1       | 2,365      | 2,406       | 1.7         | 500       | 717       | 43.4     |
| Oklahoma                | 0.6   | 16,700     | 16,783      | 0.5        | 15,356      | 15,512     | 1.0        | 1,204      | 1,171       | -2.7        | 140       | 100       | -28.6    |

|                  |   |        |        |          | TA     | BLE B.2 (  | continued | )     |             |          |      |           |          |
|------------------|---|--------|--------|----------|--------|------------|-----------|-------|-------------|----------|------|-----------|----------|
|                  | % Change  |        | Total  |          |        | Outpatient |           |       | Residential |          |      | Inpatient |          |
| State            | in Medicaid<br>Enrollment<br>(Jan 2014 to<br>Jan 2015) <sup>a</sup> | 2013   | 2015   | % Change | 2013   | 2015       | % Change  | 2013  | 2015        | % Change | 2013 | 2015      | % Change |
| Oregon           | 25.0  | 21,898 | 30,401 | 38.8     | 20,537 | 29,047     | 41.4      | 1,299 | 1,258       | -3.2     | 62   | 96        | 54.8     |
| Pennsylvania     | 4.1   | 57,715 | 59,584 | 3.2      | 52,011 | 53,822     | 3.5       | 5,245 | 5,433       | 3.6      | 459  | 329       | -28.3    |
| Puerto Rico      | NA  | 15,169 | 11,358 | -25.1    | 12,119 | 7,817      | -35.5     | 2,511 | 2,971       | 18.3     | 539  | 570       | 5.8      |
| Rhode Island     | 23.2  | 10,404 | 14,269 | 37.1     | 10,039 | 9,005      | -10.3     | 323   | 1,723       | 433.4    | 42   | 3,541     | 8,331.0  |
| South Carolina   | -2.8  | 15,824 | 18,236 | 15.2     | 14,906 | 16,473     | 10.5      | 552   | 614         | 11.2     | 366  | 1,149     | 213.9    |
| South Dakota     | 2.5   | 3,267  | 2,964  | -9.3     | 2,569  | 2,308      | -10.2     | 623   | 585         | -6.1     | 75   | 71        | -5.3     |
| Tennessee        | 13.4  | 14,149 | 22,445 | 58.6     | 11,698 | 20,187     | 72.6      | 2,010 | 1,994       | -0.8     | 441  | 264       | -40.1    |
| Texas            | 6.3   | 34,704 | 35,293 | 1.7      | 28,843 | 26,984     | -6.4      | 5,065 | 6,391       | 26.2     | 796  | 1,918     | 141.0    |
| Utah             | 0.5   | 12,586 | 12,496 | -0.7     | 11,183 | 11,070     | -1.0      | 1,389 | 1,379       | -0.7     | 14   | 47        | 235.7    |
| Vermont          | 8.2   | 5,230  | 7,380  | 41.1     | 4,124  | 6,522      | 58.1      | 1,013 | 164         | -83.8    | 93   | 694       | 646.2    |
| Virginia         | -6.8  | 22,838 | 22,305 | -2.3     | 21,879 | 20,807     | -4.9      | 712   | 1,174       | 64.9     | 247  | 324       | 31.2     |
| Washington       | 24.2  | 42,030 | 50,633 | 20.5     | 39,680 | 43,724     | 10.2      | 2,210 | 6,762       | 206.0    | 140  | 147       | 5.0      |
| West Virginia    | 14.8  | 10,057 | 10,099 | 0.4      | 9,547  | 9,500      | -0.5      | 492   | 545         | 10.8     | 18   | 54        | 200.0    |
| Wisconsin        | -10.4   | 28,657 | 24,371 | -15.0    | 26,314 | 23,235     | -11.7     | 2,068 | 888         | -57.1    | 275  | 248       | -9.8     |
| Wyoming          | -2.6  | 2,798  | 3,261  | 16.5     | 2,465  | 2,916      | 18.3      | 326   | 331         | 1.5      | 7    | 14        | 100.0    |
| U.S. territories | NA  | 314    | 315    | 0.3      | 260    | 248        | -4.6      | 51    | 43          | -15.7    | 3    | 24        | 700.0    |

#### SOURCE: N-SSATS 2013 and 2015.

**NOTE:** Inpatient and residential client counts represent the number of clients receiving services on March 31 of the indicated year (see Questions 28a and 29a in N-SSATS 2013 and Questions 29a and 30a in N-SSATS 2015). Outpatient client counts represent the number of clients who received outpatient services in March of the indicated year and who were still enrolled in care at the facility where they received those services on March 31 (see Question 30a in N-SSATS 2013 and Question 31a in N-SSATS 2015). Total clients is the sum of inpatient, residential, and outpatient clients.

a. The percent increase in Medicaid enrollment for each state was determined based on Medicaid enrollment reports.

|                 |                  | Total             |                  |                 | ceiving Methad   | by Geograp |        | viving Buprenor |          |       | ng Iniectable Na |          |
|-----------------|------------------|-------------------|------------------|-----------------|------------------|------------|--------|-----------------|----------|-------|------------------|----------|
|                 | 2013             | 2015              | % Change         | 2013            | 2015             | % Change   | 2013   | 2015            | % Change | 2013  | 2015             | % Change |
| Total           | 382,237          | 439,602           | 15               | 330,308         | 356,843          | 8          | 48,148 | 75,724          | 57       | 3,781 | 7,035            | 86       |
| States in which | Medicaid enrollm | nent increased mo | ore than 10% bet | ween January 20 | 14 and January 2 | 015        |        | •               |          |       | •                |          |
| Yes             | 166,201          | 206,158           | 24               | 140,659         | 166,890          | 19         | 24,043 | 35,575          | 48       | 1,499 | 3,693            | 146      |
| No              | 208,168          | 228,187           | 10               | 182,208         | 185,422          | 2          | 23,711 | 39,436          | 66       | 2,249 | 3,329            | 48       |
| Region          |                  |                   |                  |                 |                  |            |        |                 |          |       |                  |          |
| Northeast       | 128,212          | 138,585           | 8                | 112,198         | 114,087          | 1          | 15,093 | 22,620          | 50       | 921   | 1,878            | 104      |
| Midwest         | 57,894           | 71,447            | 23               | 48,286          | 53,687           | 11         | 8,539  | 15,579          | 82       | 1,069 | 2,181            | 104      |
| South           | 121,655          | 145,753           | 20               | 103,161         | 116,555          | 13         | 17,441 | 27,649          | 59       | 1,053 | 1,549            | 47       |
| West            | 65,682           | 78,560            | 19               | 58,296          | 67,983           | 16         | 6,681  | 9,163           | 37       | 705   | 1,414            | 101      |
| Urbanicity      |                  |                   |                  |                 |                  |            |        |                 |          |       |                  |          |
| Urban           | 304,932          | 403,601           | 32               | 265,239         | 332,937          | 26         | 36,896 | 64,372          | 74       | 2,797 | 6,292            | 125      |
| Rural           | 68,511           | 30,744            | -55              | 56,702          | 19,375           | -66        | 10,858 | 10,639          | -2       | 951   | 730              | -23      |
| Facility focus  |                  |                   |                  |                 |                  |            |        |                 |          |       |                  |          |
| SUD             | NA               | 376,265           | NA               | NA              | 327,936          | NA         | NA     | 44,616          | NA       | NA    | 3,713            | NA       |
| treatment       | INA              | 570,205           | INA              | INA             | 327,930          | INA        | INA    | 44,010          | INA      | NA    | 3,713            | INA      |
| MH              | NA               | 4,233             | NA               | NA              | 1,416            | NA         | NA     | 2,568           | NA       | NA    | 249              | NA       |
| treatment       | INA              | 4,233             | INA              | INA             | 1,410            | INA        | INA    | 2,300           | INA      | INA   | 249              | NA NA    |
| SUD and         |                  |                   |                  |                 |                  |            |        |                 |          |       |                  |          |
| MH              | NA               | 45,718            | NA               | NA              | 18,244           | NA         | NA     | 24,671          | NA       | NA    | 2,803            | NA       |
| treatment       |                  |                   |                  |                 |                  |            |        |                 |          |       |                  |          |
| Other           | NA               | 13,386            | NA               | NA              | 9,247            | NA         | NA     | 3,869           | NA       | NA    | 270              | NA       |
| Operation       |                  |                   |                  |                 |                  |            |        |                 |          |       |                  |          |
| Private, NP     | 130,181          | 153,994           | 18               | 111,313         | 121,499          | 9          | 17,610 | 29,149          | 66       | 1,258 | 3,346            | 166      |
| Private, FP     | 214,533          | 252,423           | 18               | 189,264         | 213,421          | 13         | 23,152 | 36,286          | 57       | 2,117 | 2,716            | 28       |
| Public          | 37,523           | 33,185            | -12              | 29,731          | 21,923           | -26        | 7,386  | 10,289          | 39       | 406   | 973              | 140      |

SOURCE: N-SSATS 2013 and 2015.

**NOTE**: The number of clients receiving methadone, buprenorphine, or injectable naltrexone is based on counts of clients receiving these services as reported in Questions 28c, 29c, and 30c in N-SSATS 2013 and Questions 29c, 30c, and 31c in N-SSATS 2015. Total clients is the sum of methadone, buprenorphine, or injectable naltrexone clients. United States territories are excluded from the categories for: (1) region; and (2) states in which Medicaid enrollment increased more than 10% between January 2014 and January 2015. The percent increase in Medicaid enrollment for each state was determined based on Medicaid enrollment reports. Therefore, the totals for these categories are lower than the reported total in the first line of the table. Urbanicity is assigned based on the National Center for Health Statistics urbanicity classification scheme. Facilities in rural areas include those in micropolitan areas with an urban core population of at least 10,000 but less than 50,000, as well as those in non-core areas. Facilities in a central or fringe urban core with a population of 50,000 or more are considered urban. Information on urbanicity was not available for all facilities; urban and rural client counts are only reported for facilities with known urbanicity. Facility operation was self-designated in N-SSATS Question 4 in 2013 and Question 7 in 2015. Facility focus was not asked on the N-SSATS 2013 survey.

|                 |                  | Total            |                   | Re              | ceiving Methad   | one      | Rece | eiving Buprenor | rphine   | Receivi | ng Injectable N | altrexone |
|-----------------|------------------|------------------|-------------------|-----------------|------------------|----------|------|-----------------|----------|---------|-----------------|-----------|
|                 | 2013             | 2015             | % Change          | 2013            | 2015             | % Change | 2013 | 2015            | % Change | 2013    | 2015            | % Change  |
| Total           | 31               | 34               | 10                | 26              | 27               | 3        | 4    | 6               | 51       | 0       | 1               | 78        |
| States in which | Medicaid enrollm | ent increased me | ore than 10% betw | ween January 20 | 14 and January 2 | 2015     |      |                 |          |         |                 |           |
| Yes             | 28               | 33               | 17                | 24              | 26               | 12       | 4    | 6               | 39       | 0       | 1               | 132       |
| No              | 33               | 35               | 6                 | 29              | 28               | -2       | 4    | 6               | 61       | 0       | 1               | 43        |
| Region          |                  |                  |                   |                 |                  |          |      |                 |          |         |                 |           |
| Northeast       | 40               | 42               | 4                 | 35              | 34               | -3       | 5    | 7               | 44       | 0       | 1               | 95        |
| Midwest         | 22               | 27               | 21                | 19              | 20               | 9        | 3    | 6               | 80       | 0       | 1               | 101       |
| South           | 35               | 39               | 10                | 30              | 31               | 3        | 5    | 7               | 45       | 0       | 0               | 34        |
| West            | 21               | 25               | 16                | 19              | 21               | 13       | 2    | 3               | 33       | 0       | 0               | 95        |
| Urbanicity      |                  |                  |                   |                 |                  |          |      |                 |          |         |                 |           |
| Urban           | 32               | 37               | 15                | 28              | 30               | 9        | 4    | 6               | 51       | 0       | 1               | 95        |
| Rural           | 25               | 16               | -34               | 20              | 10               | -50      | 4    | 6               | 44       | 0       | 0               | 13        |
| Operation       |                  |                  |                   |                 |                  |          |      |                 |          |         |                 |           |
| Private, NP     | 20               | 23               | 13                | 17              | 18               | 4        | 3    | 4               | 58       | 0       | 0               | 153       |
| Private, FP     | 50               | 53               | 6                 | 44              | 45               | 2        | 5    | 8               | 42       | 0       | 1               | 16        |
| Public          | 21               | 21               | 0                 | 16              | 14               | -17      | 4    | 6               | 58       | 0       | 1               | 171       |

**NOTE**: The percentage of clients receiving methadone, buprenorphine, or injectable naltrexone is based on counts of clients receiving these services (as reported in Table B.3.a) divided by the total number of clients (indicated in Table B.1). United States territories are excluded from the categories for: (1) region; and (2) states in which Medicaid enrollment increased more than 10% between January 2014 and January 2015. The percent increase in Medicaid enrollment for each state was determined based on Medicaid enrollment reports. Urbanicity is assigned based on the National Center for Health Statistics urbanicity classification scheme. Facilities in rural areas include those in micropolitan areas with an urban core population of at least 10,000 but less than 50,000, as well as those in non-core areas. Facilities in a central or fringe urban core with a population of 50,000 or more are considered urban. Information on urbanicity was not available for all facilities; urban and rural estimates are only reported for facilities with known urbanicity. Facility operation was self-designated in N-SSATS Question 4 in 2013 and Question 7 in 2015.

|                         |         | TAE     | BLE B.4.a. I | Number of | <b>Clients Re</b> | eceiving Me | dications | by State, 2     | 013 and 20 | )15     |                  |           |
|-------------------------|---------|---------|--------------|-----------|-------------------|-------------|-----------|-----------------|------------|---------|------------------|-----------|
|                         |         | Total   |              |           | ceiving Methad    |             |           | eiving Buprenor | phine      | Receivi | ng Injectable Na | altrexone |
|                         | 2013    | 2015    | % Change     | 2013      | 2015              | % Change    | 2013      | 2015            | % Change   | 2013    | 2015             | % Change  |
| Total                   | 383,130 | 439,602 | 15           | 331,215   | 356,843           | 8           | 48,134    | 75,724          | 57         | 3,781   | 7,035            | 86        |
| Alabama                 | 8,785   | 8,457   | -4           | 7,738     | 7,639             | -1          | 967       | 787             | -19        | 80      | 31               | -61       |
| Alaska                  | 285     | 444     | 56           | 144       | 331               | 130         | 137       | 91              | -34        | 4       | 22               | 450       |
| Arizona                 | 7,585   | 8,291   | 9            | 6,425     | 7,107             | 11          | 1,040     | 987             | -5         | 120     | 197              | 64        |
| Arkansas                | 992     | 1,484   | 50           | 831       | 1,095             | 32          | 161       | 389             | 142        | NA      | NA               | NA        |
| California              | 33,301  | 38,607  | 16           | 30,899    | 35,231            | 14          | 2,154     | 2,922           | 36         | 248     | 454              | 83        |
| Colorado                | 2,561   | 2,290   | -11          | 2,084     | 1,934             | -7          | 379       | 256             | -32        | 98      | 100              | 2         |
| Connecticut             | 16,540  | 14,658  | -11          | 15,531    | 14,072            | -9          | 980       | 544             | -44        | 29      | 42               | 45        |
| Delaware                | 2,826   | 5,834   | 106          | 2,422     | 3,266             | 35          | 380       | 2,425           | 538        | 24      | 143              | 496       |
| District of<br>Columbia | 1,856   | 1,428   | -23          | 1,760     | 1,315             | -25         | 93        | 104             | 12         | 3       | 9                | 200       |
| Florida                 | 16,471  | 20,978  | 27           | 14,441    | 17,670            | 22          | 1,700     | 2,922           | 72         | 330     | 386              | 17        |
| Georgia                 | 10,542  | 11,990  | 14           | 10,194    | 11,212            | 10          | 297       | 659             | 122        | 51      | 119              | 133       |
| Hawaii                  | 700     | 745     | 6            | 612       | 623               | 2           | 87        | 121             | 39         | 1       | 1                | 0         |
| Idaho                   | 147     | 678     | 361          | NA        | 312               | NA          | 137       | 353             | 158        | 10      | 13               | 30        |
| Illinois                | 13,230  | 15,053  | 14           | 11,922    | 13,559            | 14          | 1,199     | 1,303           | 9          | 109     | 191              | 75        |
| Indiana                 | 10,037  | 8,393   | -16          | 9,265     | 7,073             | -24         | 744       | 1,178           | 58         | 28      | 142              | 407       |
| lowa                    | 692     | 889     | 28           | 623       | 783               | 26          | 69        | 106             | 54         | NA      | NA               | NA        |
| Kansas                  | 2,284   | 2,585   | 13           | 2,077     | 2,313             | 11          | 207       | 261             | 26         | NA      | 11               | NA        |
| Kentucky                | 4,719   | 5,136   | 9            | 1,626     | 2,955             | 82          | 3,079     | 2,158           | -30        | 14      | 23               | 64        |
| Louisiana               | 2,193   | 4,731   | 116          | 1,907     | 3,502             | 84          | 271       | 1,153           | 325        | 15      | 76               | 407       |
| Maine                   | 4,503   | 5,304   | 18           | 3,658     | 3,751             | 3           | 838       | 1,529           | 82         | 7       | 24               | 243       |
| Maryland                | 22,278  | 26,692  | 20           | 19,564    | 22,927            | 17          | 2,622     | 3,533           | 35         | 92      | 232              | 152       |
| Massachusetts           | 19,626  | 22,146  | 13           | 15,479    | 17,633            | 14          | 3,861     | 4,113           | 7          | 286     | 400              | 40        |
| Michigan                | 9,116   | 12,064  | 32           | 7,851     | 9,806             | 25          | 1,187     | 1,900           | 60         | 78      | 358              | 359       |
| Minnesota               | 5,048   | 6,258   | 24           | 4,533     | 5,530             | 22          | 483       | 667             | 38         | 32      | 61               | 91        |
| Mississippi             | 257     | 274     | 7            | 183       | 176               | -4          | 70        | 97              | 39         | 4       | 1                | -75       |
| Missouri                | 3,817   | 4,764   | 25           | 2,704     | 3,083             | 14          | 738       | 1,155           | 57         | 375     | 526              | 40        |
| Montana                 | 382     | 773     | 102          | 174       | 489               | 181         | 190       | 284             | 49         | 18      | NA               | NA        |
| Nebraska                | 954     | 688     | -28          | 553       | 619               | 12          | 78        | 52              | -33        | 323     | 17               | -95       |
| Nevada                  | 1,572   | 1,847   | 17           | 1,493     | 1,555             | 4           | 75        | 261             | 248        | 4       | 31               | 675       |
| New<br>Hampshire        | 2,656   | 4,754   | 79           | 2,340     | 2,748             | 17          | 311       | 1,991           | 540        | 5       | 15               | 200       |
| New Jersey              | 12,818  | 14,506  | 13           | 11,704    | 13,103            | 12          | 1,036     | 1,166           | 13         | 78      | 237              | 204       |
| New Mexico              | 2,752   | 5,029   | 83           | 2,407     | 4,088             | 70          | 332       | 890             | 168        | 13      | 51               | 292       |
| New York                | 43,740  | 41,502  | -5           | 38,873    | 34,535            | -11         | 4,540     | 6,394           | 41         | 327     | 573              | 75        |
| North Carolina          | 14,930  | 19,382  | 30           | 11,499    | 13,665            | 19          | 3,369     | 5,637           | 67         | 62      | 80               | 29        |
| North Dakota            | 9       | 109     | 1,111        | NA        | NA                | NA          | 9         | 84              | 833        | NA      | 25               | NA        |
| Ohio                    | 7,580   | 14,092  | 86           | 4,908     | 6,147             | 25          | 2,618     | 7,347           | 181        | 54      | 598              | 1,007     |
| Oklahoma                | 3,279   | 3,760   | 15           | 3,091     | 3,500             | 13          | 188       | 227             | 21         | NA      | 33               | NA        |
| Oregon                  | 4,348   | 5,322   | 22           | 4,045     | 4,663             | 15          | 288       | 601             | 109        | 15      | 58               | 287       |
| Pennsylvania            | 23,096  | 24,262  | 5            | 20,623    | 20,408            | -1          | 2,308     | 3,530           | 53         | 165     | 324              | 96        |
| Puerto Rico             | 8,761   | 5,230   | -40          | 8,348     | 4,515             | -46         | 380       | 702             | 85         | 33      | 13               | -61       |

|                |        | Total  |          | Re     | ceiving Methad | one      | Rece  | iving Buprenor | phine    | Receivi | ng Injectable Na | altrexone |
|----------------|--------|--------|----------|--------|----------------|----------|-------|----------------|----------|---------|------------------|-----------|
|                | 2013   | 2015   | % Change | 2013   | 2015           | % Change | 2013  | 2015           | % Change | 2013    | 2015             | % Change  |
| Rhode Island   | 4,243  | 7,552  | 78       | 3,517  | 6,213          | 77       | 715   | 1,078          | 51       | 11      | 261              | 2,273     |
| South Carolina | 5,020  | 5,334  | 6        | 4,323  | 4,524          | 5        | 671   | 799            | 19       | 26      | 11               | -58       |
| South Dakota   | 83     | 10     | -88      | 82     | 5              | -94      | 1     | 5              | 400      | NA      | NA               | NA        |
| Tennessee      | 2,974  | 5,721  | 92       | 2,427  | 4,421          | 82       | 488   | 1,179          | 142      | 59      | 121              | 105       |
| Texas          | 12,497 | 12,126 | -3       | 11,662 | 9,833          | -16      | 673   | 2,189          | 225      | 162     | 104              | -36       |
| Utah           | 3,028  | 3,489  | 15       | 2,635  | 2,459          | -7       | 345   | 790            | 129      | 48      | 240              | 400       |
| Vermont        | 1,435  | 3,901  | 172      | 918    | 1,624          | 77       | 504   | 2,275          | 351      | 13      | 2                | -85       |
| Virginia       | 6,655  | 7,096  | 7        | 5,323  | 5,735          | 8        | 1,278 | 1,319          | 3        | 54      | 42               | -22       |
| Washington     | 8,950  | 10,953 | 22       | 7,495  | 9,191          | 23       | 1,335 | 1,534          | 15       | 120     | 228              | 90        |
| West Virginia  | 5,510  | 5,330  | -3       | 4,299  | 3,120          | -27      | 1,134 | 2,072          | 83       | 77      | 138              | 79        |
| Wisconsin      | 5,279  | 6,542  | 24       | 4,003  | 4,769          | 19       | 1,206 | 1,521          | 26       | 70      | 252              | 260       |
| Wyoming        | 188    | 92     | -51      | NA     | NA             | NA       | 182   | 73             | -60      | 6       | 19               | 217       |

**NOTE**: The number of clients receiving methadone, buprenorphine, or injectable naltrexone is based on counts of clients receiving these services, as reported in Questions 28c, 29c, and 30c in N-SSATS 2013 and Questions 29c, 30c, and 31c in N-SSATS 2015. Total clients is the sum of methadone, buprenorphine, or injectable naltrexone clients.

|                |      | TABL  | .E B.4.b. Pı | oportion o | of Clients F   | Receiving N |      |                 |          | 2015     |                  |           |
|----------------|------|-------|--------------|------------|----------------|-------------|------|-----------------|----------|----------|------------------|-----------|
|                |      | Total |              |            | ceiving Methad |             |      | eiving Buprenor |          |          | ing Injectable N | altrexone |
|                | 2013 | 2015  | % Change     | 2013       | 2015           | % Change    | 2013 | 2015            | % Change | 2013     | 2015             | % Change  |
| Total          | 31   | 34    | 10           | 27         | 27             | 3           | 4    | 6               | 51       | 0        | 1                | 78        |
| Alabama        | 58   | 58    | 0            | 51         | 53             | 2           | 6    | 5               | -16      | 1        | 0                | -60       |
| Alaska         | 7    | 13    | 81           | 4          | 10             | 167         | 4    | 3               | -23      | 0        | 1                | 538       |
| Arizona        | 24   | 24    | 2            | 20         | 21             | 4           | 3    | 3               | -11      | 0        | 1                | 54        |
| Arkansas       | 17   | 21    | 24           | 14         | 15             | 9           | 3    | 5               | 100      | 0        | 0                | NA        |
| California     | 28   | 34    | 21           | 26         | 31             | 19          | 2    | 3               | 42       | 0        | 0                | 92        |
| Colorado       | 6    | 7     | 9            | 5          | 6              | 13          | 1    | 1               | -18      | 0        | 0                | 24        |
| Connecticut    | 50   | 39    | -22          | 47         | 37             | -20         | 3    | 1               | -51      | 0        | 0                | 27        |
| Delaware       | 54   | 56    | 6            | 46         | 32             | -31         | 7    | 23              | 226      | 0        | 1                | 205       |
| District of    | 10   | 54    |              | 10         |                |             | 0    |                 | 50       | <u>^</u> | â                | 0.07      |
| Columbia       | 48   | 51    | 4            | 46         | 47             | 1           | 2    | 4               | 52       | 0        | 0                | 307       |
| Florida        | 31   | 33    | 8            | 27         | 28             | 4           | 3    | 5               | 46       | 1        | 1                | -1        |
| Georgia        | 44   | 47    | 8            | 42         | 44             | 4           | 1    | 3               | 110      | 0        | 0                | 121       |
| Hawaii         | 13   | 13    | -4           | 12         | 11             | -8          | 2    | 2               | 26       | 0        | 0                | -10       |
| Idaho          | 2    | 11    | 386          | NA         | 5              | NA          | 2    | 6               | 171      | 0        | 0                | 37        |
| Illinois       | 31   | 34    | 10           | 28         | 30             | 9           | 3    | 3               | 5        | 0        | 0                | 69        |
| Indiana        | 35   | 33    | -7           | 33         | 28             | -15         | 3    | 5               | 76       | 0        | 1                | 463       |
| lowa           | 7    | 10    | 39           | 6          | 9              | 36          | 1    | 1               | 67       | NA       | NA               | NA        |
| Kansas         | 21   | 23    | 7            | 19         | 20             | 5           | 2    | 2               | 19       | NA       | 0                | NA        |
| Kentucky       | 20   | 22    | 11           | 7          | 13             | 86          | 13   | 9               | -28      | 0        | 0                | 68        |
| Louisiana      | 22   | 39    | 78           | 19         | 29             | 51          | 3    | 10              | 251      | 0        | 1                | 318       |
| Maine          | 40   | 49    | 23           | 32         | 35             | 7           | 7    | 14              | 91       | 0        | 0                | 259       |
| Maryland       | 53   | 57    | 8            | 46         | 49             | 5           | 6    | 8               | 21       | 0        | 0                | 126       |
| Massachusetts  | 44   | 49    | 10           | 35         | 39             | 11          | 9    | 9               | 3        | 1        | 1                | 36        |
| Michigan       | 19   | 26    | 35           | 16         | 21             | 27          | 2    | 4               | 63       | 0        | 1                | 368       |
| Minnesota      | 28   | 33    | 16           | 25         | 29             | 14          | 3    | 3               | 29       | 0        | 0                | 79        |
| Mississippi    | 4    | 6     | 53           | 3          | 4              | 38          | 1    | 2               | 98       | 0        | 0                | -64       |
| Missouri       | 17   | 19    | 15           | 12         | 12             | 5           | 3    | 5               | 44       | 2        | 2                | 29        |
| Montana        | 9    | 15    | 77           | 4          | 10             | 146         | 4    | 6               | 31       | 0        | NA               | NA        |
| Nebraska       | 15   | 12    | -20          | 9          | 11             | 24          | 1    | 1               | -26      | 5        | 0                | -94       |
| Nevada         | 22   | 27    | 19           | 21         | 22             | 6           | 1    | 4               | 254      | 0        | 0                | 688       |
| New            |      |       |              |            |                |             |      |                 |          |          | -                |           |
| Hampshire      | 40   | 58    | 47           | 35         | 34             | -4          | 5    | 24              | 426      | 0        | 0                | 146       |
| New Jersey     | 35   | 40    | 13           | 32         | 36             | 12          | 3    | 3               | 12       | 0        | 1                | 203       |
| New Mexico     | 21   | 33    | 56           | 19         | 27             | 45          | 3    | 6               | 129      | 0        | 0                | 235       |
| New York       | 38   | 36    | -4           | 34         | 30             | -10         | 4    | 6               | 42       | 0        | 1                | 77        |
| North Carolina | 37   | 46    | 25           | 28         | 33             | 15          | 8    | 13              | 62       | 0        | 0                | 25        |
| North Dakota   | 1    | 5     | 799          | NA         | NA             | NA          | 1    | 3               | 593      | NA       | 1                | NA        |
| Ohio           | 20   | 31    | 54           | 13         | 14             | 3           | 7    | 16              | 132      | 0        | 1                | 814       |
| Oklahoma       | 20   | 22    | 14           | 19         | 21             | 13          | 1    | 1               | 20       | NA       | 0                | NA        |
| Oregon         | 20   | 18    | -12          | 18         | 15             | -17         | 1    | 2               | 50       | 0        | 0                | 179       |
| Pennsylvania   | 40   | 41    | 2            | 36         | 34             | -4          | 4    | 6               | 48       | 0        | 1                | 90        |
| Puerto Rico    | 58   | 41    | -20          | 55         | 40             | -4<br>-28   | 3    | 6               | 147      | 0        | 0                | -47       |

|   |                   |       |                  |                    | TABLE            | B.4.b (con         | tinued)            |                   |                     |                    |                  |            |
|---|-------------------|-------|------------------|--------------------|------------------|--------------------|--------------------|-------------------|---------------------|--------------------|------------------|------------|
|   |                   | Total |                  | Re                 | ceiving Methad   | one                | Rece               | eiving Buprenor   | phine               | Receivi            | ng Injectable N  | altrexone  |
|   | 2013              | 2015  | % Change         | 2013               | 2015             | % Change           | 2013               | 2015              | % Change            | 2013               | 2015             | % Change   |
| Rhode Island  | 41                | 53    | 30               | 34                 | 44               | 29                 | 7                  | 8                 | 10                  | 0                  | 2                | 1,630      |
| South Carolina  | 32                | 29    | -8               | 27                 | 25               | -9                 | 4                  | 4                 | 3                   | 0                  | 0                | -63        |
| South Dakota  | 3                 | 0     | -87              | 3                  | 0                | -93                | 0                  | 0                 | 451                 | NA                 | NA               | NA         |
| Tennessee   | 21                | 25    | 21               | 17                 | 20               | 15                 | 3                  | 5                 | 52                  | 0                  | 1                | 29         |
| Texas   | 36                | 34    | -5               | 34                 | 28               | -17                | 2                  | 6                 | 220                 | 0                  | 0                | -37        |
| Utah  | 24                | 28    | 16               | 21                 | 20               | -6                 | 3                  | 6                 | 131                 | 0                  | 2                | 404        |
| Vermont   | 27                | 53    | 93               | 18                 | 22               | 25                 | 10                 | 31                | 220                 | 0                  | 0                | -89        |
| Virginia  | 29                | 32    | 9                | 23                 | 26               | 10                 | 6                  | 6                 | 6                   | 0                  | 0                | -20        |
| Washington  | 21                | 22    | 2                | 18                 | 18               | 2                  | 3                  | 3                 | -5                  | 0                  | 0                | 58         |
| West Virginia   | 55                | 53    | -4               | 43                 | 31               | -28                | 11                 | 21                | 82                  | 1                  | 1                | 78         |
| Wisconsin   | 18                | 27    | 46               | 14                 | 20               | 40                 | 4                  | 6                 | 48                  | 0                  | 1                | 323        |
| Wyoming   | 7                 | 3     | -58              | NA                 | NA               | NA                 | 7                  | 2                 | -66                 | 0                  | 1                | 172        |
| SOURCE: N-SS/<br>NOTE: The perce<br>(indicated in Table | entage of clients |       | done, buprenorph | ine, or injectable | naltrexone is ba | sed on counts of c | lients receiving t | hese services (as | s reported in Table | e B.2) relative to | the total number | of clients |

|  | TABLE B.5. Substance Dependence or Abuse for Specific Substances in the Past Year<br>Among Persons Age 12 or Older, 2002-2015 |         |          |          |          |          |          |          |        |        |        |        |        |                     |
|--|---|---------|----------|----------|----------|----------|----------|----------|--------|--------|--------|--------|--------|---------------------|
| Past Year<br>Dependence or<br>Abuse                  | 2002  | 2003    | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010   | 2011   | 2012   | 2013   | 2014   | 2015                |
| Illicit drugs <sup>a</sup>                           | 7,116   | 6,835   | 7,298    | 6,833    | 7,024    | 6,866    | 7,012    | 7,114    | 7,144  | 6,531  | 7,312  | 6,852  | 7,077  | 7,737 <sup>n</sup>  |
| Marijuana and hashish                                | 4,294   | 4,198   | 4,469    | 4,090    | 4,184    | 3,941    | 4,228    | 4,322    | 4,505  | 4,165  | 4,304  | 4,206  | 4,176  | 4,007               |
| Cocaine  | 1,488**   | 1,515** | 1,571**  | 1,549**  | 1,665**  | 1,604**  | 1,412**  | 1,108    | 1,012  | 821    | 1,119  | 855    | 913    | 896                 |
| Heroin   | 214**   | 189**   | 270**    | 227**    | 324**    | 214**    | 283**    | 369*     | 361**  | 426    | 467    | 517    | 586    | 591                 |
| Hallucinogens  | 426**   | 321     | 449**    | 371*     | 380*     | 369*     | 362*     | 373*     | 402**  | 342    | 331    | 277    | 246    | 267 <sup>n</sup>    |
| Inhalants  | 180*  | 169*    | 233**    | 221**    | 176*     | 164*     | 175*     | 164*     | 169*   | 141    | 164    | 132    | 96     | 121 <sup>n</sup>    |
| Non-medical use of psychotherapeutics <sup>b,c</sup> | 2,018*  | 1,923** | 2,048*   | 1,959**  | 2,036*   | 2,167    | 2,177    | 2,297    | 2,378  | 2,139  | 2,597  | 2,281  | 2,417  | 2,742 <sup>n</sup>  |
| Pain relievers                                       | 1,509*  | 1,424** | 1,388**  | 1,546*   | 1,636    | 1,715    | 1,715    | 1,878    | 1,923  | 1,768  | 2,056  | 1,879  | 1,918  | 2,038 <sup>n</sup>  |
| Tranquilizers  | 509   | 435     | 573      | 419      | 403      | 443      | 453      | 476      | 522    | 400    | 629    | 423    | 472    | 688 <sup>n</sup>    |
| Stimulants <sup>b</sup>                              | 436   | 378     | 470      | 409      | 388      | 405      | 351      | 380      | 358    | 329*   | 535    | 469    | 476    | 426 <sup>n</sup>    |
| Sedatives  | 154   | 158     | 128      | 97       | 121      | 154      | 127      | 147      | 162    | 78     | 135    | 99     | 143    | 154 <sup>n</sup>    |
| Alcohol  | 18,100*   | 17,805  | 18,654** | 18,658** | 18,852** | 18,687** | 18,478** | 18,763** | 17,967 | 16,672 | 17,714 | 17,298 | 16,994 | 15,736              |
| Both illicit drugs and alcohol <sup>a</sup>          | 3,210**   | 3,054*  | 3,445**  | 3,273**  | 3,215**  | 3,184**  | 3,102**  | 3,243**  | 2,889  | 2,598  | 2,840  | 2,589  | 2,592  | 2,663 <sup>n</sup>  |
| Illicit drugs or alcohol <sup>a</sup>                | 22,006  | 21,586  | 22,506   | 22,218   | 22,661*  | 22,369   | 22,388   | 22,634   | 22,221 | 20,605 | 22,187 | 21,561 | 21,480 | 20,810 <sup>n</sup> |

SOURCE: Results for 2002 to 2014 are extracted from Table 7.50A in Center for Behavioral Health Statistics and Quality 2015. Results for 2015 are extracted from Table 7.40A in the Center for Behavioral Health Statistics and Quality 2016.

NOTE: Dependence or abuse is based on definitions found in the fourth edition of the DSM.

a. Illicit drugs include marijuana and hashish, cocaine (including crack), heroin, hallucinogens, inhalants, and prescription psychotherapeutics used non-medically including data from original NSDUH questions regarding methamphetamines but not new items added in 2005 and 2006 NSDUH.

b. Estimates in these designated rows do not include data from new methamphetamine items added in 2005 and 2006.

c. Non-medical use of prescription psychotherapeutics includes the non-medical use of pain relievers, tranquilizers, stimulants, or sedatives and does not include over-the-counter drugs.

n. Estimates are not comparable to prior years due to changes in the survey methodology.

\*The difference between this estimate and the 2014 estimate is statistically significant at the 0.05 level.

\*\*The difference between this estimate and the 2014 estimate is statistically significant at the 0.01 level.

| TABLE B.6. Propo     | ortion of Individuals |                       | ing Symptoms of S | UD but Not Receivin |                       |              |
|----------------------|-----------------------|-----------------------|-------------------|---------------------|-----------------------|--------------|
|                      |                       | Drug Use Disorders    |                   |                     | Alcohol Use Disorders |              |
|                      |                       | With a Dis            | sorder but        |                     | With a Dis            | sorder but   |
|                      | With a Disorder       |                       | ng Treatment      | With a Disorder     |                       | ng Treatment |
|                      | (thousands)           | Number<br>(thousands) | Percentage        | (thousands)         | Number<br>(thousands) | Percentage   |
| Total                | 6,964                 | 6,202                 | 89                | 17,147              | 16,351                | 95           |
| Alabama              | 107                   | 98                    | 92                | 233                 | 225                   | 97           |
| Alaska               | 19                    | 16                    | 84                | 39                  | 37                    | 95           |
| Arizona              | 177                   | 157                   | 89                | 418                 | 383                   | 92           |
| Arkansas             | 58                    | 53                    | 91                | 128                 | 126                   | 98           |
| California           | 876                   | 791                   | 90                | 2,127               | 2,030                 | 95           |
| Colorado             | 128                   | 113                   | 88                | 329                 | 304                   | 92           |
| Connecticut          | 88                    | 75                    | 85                | 206                 | 199                   | 97           |
| Delaware             | 27                    | 20                    | 74                | 48                  | 46                    | 96           |
| District of Columbia | 20                    | 18                    | 90                | 55                  | 52                    | 95           |
| Florida              | 410                   | 369                   | 90                | 1,008               | 976                   | 97           |
| Georgia              | 238                   | 208                   | 87                | 506                 | 482                   | 95           |
| Hawaii               | 26                    | 25                    | 96                | 78                  | 73                    | 94           |
| Idaho                | 31                    | 28                    | 90                | 88                  | 83                    | 94           |
| Illinois             | 267                   | 246                   | 92                | 661                 | 636                   | 96           |
| Indiana              | 155                   | 132                   | 85                | 364                 | 347                   | 95           |
| lowa                 | 56                    | 52                    | 93                | 160                 | 154                   | 96           |
| Kansas               | 55                    | 49                    | 89                | 174                 | 166                   | 95           |
| Kentucky             | 96                    | 82                    | 85                | 202                 | 200                   | 99           |
| Louisiana            | 112                   | 96                    | 86                | 228                 | 222                   | 97           |
| Maine                | 30                    | 26                    | 87                | 65                  | 64                    | 98           |
| Maryland             | 140                   | 123                   | 88                | 331                 | 311                   | 94           |
| Massachusetts        | 173                   | 156                   | 90                | 383                 | 361                   | 94           |
| Michigan             | 205                   | 181                   | 88                | 510                 | 497                   | 97           |
| Minnesota            | 107                   | 97                    | 91                | 286                 | 274                   | 96           |
| Mississippi          | 65                    | 59                    | 91                | 141                 | 138                   | 98           |
| Missouri             | 129                   | 112                   | 87                | 320                 | 310                   | 97           |
| Montana              | 18                    | 17                    | 94                | 65                  | 59                    | 91           |
| Nebraska             | 37                    | 33                    | 89                | 115                 | 110                   | 96           |
| Nevada               | 62                    | 55                    | 89                | 158                 | 150                   | 95           |
| New Hampshire        | 32                    | 27                    | 84                | 87                  | 83                    | 95           |
| New Jersey           | 178                   | 160                   | 90                | 486                 | 459                   | 94           |
| New Mexico           | 51                    | 44                    | 86                | 118                 | 113                   | 96           |
| New York             | 483                   | 420                   | 87                | 1,101               | 1,014                 | 92           |
| North Carolina       | 229                   | 201                   | 88                | 501                 | 476                   | 95           |

|  |   | Т  | ABLE B.6 (continu                                  | ed)   |  |   |
|--|---|--|--|---|--|---|
|  |   | Drug Use Disorders                               | •  |   | Alcohol Use Disorders                          | S   |
|  | With a Disorder   |  | sorder but<br>ng Treatment                         | With a Disorder   |  | sorder but<br>ng Treatment  |
|  | (thousands)   | Number<br>(thousands)                            | Percentage   | (thousands)   | Number<br>(thousands)                          | Percentage           94           96           92           93           95           93           95           93           97           89           99           97           95           93           97           93           97           99           97           99           97           95           99           97           95           92           95           92           95 |
| North Dakota                                     | 14  | 12   | 86   | 47  | 44   | 94  |
| Ohio   | 267   | 229  | 86   | 646   | 619  | 96  |
| Oklahoma   | 74  | 64   | 86   | 200   | 183  | 92  |
| Oregon   | 99  | 89   | 90   | 233   | 217  | 93  |
| Pennsylvania                                     | 297   | 253  | 85   | 717   | 684  | 95  |
| Rhode Island                                     | 30  | 26   | 87   | 69  | 64   | 93  |
| South Carolina                                   | 102   | 89   | 87   | 235   | 229  | 97  |
| South Dakota                                     | 15  | 13   | 87   | 53  | 47   | 89  |
| Tennessee  | 125   | 116  | 93   | 293   | 290  | 99  |
| Texas  | 464   | 441  | 95   | 1,396   | 1,358  | 97  |
| Utah   | 61  | 55   | 90   | 124   | 118  | 95  |
| Vermont  | 17  | 14   | 82   | 39  | 36   | 92  |
| Virginia   | 171   | 154  | 90   | 484   | 464  | 96  |
| Washington                                       | 159   | 141  | 89   | 383   | 355  | 93  |
| Nest Virginia                                    | 46  | 42   | 91   | 100   | 92   | 92  |
| Wisconsin  | 126   | 112  | 89   | 376   | 356  | 95  |
| Wyoming  | 11  | 9  | 82   | 36  | 35   | 97  |
| of individuals with ill<br>disorder not receivir | re extracted from "2013-2<br>licit drug disorder in past y<br>ng treatment from Table 2<br>piving treatment by dividing | vear from Table 18, nur<br>1, and number with an | nber of individuals with<br>alcohol use disorder n | alcohol use disorder from<br>ot receiving treatment fro | m Table 16, number wi<br>m Table 22. The autho | th an illicit drug use<br>rs calculated the   |

| Percentage           100           22           6           1           9           4           2           41           2           21           10 | Number           197,559           37,317           7,576           1,110           16,515           8,073           4,043           83,776           3,944           43,267           22,038 | Percentage 100 19 4 1 1 8 4 2 4 2 4 2 2 42 2 2 2 11   | Addiction Treatment           27           19           42           23           8           10           20           45           34           40   |
|--|---|---|--|
| 22<br>6<br>1<br>9<br>4<br>2<br>41<br>2<br>41<br>2<br>2<br>1<br>10  | 37,317           7,576           1,110           16,515           8,073           4,043           83,776           3,944           43,267   | 19<br>4<br>1<br>8<br>4<br>2<br>42<br>2<br>22  | 19         42         23         8         10         20         45         34         40  |
| 6<br>1<br>9<br>4<br>2<br>41<br>2<br>2<br>21<br>10  | 7,576<br>1,110<br>16,515<br>8,073<br>4,043<br>83,776<br>3,944<br>43,267   | 4<br>1<br>8<br>4<br>2<br>42<br>2<br>22  | 42<br>23<br>8<br>10<br>20<br>45<br>34<br>40  |
| 1<br>9<br>4<br>2<br>41<br>2<br>21<br>21<br>10  | 1,110<br>16,515<br>8,073<br>4,043<br>83,776<br>3,944<br>43,267  | 1<br>8<br>4<br>2<br>42<br>2<br>22   | 23<br>8<br>10<br>20<br>45<br>34<br>40  |
| 4<br>2<br>41<br>2<br>21<br>10  | 16,515<br>8,073<br>4,043<br>83,776<br>3,944<br>43,267   | 4<br>2<br>42<br>2<br>22   | 8<br>10<br>20<br>45<br>34<br>40  |
| 4<br>2<br>41<br>2<br>21<br>10  | 8,073<br>4,043<br>83,776<br>3,944<br>43,267   | 4<br>2<br>42<br>2<br>22   | 10<br>20<br>45<br>34<br>40   |
| 2<br>41<br>2<br>21<br>10   | 4,043<br>83,776<br>3,944<br>43,267  | 2<br>42<br>2<br>22  | 20<br>45<br>34<br>40   |
| 41<br>2<br>21<br>10  | 83,776<br>3,944<br>43,267   | 42<br>2<br>22   | 45<br>34<br>40   |
| 2<br>21<br>10  | 3,944<br>43,267   | 2<br>22   | 34<br>40   |
| 21<br>10   | 43,267  | 22  | 40   |
| 10   | ,   |   |  |
|  | 22,038  | 11  |  |
|  |   |   | 49   |
| 7  | 14,527  | 7   | 59   |
| 21   | 41,009  | 21  | 17   |
| <1   | 684   | <1  | 6  |
| 4  | 8,877   | 4   | 21   |
| 4  | 9,318   | 5   | 18   |
| 7  | 14,233  | 7   | 12   |
| 4  | 6,402   | 3   | 20   |
| 1  | 1,495   | 1   | 32   |
| 16   | 35,457  | 18  | 7  |
|  | <1<br>4<br>4<br>7<br>4<br>4<br>1  | <1         684           4         8,877           4         9,318           7         14,233           4         6,402           1         1,495 | <1         684         <1           4         8,877         4           4         9,318         5           7         14,233         7           4         6,402         3           1         1,495         1 |

| Profession  | Total Stat | f Members  | Tota   | l FTEs <sup>a</sup> | Percentage Certified in |
|---|------------|------------|--------|---------------------|-------------------------|
| FIDIESSIDII   | Number     | Percentage | Number | Percentage          | Addiction Treatment     |
| Total (all types of professions)                                | 14,458     | 100        | 6,726  | 100                 | 21                      |
| Doctoral-level medical staff                                    | 1,114      | 8          | 408    | 6                   | 35                      |
| Nursing staff or mid-level provider                             | 1,316      | 9          | 818    | 12                  | 13                      |
| Post-graduate level counselor                                   | 2,228      | 15         | 1,134  | 17                  | 25                      |
| Bachelor's degree counselor                                     | 1,349      | 9          | 659    | 10                  | 33                      |
| Associate's degree or no-degree counselor                       | 869        | 6          | 442    | 7                   | 48                      |
| Pharmacy assistant  | 63         | <1         | 32     | <1                  | 13                      |
| Peer support staff  | 1,026      | 7          | 337    | 5                   | 18                      |
| Care manager or patient navigator                               | 188        | 1          | 93     | 1                   | 29                      |
| Other recovery support worker                                   | 759        | 5          | 238    | 4                   | 14                      |
| Administrative staff  | 1,032      | 7          | 618    | 9                   | 18                      |
| Interns, contractors or per diem staff, and intake coordinators | 4,418      | 31         | 1,914  | 28                  | 11                      |
| Other clinical staff  | 97         | 1          | 32     | <1                  | 31                      |
| SOURCE: N-SSATS 2016, Question 23.                              |            | · · · ·    |        |                     | ·                       |

|                         |        | TABL      | E B.9.a. Nu | mber and            | FTEs for P                     | aid Medica                        | I Staff by I | Profession | and State, | 2016                |                                |                                   |
|-------------------------|--------|-----------|-------------|---------------------|--------------------------------|-----------------------------------|--------------|------------|------------|---------------------|--------------------------------|-----------------------------------|
|                         |        |           | Number      | of Staff            |                                |                                   |              |            | Number     | of FTE <sup>a</sup> |                                |                                   |
| State                   | Total  | Physician | Pharmacist  | Registered<br>Nurse | Licensed<br>Practical<br>Nurse | Mid-Level<br>Medical<br>Personnel | Total        | Physician  | Pharmacist | Registered<br>Nurse | Licensed<br>Practical<br>Nurse | Mid-Level<br>Medical<br>Personnel |
| Total                   | 55,665 | 14,811    | 2,016       | 22,238              | 10,316                         | 6,284                             | 37,318       | 7,576      | 1,110      | 16,515              | 8,073                          | 4,043                             |
| Alabama                 | 493    | 119       | 48          | 153                 | 132                            | 41                                | 295          | 52         | 19         | 103                 | 96                             | 26                                |
| Alaska                  | 146    | 61        | 4           | 35                  | 21                             | 25                                | 98           | 32         | 4          | 28                  | 16                             | 18                                |
| Arizona                 | 1,232  | 267       | 21          | 583                 | 143                            | 218                               | 868          | 153        | 14         | 443                 | 115                            | 143                               |
| Arkansas                | 271    | 75        | 18          | 69                  | 60                             | 49                                | 185          | 37         | 10         | 59                  | 48                             | 30                                |
| California              | 4,120  | 1,595     | 362         | 938                 | 767                            | 458                               | 2,358        | 705        | 55         | 705                 | 605                            | 287                               |
| Colorado                | 655    | 208       | 24          | 211                 | 71                             | 141                               | 398          | 113        | 22         | 140                 | 41                             | 83                                |
| Connecticut             | 1,129  | 302       | 39          | 379                 | 213                            | 196                               | 654          | 150        | 13         | 244                 | 140                            | 108                               |
| Delaware                | 212    | 49        | 9           | 78                  | 45                             | 31                                | 147          | 23         | 9          | 70                  | 29                             | 15                                |
| District of<br>Columbia | 112    | 38        | 5           | 33                  | 15                             | 21                                | 63           | 18         | 3          | 17                  | 10                             | 15                                |
| Florida                 | 3,680  | 972       | 135         | 1,170               | 965                            | 438                               | 2,797        | 653        | 77         | 961                 | 799                            | 308                               |
| Georgia                 | 1,686  | 323       | 109         | 731                 | 382                            | 141                               | 1,165        | 160        | 47         | 598                 | 276                            | 84                                |
| Hawaii                  | 121    | 61        | 0           | 44                  | 6                              | 10                                | 51           | 24         | 0          | 19                  | 2                              | 6                                 |
| Idaho                   | 198    | 38        | 11          | 63                  | 32                             | 54                                | 102          | 15         | 3          | 42                  | 18                             | 24                                |
| Illinois                | 1,898  | 732       | 49          | 710                 | 263                            | 144                               | 1,028        | 291        | 38         | 426                 | 190                            | 82                                |
| Indiana                 | 1,224  | 251       | 24          | 622                 | 199                            | 128                               | 889          | 169        | 17         | 472                 | 148                            | 82                                |
| lowa                    | 336    | 82        | 5           | 151                 | 43                             | 55                                | 215          | 37         | 5          | 112                 | 29                             | 32                                |
| Kansas                  | 582    | 130       | 20          | 200                 | 133                            | 99                                | 475          | 87         | 13         | 180                 | 120                            | 75                                |
| Kentucky                | 840    | 195       | 19          | 415                 | 109                            | 102                               | 511          | 92         | 15         | 300                 | 54                             | 50                                |
| Louisiana               | 742    | 213       | 24          | 208                 | 255                            | 42                                | 476          | 100        | 15         | 148                 | 192                            | 21                                |
| Maine                   | 488    | 113       | 21          | 264                 | 26                             | 64                                | 295          | 57         | 8          | 167                 | 20                             | 44                                |
| Maryland                | 1,211  | 385       | 10          | 302                 | 342                            | 172                               | 796          | 198        | 7          | 215                 | 274                            | 103                               |
| Massachusetts           | 1,953  | 516       | 34          | 818                 | 355                            | 230                               | 1,278        | 251        | 20         | 629                 | 238                            | 140                               |
| Michigan                | 2,504  | 877       | 101         | 985                 | 330                            | 211                               | 1,608        | 469        | 83         | 630                 | 267                            | 159                               |
| Minnesota               | 1,049  | 142       | 45          | 466                 | 301                            | 95                                | 632          | 56         | 21         | 266                 | 227                            | 62                                |
| Mississippi             | 534    | 91        | 16          | 293                 | 83                             | 51                                | 399          | 60         | 13         | 242                 | 49                             | 36                                |
| Missouri                | 933    | 210       | 14          | 443                 | 209                            | 57                                | 752          | 127        | 12         | 406                 | 166                            | 41                                |
| Montana                 | 580    | 113       | 51          | 291                 | 76                             | 49                                | 517          | 106        | 40         | 257                 | 72                             | 42                                |
| Nebraska                | 375    | 108       | 32          | 117                 | 41                             | 77                                | 240          | 71         | 24         | 79                  | 34                             | 33                                |
| Nevada                  | 522    | 69        | 15          | 340                 | 66                             | 32                                | 410          | 35         | 13         | 289                 | 51                             | 22                                |
| New<br>Hampshire        | 331    | 144       | 6           | 51                  | 40                             | 90                                | 258          | 104        | 1          | 47                  | 34                             | 72                                |
| New Jersey              | 1,360  | 423       | 30          | 586                 | 189                            | 132                               | 772          | 184        | 12         | 400                 | 112                            | 64                                |
| New Mexico              | 492    | 158       | 41          | 162                 | 57                             | 74                                | 309          | 70         | 18         | 124                 | 42                             | 54                                |
| New York                | 3,927  | 1,094     | 63          | 1,679               | 639                            | 451                               | 2,328        | 454        | 42         | 1,137               | 458                            | 239                               |
| North Carolina          | 2,350  | 615       | 58          | 1,113               | 301                            | 263                               | 1,700        | 400        | 47         | 832                 | 251                            | 170                               |
| North Dakota            | 276    | 38        | 9           | 165                 | 33                             | 31                                | 215          | 30         | 8          | 133                 | 25                             | 19                                |
| Ohio                    | 2,109  | 593       | 57          | 812                 | 433                            | 214                               | 1,413        | 284        | 38         | 627                 | 333                            | 131                               |
| Oklahoma                | 550    | 139       | 49          | 153                 | 154                            | 55                                | 421          | 81         | 47         | 116                 | 138                            | 39                                |
| Oregon                  | 517    | 140       | 25          | 153                 | 114                            | 85                                | 350          | 65         | 23         | 113                 | 100                            | 48                                |

|                                  |                                |           |            |                     | TABLE                          | B.9.a (cont                       | inued) |           |            |                     |                                |                                   |
|----------------------------------|--------------------------------|-----------|------------|---------------------|--------------------------------|-----------------------------------|--------|-----------|------------|---------------------|--------------------------------|-----------------------------------|
|                                  |                                |           | Number     | of Staff            |                                |                                   |        |           | Number     | of FTE <sup>a</sup> |                                |                                   |
| State                            | Total                          | Physician | Pharmacist | Registered<br>Nurse | Licensed<br>Practical<br>Nurse | Mid-Level<br>Medical<br>Personnel | Total  | Physician | Pharmacist | Registered<br>Nurse | Licensed<br>Practical<br>Nurse | Mid-Level<br>Medical<br>Personnel |
| Pennsylvania                     | 2,904                          | 729       | 79         | 1,088               | 804                            | 204                               | 2,039  | 304       | 67         | 824                 | 718                            | 126                               |
| Puerto Rico                      | 615                            | 219       | 13         | 317                 | 57                             | 9                                 | 409    | 111       | 12         | 237                 | 42                             | 8                                 |
| Rhode Island                     | 283                            | 65        | 11         | 130                 | 34                             | 43                                | 200    | 30        | 3          | 115                 | 28                             | 25                                |
| South Carolina                   | 695                            | 126       | 50         | 396                 | 72                             | 51                                | 494    | 74        | 33         | 289                 | 53                             | 44                                |
| South Dakota                     | 190                            | 30        | 12         | 78                  | 28                             | 42                                | 99     | 7         | 2          | 42                  | 22                             | 25                                |
| Tennessee                        | 1,270                          | 222       | 26         | 527                 | 284                            | 211                               | 883    | 108       | 17         | 361                 | 245                            | 152                               |
| Texas                            | 2,373                          | 334       | 43         | 1,374               | 508                            | 114                               | 1,950  | 201       | 33         | 1,140               | 486                            | 90                                |
| Utah                             | 722                            | 210       | 38         | 235                 | 87                             | 152                               | 381    | 73        | 11         | 168                 | 48                             | 81                                |
| Vermont                          | 224                            | 61        | 10         | 80                  | 38                             | 35                                | 150    | 42        | 3          | 60                  | 21                             | 25                                |
| Virginia                         | 1,344                          | 293       | 56         | 610                 | 304                            | 81                                | 897    | 145       | 25         | 438                 | 232                            | 56                                |
| Washington                       | 757                            | 227       | 20         | 238                 | 118                            | 154                               | 482    | 114       | 8          | 154                 | 95                             | 111                               |
| West Virginia                    | 702                            | 144       | 16         | 265                 | 197                            | 80                                | 542    | 79        | 9          | 241                 | 153                            | 60                                |
| Wisconsin                        | 1,541                          | 438       | 35         | 858                 | 110                            | 100                               | 1,072  | 257       | 28         | 641                 | 84                             | 63                                |
| Wyoming                          | 101                            | 27        | 2          | 48                  | 4                              | 20                                | 52     | 13        | 1          | 28                  | 2                              | 8                                 |
| Other U.S.<br>Territories        | 207                            | 7         | 2          | 8                   | 28                             | 162                               | 203    | 5         | 2          | 6                   | 28                             | 162                               |
| SOURCE: N-SSA<br>a. One FTE is 4 | TS 2016, Ques<br>working hours |           |            |                     |                                |                                   |        |           | •          |                     |                                |                                   |

| TAB                  | LE B.9.b. Percenta | age of Medical Staff | Certified in Addicti | on Treatment by Pro | fession and State, 2        | 016                            |
|----------------------|--------------------|----------------------|----------------------|---------------------|-----------------------------|--------------------------------|
|                      | Total              | Physician            | Pharmacist           | Registered Nurse    | Licensed Practical<br>Nurse | Mid-Level Medical<br>Personnel |
| Total                | 19                 | 42                   | 23                   | 8                   | 10                          | 20                             |
| Alabama              | 21                 | 39                   | 21                   | 9                   | 17                          | 32                             |
| Alaska               | 17                 | 28                   | 0                    | 9                   | 14                          | 8                              |
| Arizona              | 14                 | 30                   | 14                   | 8                   | 5                           | 17                             |
| Arkansas             | 13                 | 28                   | 6                    | 7                   | 8                           | 6                              |
| California           | 40                 | 59                   | 85                   | 12                  | 18                          | 34                             |
| Colorado             | 19                 | 39                   | 0                    | 9                   | 3                           | 14                             |
| Connecticut          | 24                 | 47                   | 28                   | 8                   | 18                          | 26                             |
| Delaware             | 21                 | 57                   | 0                    | 8                   | 7                           | 23                             |
| District of Columbia | 39                 | 45                   | 40                   | 36                  | 60                          | 19                             |
| Florida              | 21                 | 36                   | 22                   | 12                  | 16                          | 26                             |
| Georgia              | 14                 | 43                   | 9                    | 4                   | 8                           | 20                             |
| Hawaii               | 30                 | 43                   | NA                   | 11                  | 0                           | 40                             |
| Idaho                | 14                 | 45                   | 9                    | 5                   | 6                           | 7                              |
| Illinois             | 27                 | 48                   | 8                    | 13                  | 16                          | 14                             |
| Indiana              | 7                  | 21                   | 0                    | 2                   | 4                           | 13                             |
| lowa                 | 7                  | 18                   | 0                    | 1                   | 5                           | 11                             |
| Kansas               | 8                  | 22                   | 5                    | 0                   | 4                           | 13                             |
| Kentucky             | 11                 | 33                   | 0                    | 3                   | 2                           | 16                             |
| Louisiana            | 15                 | 43                   | 0                    | 5                   | 2                           | 12                             |
| Maine                | 16                 | 49                   | 5                    | 5                   | 15                          | 9                              |
| Maryland             | 26                 | 50                   | 10                   | 13                  | 11                          | 27                             |
| Massachusetts        | 20                 | 44                   | 3                    | 8                   | 12                          | 21                             |
| Michigan             | 12                 | 23                   | 1                    | 7                   | 7                           | 9                              |
| Minnesota            | 17                 | 45                   | 16                   | 10                  | 11                          | 25                             |
| Mississippi          | 6                  | 26                   | 0                    | 1                   | 1                           | 12                             |
| Missouri             | 12                 | 35                   | 0                    | 3                   | 5                           | 25                             |
| Montana              | 7                  | 12                   | 6                    | 7                   | 3                           | 6                              |
| Nebraska             | 15                 | 23                   | 3                    | 11                  | 12                          | 17                             |
| Nevada               | 16                 | 42                   | 0                    | 9                   | 9                           | 9                              |
| New Hampshire        | 21                 | 42                   | 17                   | 2                   | 2                           | 6                              |
| New Jersey           | 25                 | 48                   | 13                   | 11                  | 14                          | 33                             |
| New Mexico           | 18                 | 30                   | 15                   | 9                   | 12                          | 16                             |
| New York             | 26                 | 57                   | 10                   | 15                  | 9                           | 20                             |
| North Carolina       | 15                 | 37                   | 5                    | 4                   | 5                           | 21                             |
| North Dakota         | 5                  | 5                    | 0                    | 1                   | 0                           | 39                             |
| Ohio                 | 19                 | 38                   | 4                    | 10                  | 13                          | 13                             |
| Oklahoma             | 11                 | 29                   | 2                    | 4                   | 5                           | 7                              |

|                           |       | T/        | ABLE B.9.b (continu | ued)             |                             |                                |
|---------------------------|-------|-----------|---------------------|------------------|-----------------------------|--------------------------------|
|                           | Total | Physician | Pharmacist          | Registered Nurse | Licensed Practical<br>Nurse | Mid-Level Medical<br>Personnel |
| Oregon                    | 17    | 40        | 0                   | 12               | 1                           | 13                             |
| Pennsylvania              | 12    | 36        | 3                   | 2                | 5                           | 14                             |
| Puerto Rico               | 33    | 47        | 23                  | 23               | 32                          | 33                             |
| Rhode Island              | 27    | 54        | 27                  | 15               | 15                          | 30                             |
| South Carolina            | 9     | 33        | 6                   | 1                | 14                          | 8                              |
| South Dakota              | 5     | 13        | 0                   | 3                | 4                           | 5                              |
| Tennessee                 | 13    | 44        | 8                   | 2                | 9                           | 11                             |
| Texas                     | 12    | 48        | 7                   | 4                | 9                           | 20                             |
| Utah                      | 36    | 57        | 8                   | 19               | 25                          | 45                             |
| Vermont                   | 18    | 38        | 40                  | 5                | 11                          | 17                             |
| Virginia                  | 11    | 30        | 7                   | 6                | 2                           | 15                             |
| Washington                | 32    | 55        | 35                  | 13               | 13                          | 43                             |
| West Virginia             | 9     | 35        | 0                   | 2                | 1                           | 9                              |
| Wisconsin                 | 13    | 35        | 9                   | 3                | 1                           | 18                             |
| Wyoming                   | 16    | 33        | 0                   | 8                | 0                           | 15                             |
| Other U.S.<br>Territories | 7     | 43        | 0                   | 25               | 7                           | 5                              |

**SOURCE**: N-SSATS 2016, Question 22.

**NOTE**: The percentages of staff who are certified in addiction treatment are calculated by dividing the number of staff certified in addiction treatment by the total number of staff in facilities that reported information on staff certification. Nearly all (99.8%) of the reported staff worked in facilities that reported counts of certified staff.

|                         | TA      | ABLE B.10                  | .a. Numbe            | r of FTEs f                           | or Paid Cou            | nseling and    | d Support Staff by Profession and State, 2016 |                            |                      |                                       |                        |                |
|-------------------------|---------|----------------------------|----------------------|---------------------------------------|------------------------|----------------|---|----------------------------|----------------------|---------------------------------------|------------------------|----------------|
|                         |         |                            | Nur                  | nber of Staff                         |                        |                |   |                            | Numb                 | er of FTE <sup>a</sup> Staff          |                        |                |
|                         |         |                            | Counselors           |                                       | Suppo                  | rt Staff       |   |                            | Counselors           |                                       | Suppo                  | ort Staff      |
| State                   | Total   | Post-<br>Graduate<br>Level | Bachelor's<br>Degree | Associate's<br>Degree or<br>No-Degree | Non-<br>Administrative | Administrative | Total   | Post-<br>Graduate<br>Level | Bachelor's<br>Degree | Associate's<br>Degree or<br>No-Degree | Non-<br>Administrative | Administrative |
| Total                   | 200,784 | 60,163                     | 26,447               | 18,132                                | 54,988                 | 41,054         | 160,241                                       | 47,210                     | 22,038               | 14,527                                | 41,008                 | 35,457         |
| Alabama                 | 1,450   | 637                        | 130                  | 41                                    | 320                    | 322            | 1,112   | 482                        | 118                  | 26                                    | 214                    | 272            |
| Alaska                  | 1,083   | 284                        | 143                  | 133                                   | 299                    | 224            | 1,035   | 278                        | 135                  | 121                                   | 279                    | 223            |
| Arizona                 | 6,442   | 1,590                      | 668                  | 368                                   | 2,639                  | 1,178          | 5,320   | 1,255                      | 533                  | 296                                   | 2,199                  | 1,038          |
| Arkansas                | 1,188   | 356                        | 177                  | 154                                   | 232                    | 269            | 907   | 252                        | 149                  | 123                                   | 159                    | 223            |
| California              | 19,155  | 3,871                      | 1,865                | 4,331                                 | 5,591                  | 3,498          | 14,907  | 2,918                      | 1,500                | 3,348                                 | 4,036                  | 3,105          |
| Colorado                | 3,935   | 1,435                      | 643                  | 337                                   | 754                    | 766            | 3,042   | 1,140                      | 508                  | 238                                   | 526                    | 629            |
| Connecticut             | 3,576   | 1,363                      | 383                  | 221                                   | 976                    | 633            | 2,820   | 1,093                      | 318                  | 175                                   | 676                    | 558            |
| Delaware                | 520     | 167                        | 95                   | 46                                    | 87                     | 125            | 427   | 137                        | 74                   | 41                                    | 65                     | 112            |
| District of<br>Columbia | 400     | 128                        | 53                   | 42                                    | 99                     | 78             | 298   | 91                         | 44                   | 37                                    | 67                     | 60             |
| Florida                 | 12,359  | 3,215                      | 1,238                | 648                                   | 5,096                  | 2,163          | 9,938   | 2,560                      | 1,027                | 524                                   | 3,896                  | 1,932          |
| Georgia                 | 5,153   | 1,702                      | 770                  | 506                                   | 1,214                  | 961            | 3,616   | 1,085                      | 489                  | 412                                   | 784                    | 846            |
| Hawaii                  | 1,953   | 603                        | 309                  | 218                                   | 532                    | 291            | 1,082   | 340                        | 233                  | 180                                   | 207                    | 123            |
| Idaho                   | 1,438   | 587                        | 173                  | 84                                    | 305                    | 289            | 976   | 376                        | 121                  | 61                                    | 168                    | 250            |
| Illinois                | 7,193   | 2,263                      | 1,345                | 612                                   | 1,378                  | 1,595          | 5,410   | 1,702                      | 1,053                | 476                                   | 938                    | 1,241          |
| Indiana                 | 4,853   | 1,590                      | 1,079                | 335                                   | 893                    | 956            | 4,157   | 1,335                      | 972                  | 285                                   | 709                    | 855            |
| lowa                    | 1,662   | 496                        | 446                  | 119                                   | 277                    | 324            | 1,395   | 423                        | 360                  | 115                                   | 212                    | 285            |
| Kansas                  | 2,366   | 748                        | 255                  | 129                                   | 711                    | 523            | 2,019   | 646                        | 218                  | 123                                   | 564                    | 468            |
| Kentucky                | 4,482   | 1,322                      | 628                  | 389                                   | 1,275                  | 868            | 3,248   | 1,011                      | 401                  | 73                                    | 1,043                  | 720            |
| Louisiana               | 1,694   | 466                        | 176                  | 91                                    | 573                    | 388            | 1,386   | 373                        | 138                  | 74                                    | 466                    | 334            |
| Maine                   | 1,608   | 510                        | 222                  | 109                                   | 430                    | 338            | 1,244   | 372                        | 182                  | 98                                    | 315                    | 278            |
| Maryland                | 4,338   | 1,296                      | 644                  | 475                                   | 939                    | 984            | 3,414   | 999                        | 524                  | 387                                   | 650                    | 853            |
| Massachusetts           | 6,239   | 2,314                      | 634                  | 459                                   | 1,679                  | 1,153          | 4,807   | 1,778                      | 535                  | 329                                   | 1,197                  | 968            |
| Michigan                | 7,790   | 3,167                      | 601                  | 287                                   | 1,932                  | 1,803          | 6,340   | 2,418                      | 515                  | 235                                   | 1,590                  | 1,582          |
| Minnesota               | 4,460   | 912                        | 1,057                | 333                                   | 1,286                  | 872            | 3,639   | 748                        | 928                  | 284                                   | 933                    | 745            |
| Mississippi             | 1,474   | 545                        | 172                  | 61                                    | 454                    | 242            | 1,203   | 455                        | 148                  | 52                                    | 325                    | 222            |
| Missouri                | 4,269   | 908                        | 366                  | 206                                   | 1,966                  | 822            | 3,421   | 760                        | 303                  | 163                                   | 1,438                  | 758            |
| Montana                 | 979     | 151                        | 118                  | 59                                    | 350                    | 301            | 870   | 137                        | 110                  | 46                                    | 317                    | 259            |
| Nebraska                | 1,515   | 551                        | 124                  | 51                                    | 459                    | 330            | 1,232   | 420                        | 111                  | 47                                    | 355                    | 298            |
| Nevada                  | 1,253   | 247                        | 173                  | 59                                    | 460                    | 314            | 992   | 200                        | 127                  | 54                                    | 339                    | 273            |
| New<br>Hampshire        | 1,633   | 662                        | 156                  | 58                                    | 275                    | 482            | 1,435   | 558                        | 153                  | 52                                    | 205                    | 467            |
| New Jersey              | 4,383   | 1,531                      | 580                  | 384                                   | 956                    | 932            | 3,418   | 1,153                      | 491                  | 350                                   | 638                    | 787            |
| New Mexico              | 1,993   | 720                        | 135                  | 111                                   | 464                    | 563            | 1,630   | 555                        | 113                  | 83                                    | 372                    | 506            |
| New York                | 11,661  | 3,487                      | 1,705                | 1,737                                 | 2,143                  | 2,589          | 8,820   | 2,667                      | 1,422                | 1,376                                 | 1,279                  | 2,076          |
| North Carolina          | 6,723   | 2,391                      | 964                  | 417                                   | 1,465                  | 1,487          | 5,445   | 1,913                      | 799                  | 370                                   | 1,121                  | 1,242          |
| North Dakota            | 1,204   | 269                        | 203                  | 72                                    | 436                    | 224            | 997   | 225                        | 172                  | 51                                    | 354                    | 194            |
| Ohio                    | 8,738   | 2,601                      | 1,269                | 807                                   | 2,170                  | 1,891          | 7,276   | 2,237                      | 1,135                | 686                                   | 1,562                  | 1,656          |
| Oklahoma                | 3,080   | 1,174                      | 379                  | 93                                    | 764                    | 670            | 2,520   | 883                        | 307                  | 87                                    | 626                    | 617            |

|                           |       |                            | Nur                  | nber of Staff                         |                        |                |       |                            | Numb                 | er of FTE <sup>a</sup> Staff          |                        |                |
|---------------------------|-------|----------------------------|----------------------|---------------------------------------|------------------------|----------------|-------|----------------------------|----------------------|---------------------------------------|------------------------|----------------|
|                           |       |                            | Counselors           |                                       | Suppo                  | rt Staff       |       |                            | Counselors           |                                       | Support Staff          |                |
| State                     | Total | Post-<br>Graduate<br>Level | Bachelor's<br>Degree | Associate's<br>Degree or<br>No-Degree | Non-<br>Administrative | Administrative | Total | Post-<br>Graduate<br>Level | Bachelor's<br>Degree | Associate's<br>Degree or<br>No-Degree | Non-<br>Administrative | Administrative |
| Oregon                    | 3,212 | 932                        | 539                  | 434                                   | 615                    | 693            | 2,730 | 767                        | 487                  | 396                                   | 466                    | 614            |
| Pennsylvania              | 7,585 | 2,470                      | 1,286                | 246                                   | 1,950                  | 1,634          | 6,136 | 1,973                      | 1,109                | 199                                   | 1,457                  | 1,398          |
| Puerto Rico               | 1,210 | 257                        | 124                  | 32                                    | 447                    | 350            | 893   | 194                        | 96                   | 22                                    | 317                    | 263            |
| Rhode Island              | 982   | 250                        | 181                  | 69                                    | 263                    | 219            | 815   | 214                        | 172                  | 64                                    | 200                    | 164            |
| South Carolina            | 1,715 | 684                        | 167                  | 30                                    | 412                    | 422            | 1,405 | 554                        | 151                  | 28                                    | 316                    | 357            |
| South Dakota              | 936   | 180                        | 166                  | 106                                   | 306                    | 178            | 822   | 165                        | 153                  | 100                                   | 240                    | 165            |
| Tennessee                 | 4,314 | 1,128                      | 603                  | 148                                   | 1,503                  | 932            | 3,577 | 913                        | 532                  | 132                                   | 1,156                  | 845            |
| Texas                     | 6,039 | 1,344                      | 652                  | 648                                   | 2,227                  | 1,168          | 5,051 | 1,068                      | 558                  | 539                                   | 1,818                  | 1,067          |
| Utah                      | 3,828 | 1,081                      | 295                  | 241                                   | 1,607                  | 604            | 2,947 | 793                        | 247                  | 189                                   | 1,199                  | 519            |
| Vermont                   | 888   | 366                        | 117                  | 82                                    | 159                    | 164            | 724   | 309                        | 101                  | 71                                    | 103                    | 141            |
| Virginia                  | 4,514 | 1,718                      | 704                  | 243                                   | 1,060                  | 789            | 3,918 | 1,505                      | 620                  | 220                                   | 880                    | 694            |
| Washington                | 5,408 | 1,195                      | 929                  | 991                                   | 1,229                  | 1,063          | 4,680 | 1,029                      | 832                  | 863                                   | 1,002                  | 953            |
| West Virginia             | 1,409 | 430                        | 236                  | 71                                    | 354                    | 318            | 1,195 | 358                        | 206                  | 63                                    | 282                    | 286            |
| Wisconsin                 | 3,683 | 1,571                      | 324                  | 183                                   | 706                    | 899            | 2,857 | 1,138                      | 269                  | 142                                   | 519                    | 790            |
| Wyoming                   | 683   | 279                        | 33                   | 16                                    | 208                    | 147            | 571   | 240                        | 27                   | 13                                    | 171                    | 120            |
| Other U.S.<br>Territories | 138   | 21                         | 15                   | 10                                    | 64                     | 28             | 123   | 15                         | 15                   | 9                                     | 57                     | 27             |

| TABLE B.10.b. Per    | TABLE B.10.b. Percentages of Counseling and Other Support Staff Certified in Addiction Treatment by Profession and State, 2016 |                        |                   |  |                        |                |  |  |  |  |  |  |  |
|----------------------|--|------------------------|-------------------|--|------------------------|----------------|--|--|--|--|--|--|--|
|                      |  |                        | Counselors        |  | Suppo                  | ort Staff      |  |  |  |  |  |  |  |
| State                | Total  | Post-Graduate<br>Level | Bachelor's Degree | Associate's<br>Degree or No-<br>Degree | Non-<br>Administrative | Administrative |  |  |  |  |  |  |  |
| Total                | 30   | 40                     | 49                | 59                                     | 17                     | 7              |  |  |  |  |  |  |  |
| Alabama              | 39   | 53                     | 62                | 44                                     | 29                     | 10             |  |  |  |  |  |  |  |
| Alaska               | 26   | 45                     | 42                | 38                                     | 9                      | 8              |  |  |  |  |  |  |  |
| Arizona              | 13   | 30                     | 15                | 17                                     | 7                      | 2              |  |  |  |  |  |  |  |
| Arkansas             | 24   | 24                     | 40                | 45                                     | 18                     | 5              |  |  |  |  |  |  |  |
| California           | 44   | 39                     | 65                | 76                                     | 34                     | 14             |  |  |  |  |  |  |  |
| Colorado             | 37   | 47                     | 53                | 68                                     | 21                     | 9              |  |  |  |  |  |  |  |
| Connecticut          | 23   | 32                     | 37                | 39                                     | 13                     | 7              |  |  |  |  |  |  |  |
| Delaware             | 32   | 43                     | 68                | 37                                     | 15                     | 2              |  |  |  |  |  |  |  |
| District of Columbia | 40   | 51                     | 75                | 90                                     | 10                     | 8              |  |  |  |  |  |  |  |
| Florida              | 20   | 36                     | 32                | 33                                     | 11                     | 8              |  |  |  |  |  |  |  |
| Georgia              | 20   | 25                     | 32                | 24                                     | 17                     | 3              |  |  |  |  |  |  |  |
| Hawaii               | 33   | 66                     | 20                | 34                                     | 18                     | 5              |  |  |  |  |  |  |  |
| Idaho                | 38   | 50                     | 61                | 73                                     | 20                     | 7              |  |  |  |  |  |  |  |
| Illinois             | 41   | 49                     | 53                | 68                                     | 36                     | 15             |  |  |  |  |  |  |  |
| Indiana              | 17   | 30                     | 19                | 12                                     | 8                      | 2              |  |  |  |  |  |  |  |
| lowa                 | 34   | 43                     | 59                | 30                                     | 15                     | 2              |  |  |  |  |  |  |  |
| Kansas               | 34   | 55                     | 92                | 53                                     | 10                     | 7              |  |  |  |  |  |  |  |
| Kentucky             | 26   | 32                     | 43                | 86                                     | 9                      | 3              |  |  |  |  |  |  |  |
| Louisiana            | 23   | 33                     | 64                | 69                                     | 8                      | 5              |  |  |  |  |  |  |  |
| Maine                | 36   | 56                     | 67                | 50                                     | 16                     | 7              |  |  |  |  |  |  |  |
| Maryland             | 45   | 56                     | 84                | 71                                     | 25                     | 10             |  |  |  |  |  |  |  |
| Massachusetts        | 17   | 21                     | 31                | 31                                     | 11                     | 4              |  |  |  |  |  |  |  |
| Michigan             | 29   | 45                     | 42                | 51                                     | 19                     | 4              |  |  |  |  |  |  |  |
| Minnesota            | 43   | 53                     | 87                | 67                                     | 16                     | 10             |  |  |  |  |  |  |  |
| Mississippi          | 11   | 17                     | 10                | 20                                     | 8                      | 2              |  |  |  |  |  |  |  |
| Missouri             | 26   | 53                     | 71                | 71                                     | 11                     | 4              |  |  |  |  |  |  |  |
| Montana              | 29   | 71                     | 85                | 78                                     | 6                      | 5              |  |  |  |  |  |  |  |
| Nebraska             | 28   | 55                     | 41                | 63                                     | 6                      | 4              |  |  |  |  |  |  |  |
| Nevada               | 32   | 63                     | 64                | 80                                     | 15                     | 7              |  |  |  |  |  |  |  |
| New Hampshire        | 17   | 17                     | 29                | 47                                     | 22                     | 7              |  |  |  |  |  |  |  |
| New Jersey           | 30   | 51                     | 40                | 37                                     | 12                     | 6              |  |  |  |  |  |  |  |
| New Mexico           | 29   | 38                     | 61                | 76                                     | 22                     | 6              |  |  |  |  |  |  |  |
| New York             | 38   | 42                     | 65                | 60                                     | 29                     | 9              |  |  |  |  |  |  |  |
| North Carolina       | 32   | 51                     | 41                | 44                                     | 19                     | 5              |  |  |  |  |  |  |  |
| North Dakota         | 19   | 32                     | 59                | 8                                      | 3                      | 0              |  |  |  |  |  |  |  |

|                           |       |                        | ABLE B.10.b (continue<br>Counselors |  | Suppo                  | ort Staff      |
|---------------------------|-------|------------------------|-------------------------------------|--|------------------------|----------------|
| State                     | Total | Post-Graduate<br>Level | Bachelor's Degree                   | Associate's<br>Degree or No-<br>Degree | Non-<br>Administrative | Administrative |
| Ohio                      | 33    | 40                     | 54                                  | 64                                     | 25                     | 6              |
| Oklahoma                  | 30    | 50                     | 34                                  | 29                                     | 19                     | 4              |
| Oregon                    | 36    | 38                     | 60                                  | 71                                     | 23                     | 6              |
| Pennsylvania              | 18    | 26                     | 29                                  | 25                                     | 10                     | 3              |
| Puerto Rico               | 35    | 49                     | 55                                  | 78                                     | 34                     | 15             |
| Rhode Island              | 26    | 45                     | 39                                  | 49                                     | 12                     | 5              |
| South Carolina            | 32    | 52                     | 60                                  | 60                                     | 13                     | 4              |
| South Dakota              | 36    | 66                     | 66                                  | 60                                     | 12                     | 6              |
| Tennessee                 | 14    | 16                     | 11                                  | 29                                     | 13                     | 12             |
| Texas                     | 33    | 38                     | 75                                  | 79                                     | 16                     | 9              |
| Utah                      | 21    | 41                     | 41                                  | 27                                     | 9                      | 6              |
| Vermont                   | 31    | 55                     | 38                                  | 13                                     | 9                      | 1              |
| Virginia                  | 15    | 22                     | 18                                  | 38                                     | 7                      | 2              |
| Washington                | 45    | 45                     | 69                                  | 74                                     | 30                     | 13             |
| West Virginia             | 10    | 22                     | 6                                   | 13                                     | 7                      | 1              |
| Wisconsin                 | 33    | 45                     | 58                                  | 87                                     | 19                     | 3              |
| Nyoming                   | 22    | 33                     | 55                                  | 75                                     | 13                     | 2              |
| Other U.S.<br>Ferritories | 16    | 43                     | 60                                  | 40                                     | 0                      | 0              |

**SOURCE**: N-SSATS 2016, Question 22.

**NOTE**: The percentages of staff who are certified in addiction treatment are calculated by dividing the number of staff certified in addiction treatment by the total number of staff in facilities that reported information on staff certification. Nearly all (99.6%) of the reported staff worked in facilities that reported counts of certified staff.

| TABLE                      | B.11.a. F         | <b>FE Medical</b> | Staff and I      | Percentage          | Certified i                    | n Addictio                        | n Treatmei |           |                   |                     |                                | c, 2016                           |
|----------------------------|-------------------|-------------------|------------------|---------------------|--------------------------------|-----------------------------------|------------|-----------|-------------------|---------------------|--------------------------------|-----------------------------------|
|                            |                   |                   | FTE <sup>a</sup> | Staff               |                                |                                   |            | Perce     | ntage Certified i | n Addiction Trea    | atment                         |                                   |
| Facility<br>Type           | Total             | Physician         | Pharmacist       | Registered<br>Nurse | Licensed<br>Practical<br>Nurse | Mid-Level<br>Medical<br>Personnel | Total      | Physician | Pharmacist        | Registered<br>Nurse | Licensed<br>Practical<br>Nurse | Mid-Level<br>Medical<br>Personnel |
| Total                      | 37,318            | 7,576             | 1,110            | 16,515              | 8,073                          | 4,043                             | 19         | 42        | 23                | 8                   | 10                             | 20                                |
| Facility focus             |                   |                   |                  |                     |                                |                                   |            |           |                   |                     |                                |                                   |
| SUD<br>treatment           | 14,184            | 2,619             | 264              | 5,301               | 4,645                          | 1,355                             | 30         | 61        | 40                | 15                  | 13                             | 31                                |
| MH<br>treatment            | 5,381             | 922               | 157              | 3,239               | 636                            | 428                               | 5          | 15        | 4                 | 2                   | 1                              | 6                                 |
| SUD and<br>MH<br>treatment | 13,782            | 3,110             | 432              | 6,448               | 2,205                          | 1,586                             | 15         | 34        | 10                | 5                   | 7                              | 18                                |
| Other                      | 3,971             | 926               | 258              | 1,527               | 586                            | 674                               | 4          | 11        | 2                 | 1                   | 2                              | 5                                 |
| Operation                  |                   |                   |                  |                     |                                |                                   |            |           |                   |                     |                                |                                   |
| Private NP                 | 15,569            | 3,315             | 361              | 6,888               | 2,986                          | 2,019                             | 21         | 40        | 42                | 9                   | 13                             | 19                                |
| Private FP                 | 12,889            | 2,315             | 248              | 5,781               | 3,498                          | 1,048                             | 22         | 53        | 14                | 7                   | 10                             | 29                                |
| Public                     | 8,860             | 1,946             | 501              | 3,846               | 1,589                          | 977                               | 10         | 25        | 3                 | 5                   | 3                              | 8                                 |
| Federally certifi          | ed OTP            |                   |                  |                     |                                |                                   |            |           |                   |                     |                                |                                   |
| OTP                        | 6,502             | 1,023             | 167              | 2,116               | 2,625                          | 571                               | 26         | 61        | 17                | 14                  | 14                             | 31                                |
| Not OTP                    | 30,815            | 6,552             | 943              | 14,399              | 5,448                          | 3,473                             | 18         | 38        | 24                | 6                   | 8                              | 18                                |
| Any pharmacot              |                   |                   |                  |                     |                                |                                   |            |           |                   |                     |                                |                                   |
| Provide                    | 30,509            | 5,661             | 951              | 13,922              | 6,980                          | 2,994                             | 19         | 45        | 24                | 8                   | 10                             | 19                                |
| Do not<br>provide          | 6,809             | 1,915             | 159              | 2,593               | 1,093                          | 1,049                             | 20         | 33        | 6                 | 8                   | 10                             | 23                                |
| Any pharmacot              | herapy for opioid | disorders         |                  |                     |                                |                                   |            |           |                   |                     |                                |                                   |
| Provide                    | 27,801            | 5,089             | 863              | 12,574              | 6,589                          | 2,686                             | 20         | 47        | 26                | 8                   | 10                             | 20                                |
| Do not<br>provide          | 9,517             | 2,487             | 247              | 3,941               | 1,484                          | 1,357                             | 17         | 31        | 5                 | 6                   | 8                              | 20                                |
| SOURCE: N-S                | SATS 2016, Que    | estion 22.        | I                |                     |                                |                                   |            |           |                   |                     |                                |                                   |

NOTE: The percentages of staff who are certified in addiction treatment are calculated by dividing the number of staff certified in addiction treatment by the total number of staff in facilities that reported information on staff certification. Nearly all (99.6%) of the reported staff worked in facilities that reported counts of certified staff. Facility operation was self-designated in N-SSATS Question 4 in 2013 and Question 7 in 2015.

a. One FTE is 40 working hours per week.

| TABLE B.11              | .b. FTE (       | Counselin                  | g Staff an           | d Percenta                            | age Certified                   | l in Addictio           | n Treatm | ent by Pr                  | ofession             | and Facilit                           | y Character                     | istic, 2016             |
|-------------------------|-----------------|----------------------------|----------------------|---------------------------------------|---------------------------------|-------------------------|----------|----------------------------|----------------------|---------------------------------------|---------------------------------|-------------------------|
|                         |                 |                            |                      | FTE <sup>a</sup> Staff                |                                 |                         |          | Pe                         | ercentage Certi      | fied in Addictio                      | n Treatment                     |                         |
|                         |                 |                            | Counselor            |                                       | Suppo                           | ort Staff               |          |                            | Counselor            |                                       | Staff                           | Staff                   |
| Facility Type           | Total           | Post-<br>Graduate<br>Level | Bachelor's<br>Degree | Associate's<br>Degree or<br>No-Degree | Non-<br>Administrative<br>Staff | Administrative<br>Staff | Total    | Post-<br>Graduate<br>Level | Bachelor's<br>Degree | Associate's<br>Degree or<br>No-Degree | Non-<br>Administrative<br>Staff | Administrative<br>Staff |
| Total                   | 160,241         | 47,210                     | 22,038               | 14,527                                | 41,008                          | 35,457                  | 30       | 40                         | 49                   | 59                                    | 17                              | 7                       |
| Facility focus          |                 |                            |                      |                                       |                                 |                         |          |                            |                      |                                       |                                 |                         |
| SUD treatment           | 73,862          | 17,537                     | 11,709               | 9,591                                 | 19,796                          | 15,229                  | 41       | 58                         | 64                   | 67                                    | 24                              | 11                      |
| MH treatment            | 18,518          | 6,503                      | 2,401                | 785                                   | 4,786                           | 4,044                   | 9        | 16                         | 10                   | 14                                    | 4                               | 2                       |
| SUD and MH<br>treatment | 62,660          | 21,805                     | 7,550                | 3,858                                 | 14,897                          | 14,550                  | 24       | 33                         | 37                   | 49                                    | 14                              | 5                       |
| Other                   | 5,201           | 1,365                      | 377                  | 294                                   | 1,529                           | 1,635                   | 15       | 25                         | 42                   | 46                                    | 7                               | 2                       |
| Operation               | •               |                            | •                    | •                                     | •                               | •                       |          | •                          | •                    | •                                     |                                 |                         |
| Private NP              | 89,819          | 26,580                     | 12,901               | 8,575                                 | 22,499                          | 19,264                  | 29       | 39                         | 46                   | 56                                    | 17                              | 7                       |
| Private FP              | 47,773          | 13,340                     | 6,598                | 4,128                                 | 12,630                          | 11,078                  | 33       | 43                         | 52                   | 62                                    | 21                              | 8                       |
| Public                  | 22,649          | 7,291                      | 2,539                | 1,824                                 | 5,879                           | 5,116                   | 25       | 34                         | 51                   | 65                                    | 9                               | 4                       |
| Federally certified O   | TP              |                            |                      |                                       |                                 |                         |          |                            |                      |                                       |                                 |                         |
| OTP                     | 16,303          | 4,676                      | 3,612                | 2,142                                 | 2,379                           | 3,494                   | 39       | 50                         | 55                   | 62                                    | 21                              | 7                       |
| Not OTP                 | 143,935         | 42,533                     | 18,426               | 12,385                                | 38,629                          | 31,963                  | 29       | 39                         | 48                   | 58                                    | 17                              | 7                       |
| Any pharmacotherap      | by .            |                            |                      |                                       |                                 |                         |          |                            |                      |                                       |                                 |                         |
| Provide                 | 92,710          | 27,152                     | 12,481               | 7,759                                 | 24,264                          | 21,055                  | 28       | 39                         | 48                   | 56                                    | 16                              | 6                       |
| Do not provide          | 67,530          | 20,059                     | 9,557                | 6,768                                 | 16,744                          | 14,403                  | 32       | 41                         | 50                   | 62                                    | 20                              | 8                       |
| Any pharmacotherap      | y for opioid di | sorders                    |                      |                                       |                                 |                         |          |                            |                      |                                       |                                 |                         |
| Provide                 | 81,070          | 23,334                     | 11,249               | 6,884                                 | 21,245                          | 18,359                  | 29       | 40                         | 48                   | 57                                    | 17                              | 6                       |
| Do not provide          | 79,171          | 23,877                     | 10,789               | 7,643                                 | 19,763                          | 17,099                  | 31       | 39                         | 49                   | 60                                    | 18                              | 8                       |
| SOURCE NUSSAT           | 2016 Quest      | ion 99                     |                      |                                       |                                 |                         |          |                            |                      |                                       |                                 | -                       |

SOURCE: N-SSATS 2016, Question 22.

NOTE: The percentages of staff who are certified in addiction treatment are calculated by dividing the number of staff certified in addiction treatment by the total number of staff in facilities that reported information on staff certification. Nearly all (99.6%) of the reported staff worked in facilities that reported counts of certified staff. Facility operation was self-designated in N-SSATS Question 7.

a. One FTE is 40 working hours per week.

| ٦                       | TABLE B.12 |           |            |                                   |                     | nts per Week<br>f Staff and Sta |                        |                      | ent Facilities                         | i             |
|-------------------------|------------|-----------|------------|-----------------------------------|---------------------|---------------------------------|------------------------|----------------------|--|---------------|
|                         |            |           | , e, epa   | Medical Staff                     |                     |                                 |                        | Counselor            |  |               |
| State                   | Total      | Physician | Pharmacist | Mid-Level<br>Medical<br>Personnel | Registered<br>Nurse | Licensed<br>Practical Nurse     | Post-Graduate<br>Level | Bachelor's<br>Degree | Associate's<br>Degree or No-<br>Degree | Support Staff |
| Total                   | 292        | 15        | 3          | 9                                 | 14                  | 13                              | 113                    | 51                   | 27                                     | 47            |
| Alabama                 | 238        | 11        | 8          | 4                                 | 15                  | 21                              | 123                    | 26                   | 3                                      | 27            |
| Alaska                  | 537        | 32        | 15         | 16                                | 9                   | 8                               | 213                    | 66                   | 74                                     | 104           |
| Arizona                 | 300        | 9         | 1          | 11                                | 8                   | 10                              | 86                     | 42                   | 18                                     | 113           |
| Arkansas                | 295        | 14        | 5          | 12                                | 5                   | 27                              | 136                    | 45                   | 21                                     | 31            |
| California              | 289        | 19        | 1          | 8                                 | 7                   | 11                              | 78                     | 41                   | 73                                     | 51            |
| Colorado                | 237        | 9         | 3          | 10                                | 8                   | 3                               | 110                    | 39                   | 16                                     | 38            |
| Connecticut             | 197        | 10        | 0          | 9                                 | 8                   | 12                              | 86                     | 26                   | 8                                      | 39            |
| Delaware                | 184        | 9         | 13         | 4                                 | 10                  | 15                              | 72                     | 34                   | 10                                     | 18            |
| District of<br>Columbia | 329        | 26        | 4          | 22                                | 22                  | 10                              | 110                    | 48                   | 54                                     | 32            |
| Florida                 | 368        | 29        | 3          | 8                                 | 12                  | 22                              | 131                    | 54                   | 13                                     | 95            |
| Georgia                 | 312        | 14        | 8          | 5                                 | 13                  | 30                              | 128                    | 49                   | 23                                     | 42            |
| Hawaii                  | 749        | 11        | 0          | 1                                 | 4                   | 2                               | 303                    | 228                  | 152                                    | 47            |
| Idaho                   | 384        | 3         | 0          | 13                                | 4                   | 5                               | 193                    | 67                   | 34                                     | 65            |
| Illinois                | 325        | 24        | 2          | 5                                 | 13                  | 12                              | 133                    | 66                   | 30                                     | 41            |
| Indiana                 | 384        | 11        | 2          | 7                                 | 15                  | 12                              | 129                    | 133                  | 39                                     | 37            |
| lowa                    | 455        | 11        | 2          | 14                                | 22                  | 7                               | 175                    | 156                  | 22                                     | 46            |
| Kansas                  | 550        | 20        | 8          | 25                                | 34                  | 20                              | 200                    | 64                   | 40                                     | 140           |
| Kentucky                | 247        | 10        | 0          | 6                                 | 4                   | 5                               | 112                    | 43                   | 6                                      | 61            |
| Louisiana               | 258        | 20        | 7          | 3                                 | 12                  | 21                              | 102                    | 34                   | 19                                     | 40            |
| Maine                   | 284        | 11        | 4          | 6                                 | 22                  | 7                               | 102                    | 49                   | 18                                     | 60            |
| Maryland                | 201        | 12        | 1          | 6                                 | 10                  | 17                              | 66                     | 36                   | 25                                     | 26            |
| Massachusetts           | 187        | 9         | 1          | 8                                 | 11                  | 7                               | 112                    | 12                   | 3                                      | 25            |
| Michigan                | 261        | 15        | 2          | 5                                 | 9                   | 10                              | 140                    | 24                   | 9                                      | 47            |
| Minnesota               | 437        | 7         | 8          | 9                                 | 38                  | 19                              | 116                    | 143                  | 35                                     | 62            |
| Mississippi             | 964        | 59        | 12         | 23                                | 82                  | 18                              | 472                    | 140                  | 16                                     | 138           |
| Missouri                | 275        | 13        | 0          | 6                                 | 12                  | 11                              | 84                     | 46                   | 23                                     | 80            |
| Montana                 | 473        | 40        | 18         | 24                                | 57                  | 48                              | 99                     | 77                   | 43                                     | 68            |
| Nebraska                | 524        | 53        | 18         | 25                                | 20                  | 15                              | 251                    | 47                   | 26                                     | 70            |
| Nevada                  | 249        | 15        | 10         | 6                                 | 15                  | 14                              | 65                     | 45                   | 20                                     | 56            |
| New Hampshire           | 107        | 8         | 0          | 6                                 | 5                   | 14                              | 35                     | 20                   | 7                                      | 11            |
| New Jersey              | 300        | 17        | 2          | 5                                 | 20                  | 8                               | 131                    | 54                   | 34                                     | 29            |
| New Mexico              | 260        | 13        | 9          | 12                                | 17                  | 8                               | 106                    | 24                   | 19                                     | 52            |
| New York                | 192        | 10        | 0          | 5                                 | 16                  | 6                               | 79                     | 35                   | 24                                     | 17            |
| North Carolina          | 366        | 34        | 4          | 10                                | 26                  | 17                              | 150                    | 57                   | 24                                     | 43            |
| North Dakota            | 958        | 52        | 15         | 42                                | 111                 | 3                               | 328                    | 85                   | 12                                     | 309           |
| Ohio                    | 442        | 18        | 5          | 10                                | 24                  | 17                              | 172                    | 78                   | 33                                     | 85            |
| Oklahoma                | 325        | 12        | 13         | 7                                 | 15                  | 18                              | 145                    | 52                   | 8                                      | 55            |
|                         | 325        | 12        | 7          | 8                                 | 15                  | 10                              | 145                    | <u> </u>             | o<br>54                                | 36            |
| Oregon                  | 321        | IU        | 1          | Ŏ                                 |                     | 10                              | 120                    | 02                   | 94                                     | 30            |

|                |                     |           |            | TABLE                             | B.12.a (cor         | tinued)                     |                        |                      |  |               |
|----------------|---------------------|-----------|------------|-----------------------------------|---------------------|-----------------------------|------------------------|----------------------|--|---------------|
|                |                     |           |            | Medical Staff                     |                     |                             |                        | Counselor            |  |               |
| State          | Total               | Physician | Pharmacist | Mid-Level<br>Medical<br>Personnel | Registered<br>Nurse | Licensed<br>Practical Nurse | Post-Graduate<br>Level | Bachelor's<br>Degree | Associate's<br>Degree or No-<br>Degree | Support Staff |
| Pennsylvania   | 223                 | 10        | 1          | 3                                 | 6                   | 15                          | 101                    | 54                   | 6                                      | 26            |
| Puerto Rico    | 167                 | 22        | 1          | 3                                 | 32                  | 7                           | 47                     | 30                   | 2                                      | 23            |
| Rhode Island   | 264                 | 9         | 1          | 11                                | 29                  | 10                          | 76                     | 49                   | 16                                     | 63            |
| South Carolina | 147                 | 6         | 5          | 2                                 | 4                   | 5                           | 80                     | 31                   | 5                                      | 10            |
| South Dakota   | 523                 | 6         | 4          | 20                                | 19                  | 14                          | 170                    | 149                  | 75                                     | 65            |
| Tennessee      | 421                 | 18        | 10         | 29                                | 24                  | 30                          | 136                    | 76                   | 8                                      | 90            |
| Texas          | 240                 | 13        | 1          | 8                                 | 7                   | 17                          | 57                     | 52                   | 47                                     | 38            |
| Utah           | 269                 | 8         | 1          | 14                                | 9                   | 7                           | 128                    | 41                   | 17                                     | 45            |
| Vermont        | 376                 | 18        | 0          | 10                                | 13                  | 13                          | 210                    | 72                   | 13                                     | 28            |
| Virginia       | 548                 | 19        | 4          | 7                                 | 21                  | 28                          | 230                    | 93                   | 21                                     | 125           |
| Washington     | 319                 | 6         | 0          | 11                                | 8                   | 6                           | 100                    | 76                   | 75                                     | 37            |
| West Virginia  | 212                 | 11        | 0          | 9                                 | 8                   | 19                          | 71                     | 54                   | 3                                      | 35            |
| Wisconsin      | 330                 | 22        | 4          | 9                                 | 22                  | 8                           | 173                    | 36                   | 19                                     | 37            |
| Wyoming        | 350                 | 7         | 2          | 7                                 | 12                  | 2                           | 192                    | 30                   | 13                                     | 85            |
| SOURCE: N-SSA  | TS 2016, Question 2 | 22.       | •          | •                                 | •                   | •                           |                        |                      | •                                      | •             |

|                         |       |           |            |                                   |                     | nts per Week<br>e, 2016 (facili |                        |                      |  |               |
|-------------------------|-------|-----------|------------|-----------------------------------|---------------------|---------------------------------|------------------------|----------------------|--|---------------|
|                         |       |           |            | Medical Staff                     |                     | .,                              |                        | Counselor            |  |               |
| State                   | Total | Physician | Pharmacist | Mid-Level<br>Medical<br>Personnel | Registered<br>Nurse | Licensed<br>Practical Nurse     | Post-Graduate<br>Level | Bachelor's<br>Degree | Associate's<br>Degree or No-<br>Degree | Support Staff |
| Total                   | 242   | 15        | 3          | 9                                 | 15                  | 17                              | 87                     | 39                   | 20                                     | 36            |
| Alabama                 | 194   | 10        | 10         | 3                                 | 15                  | 25                              | 94                     | 24                   | 2                                      | 12            |
| Alaska                  | 412   | 28        | 26         | 28                                | 11                  | 15                              | 142                    | 26                   | 16                                     | 118           |
| Arizona                 | 204   | 10        | 1          | 12                                | 10                  | 15                              | 47                     | 23                   | 12                                     | 74            |
| Arkansas                | 246   | 17        | 10         | 5                                 | 6                   | 46                              | 61                     | 47                   | 17                                     | 36            |
| California              | 237   | 21        | 1          | 9                                 | 9                   | 17                              | 66                     | 31                   | 50                                     | 34            |
| Colorado                | 268   | 11        | 5          | 13                                | 12                  | 5                               | 123                    | 41                   | 18                                     | 40            |
| Connecticut             | 162   | 9         | 0          | 9                                 | 8                   | 13                              | 69                     | 15                   | 7                                      | 31            |
| Delaware                | 176   | 9         | 15         | 4                                 | 10                  | 16                              | 63                     | 31                   | 11                                     | 18            |
| District of<br>Columbia | 219   | 24        | 5          | 20                                | 20                  | 13                              | 37                     | 30                   | 50                                     | 20            |
| Florida                 | 308   | 25        | 4          | 9                                 | 14                  | 33                              | 83                     | 37                   | 13                                     | 89            |
| Georgia                 | 227   | 13        | 10         | 4                                 | 9                   | 34                              | 77                     | 40                   | 19                                     | 20            |
| Hawaii                  | 190   | 9         | 0          | 1                                 | 9                   | 4                               | 71                     | 14                   | 45                                     | 35            |
| Idaho                   | 457   | 7         | Ő          | 38                                | 5                   | 11                              | 257                    | 53                   | 24                                     | 62            |
| Illinois                | 291   | 22        | 2          | 6                                 | 16                  | 16                              | 117                    | 60                   | 22                                     | 30            |
| Indiana                 | 342   | 9         | 0          | 7                                 | 15                  | 17                              | 99                     | 134                  | 41                                     | 21            |
| lowa                    | 372   | 8         | 7          | 17                                | 28                  | 11                              | 162                    | 84                   | 11                                     | 45            |
| Kansas                  | 736   | 35        | 15         | 39                                | 57                  | 31                              | 245                    | 42                   | 55                                     | 216           |
| Kentucky                | 194   | 10        | 0          | 6                                 | 8                   | 10                              | 94                     | 37                   | 5                                      | 210           |
| Louisiana               | 212   | 17        | 8          | 4                                 | 13                  | 26                              | 83                     | 22                   | 10                                     | 30            |
| Maine                   | 207   | 17        | 6          | 9                                 | 27                  | 10                              | 52                     | 40                   | 23                                     | 22            |
| Maryland                | 180   | 13        | 1          | 6                                 | 11                  | 20                              | 56                     | 33                   | 23                                     | 17            |
| Massachusetts           | 162   | 10        | 1          | 7                                 | 14                  | 9                               | 90                     | 9                    | 3                                      | 19            |
| Michigan                | 273   | 22        | 3          | 6                                 | 14                  | 17                              | 141                    | 20                   | 9                                      | 42            |
| Minnesota               | 213   | 7         | 5          | 4                                 | 13                  | 26                              | 85                     | 91                   | 23                                     | 42            |
| Mississippi             | 1126  | 188       | 41         | 34                                | 14                  | 69                              | 464                    | 54                   | 23                                     | 83            |
| Missouri                | 219   | 166       | 0          | 9                                 | 107                 | 14                              | 73                     | 33                   | 13                                     | 49            |
|                         | 394   | 61        | 5          | 9<br>12                           | 82                  | 65                              | 76                     | 55                   | 29                                     | 49<br>8       |
| Montana                 | 513   | 40        | 28         | 37                                | 30                  | 25                              | 207                    | 31                   | 32                                     | <u> </u>      |
| Nebraska                | 241   |           |            | 37<br>7                           |                     | 19                              |                        | 34                   |  | 63            |
| Nevada                  |       | 20        | 13         |                                   | 21                  |                                 | 46                     |                      | 18                                     |               |
| New Hampshire           | 90    | 8         | 0          | 3                                 | 4                   | 15                              | 25                     | 17                   | 8                                      | 10            |
| New Jersey              | 251   | 14        | 2          | 4                                 | 23                  | 9                               | 99                     | 47                   | 30                                     | 22            |
| New Mexico              | 234   | 16        | 13         | 14                                | 23                  | 11                              | 75                     | 25                   | 19                                     | 39            |
| New York                | 185   | 10        | 0          | 6                                 | 17                  | 6                               | 75                     | 35                   | 20                                     | 15            |
| North Carolina          | 264   | 31        | 5          | 8                                 | 28                  | 21                              | 101                    | 28                   | 14                                     | 28            |
| North Dakota            | 1114  | 76        | 25         | 6                                 | 163                 | 5                               | 346                    | 20                   | 0                                      | 472           |
| Ohio                    | 404   | 20        | 6          | 10                                | 29                  | 22                              | 127                    | 71                   | 27                                     | 94            |
| Oklahoma                | 151   | 11        | 12         | 5                                 | 11                  | 17                              | 51                     | 23                   | 3                                      | 18            |
| Oregon                  | 307   | 12        | 11         | 11                                | 16                  | 27                              | 80                     | 60                   | 52                                     | 37            |

|                |                     |           |            | TABLE                             | B.12.b (con         | tinued)                     |                        |                      |  |               |
|----------------|---------------------|-----------|------------|-----------------------------------|---------------------|-----------------------------|------------------------|----------------------|--|---------------|
|                |                     |           |            | Medical Staff                     |                     |                             |                        | Counselor            |  |               |
| State          | Total               | Physician | Pharmacist | Mid-Level<br>Medical<br>Personnel | Registered<br>Nurse | Licensed<br>Practical Nurse | Post-Graduate<br>Level | Bachelor's<br>Degree | Associate's<br>Degree or No-<br>Degree | Support Staff |
| Pennsylvania   | 221                 | 11        | 1          | 4                                 | 6                   | 21                          | 96                     | 51                   | 6                                      | 25            |
| Puerto Rico    | 151                 | 22        | 1          | 2                                 | 32                  | 8                           | 39                     | 26                   | 0                                      | 21            |
| Rhode Island   | 279                 | 10        | 1          | 12                                | 31                  | 11                          | 75                     | 50                   | 18                                     | 70            |
| South Carolina | 133                 | 10        | 11         | 0                                 | 5                   | 12                          | 44                     | 39                   | 8                                      | 4             |
| South Dakota   | 481                 | 8         | 0          | 22                                | 16                  | 22                          | 132                    | 137                  | 73                                     | 71            |
| Tennessee      | 247                 | 12        | 5          | 15                                | 8                   | 27                          | 77                     | 38                   | 2                                      | 62            |
| Texas          | 201                 | 16        | 1          | 8                                 | 8                   | 28                          | 36                     | 41                   | 35                                     | 28            |
| Utah           | 222                 | 10        | 1          | 18                                | 11                  | 9                           | 88                     | 34                   | 14                                     | 38            |
| Vermont        | 373                 | 19        | 0          | 13                                | 17                  | 16                          | 204                    | 62                   | 15                                     | 26            |
| Virginia       | 398                 | 17        | 4          | 6                                 | 17                  | 31                          | 177                    | 57                   | 18                                     | 71            |
| Washington     | 204                 | 7         | 1          | 9                                 | 14                  | 14                          | 44                     | 48                   | 44                                     | 23            |
| West Virginia  | 157                 | 11        | 0          | 9                                 | 7                   | 21                          | 49                     | 45                   | 0                                      | 14            |
| Wisconsin      | 362                 | 26        | 6          | 10                                | 28                  | 12                          | 174                    | 48                   | 20                                     | 39            |
| Wyoming        | 388                 | 15        | 4          | 9                                 | 19                  | 4                           | 210                    | 35                   | 11                                     | 80            |
| SOURCE: N-SSA  | TS 2016, Question 2 | 22.       |            |                                   |                     |                             |                        |                      |  |               |

|                         |          |           |            |                                   |                     | nts per Week<br>e, 2016 (facil |                        |                      |  |               |
|-------------------------|----------|-----------|------------|-----------------------------------|---------------------|--------------------------------|------------------------|----------------------|--|---------------|
|                         | <b>J</b> |           |            | Medical Staff                     |                     | .,                             |                        | Counselor            |  |               |
| State                   | Total    | Physician | Pharmacist | Mid-Level<br>Medical<br>Personnel | Registered<br>Nurse | Licensed<br>Practical Nurse    | Post-Graduate<br>Level | Bachelor's<br>Degree | Associate's<br>Degree or No-<br>Degree | Support Staff |
| Total                   | 393      | 14        | 2          | 8                                 | 10                  | 4                              | 167                    | 75                   | 42                                     | 72            |
| Alabama                 | 370      | 12        | 5          | 8                                 | 15                  | 10                             | 210                    | 31                   | 8                                      | 71            |
| Alaska                  | 668      | 36        | 3          | 3                                 | 7                   | 0                              | 287                    | 107                  | 133                                    | 90            |
| Arizona                 | 474      | 7         | 0          | 11                                | 6                   | 2                              | 156                    | 77                   | 29                                     | 185           |
| Arkansas                | 314      | 12        | 3          | 15                                | 5                   | 19                             | 165                    | 44                   | 22                                     | 30            |
| California              | 373      | 14        | 2          | 6                                 | 4                   | 2                              | 97                     | 56                   | 112                                    | 80            |
| Colorado                | 186      | 5         | 0          | 5                                 | 2                   | 0                              | 89                     | 37                   | 15                                     | 33            |
| Connecticut             | 490      | 13        | 0          | 8                                 | 4                   | 0                              | 227                    | 116                  | 16                                     | 106           |
| Delaware                | 250      | 5         | 0          | 4                                 | 7                   | 0                              | 145                    | 66                   | 2                                      | 21            |
| District of<br>Columbia | 720      | 35        | 0          | 31                                | 28                  | 0                              | 370                    | 111                  | 69                                     | 76            |
| Florida                 | 459      | 36        | 1          | 6                                 | 10                  | 6                              | 204                    | 80                   | 13                                     | 103           |
| Georgia                 | 608      | 18        | 1          | 9                                 | 26                  | 12                             | 304                    | 82                   | 38                                     | 118           |
| Hawaii                  | 1261     | 12        | 0          | 1                                 | 0                   | 0                              | 516                    | 424                  | 250                                    | 58            |
| Idaho                   | 364      | 1         | 0          | 6                                 | 3                   | 3                              | 176                    | 70                   | 37                                     | 66            |
| Illinois                | 374      | 28        | 1          | 3                                 | 8                   | 6                              | 156                    | 75                   | 42                                     | 56            |
| Indiana                 | 464      | 14        | 6          | 7                                 | 14                  | 3                              | 187                    | 132                  | 33                                     | 68            |
| lowa                    | 497      | 12        | 0          | 12                                | 20                  | 4                              | 182                    | 192                  | 27                                     | 47            |
| Kansas                  | 361      | 5         | ů<br>0     | 10                                | 11                  | 9                              | 153                    | 86                   | 25                                     | 63            |
| Kentucky                | 288      | 10        | 0          | 5                                 | 1                   | 0                              | 126                    | 48                   | 7                                      | 90            |
| Louisiana               | 385      | 29        | 4          | 1                                 | 7                   | 9                              | 154                    | 66                   | 45                                     | 69            |
| Maine                   | 399      | 3         | 0          | 1                                 | 13                  | 3                              | 190                    | 62                   | 10                                     | 118           |
| Maryland                | 318      | 11        | 1          | 4                                 | 4                   | 2                              | 130                    | 54                   | 42                                     | 76            |
| Massachusetts           | 274      | 6         | 0          | 9                                 | 1                   | 0                              | 189                    | 21                   | 3                                      | 44            |
| Michigan                | 249      | 8         | ů<br>0     | 3                                 | 5                   | 3                              | 139                    | 28                   | 10                                     | 52            |
| Minnesota               | 603      | 6         | 12         | 15                                | 67                  | 10                             | 152                    | 205                  | 48                                     | 87            |
| Mississippi             | 916      | 21        | 3          | 20                                | 57                  | 3                              | 474                    | 170                  | 13                                     | 155           |
| Missouri                | 364      | 8         | 0          | 2                                 | 12                  | 7                              | 101                    | 66                   | 40                                     | 128           |
| Montana                 | 548      | 19        | 30         | 35                                | 34                  | 31                             | 120                    | 97                   | 55                                     | 125           |
| Nebraska                | 531      | 63        | 10         | 16                                | 13                  | 7                              | 283                    | 58                   | 21                                     | 59            |
| Nevada                  | 267      | 6         | 7          | 4                                 | 3                   | 3                              | 103                    | 69                   | 30                                     | 42            |
| New Hampshire           | 319      | 12        | 0          | 48                                | 10                  | 6                              | 166                    | 54                   | 0                                      | 23            |
| New Jersey              | 486      | 28        | ů<br>0     | 12                                | 10                  | 4                              | 249                    | 82                   | 46                                     | 55            |
| New Mexico              | 306      | 8         | 2          | 8                                 | 6                   | 3                              | 161                    | 23                   | 20                                     | 76            |
| New York                | 241      | 11        | 0          | 3                                 | 10                  | 0                              | 101                    | 36                   | 45                                     | 30            |
| North Carolina          | 764      | 44        | 2          | 19                                | 10                  | 4                              | 339                    | 172                  | 64                                     | 102           |
| North Dakota            | 731      | 18        | 0          | 94                                | 37                  | 0                              | 302                    | 172                  | 30                                     | 71            |
| Ohio                    | 519      | 15        | 2          | 94                                | 12                  | 6                              | 266                    | 94                   | 46                                     | 68            |
| Oklahoma                | 572      | 15        | 15         | 11                                | 20                  | 21                             | 200                    | 94                   | 16                                     | 106           |
|                         | 345      | 8         | 4          | 5                                 | 20                  | 4                              | 167                    | <u> </u>             | 55                                     | 34            |
| Oregon                  | ა45      | Ŏ         | 4          | Э                                 | 1                   | 4                              | 10/                    | 04                   | 00                                     | ა4            |

|                |                     |           |            | TABLE                             | B.12.c (cor         | tinued)                     |                        |                      |  |               |
|----------------|---------------------|-----------|------------|-----------------------------------|---------------------|-----------------------------|------------------------|----------------------|--|---------------|
|                |                     |           |            | Medical Staff                     |                     |                             |                        | Counselor            |  |               |
| State          | Total               | Physician | Pharmacist | Mid-Level<br>Medical<br>Personnel | Registered<br>Nurse | Licensed<br>Practical Nurse | Post-Graduate<br>Level | Bachelor's<br>Degree | Associate's<br>Degree or No-<br>Degree | Support Staff |
| Pennsylvania   | 228                 | 9         | 0          | 1                                 | 4                   | 1                           | 114                    | 62                   | 6                                      | 30            |
| Puerto Rico    | 327                 | 22        | 0          | 10                                | 37                  | 0                           | 130                    | 67                   | 21                                     | 42            |
| Rhode Island   | 149                 | 5         | 0          | 6                                 | 8                   | 0                           | 80                     | 41                   | 0                                      | 8             |
| South Carolina | 158                 | 3         | 0          | 3                                 | 3                   | 0                           | 107                    | 26                   | 2                                      | 14            |
| South Dakota   | 564                 | 5         | 7          | 18                                | 21                  | 7                           | 207                    | 161                  | 78                                     | 60            |
| Tennessee      | 750                 | 31        | 18         | 54                                | 54                  | 37                          | 247                    | 147                  | 20                                     | 141           |
| Texas          | 296                 | 9         | 1          | 8                                 | 6                   | 1                           | 86                     | 67                   | 64                                     | 53            |
| Utah           | 394                 | 5         | 0          | 5                                 | 2                   | 1                           | 235                    | 61                   | 24                                     | 63            |
| Vermont        | 386                 | 15        | 0          | 0                                 | 0                   | 0                           | 229                    | 104                  | 4                                      | 34            |
| Virginia       | 991                 | 24        | 4          | 11                                | 33                  | 22                          | 385                    | 198                  | 30                                     | 285           |
| Washington     | 404                 | 6         | 0          | 12                                | 3                   | 1                           | 140                    | 96                   | 98                                     | 48            |
| West Virginia  | 464                 | 11        | 0          | 10                                | 14                  | 13                          | 172                    | 96                   | 19                                     | 128           |
| Wisconsin      | 277                 | 15        | 1          | 6                                 | 14                  | 3                           | 172                    | 16                   | 16                                     | 34            |
| Wyoming        | 320                 | 0         | 0          | 6                                 | 7                   | 0                           | 178                    | 27                   | 15                                     | 88            |
| SOURCE: N-SSA  | TS 2016, Question 2 | 22.       | •          | •                                 | •                   | •                           | •                      |                      | •                                      | •             |

|                         |                      |           | g Only Outpa |  | -, -, -, -, -, -, -, -, -, -, -, -, -, - |                             |                        |                                   |  |               |
|-------------------------|----------------------|-----------|--------------|--|--|-----------------------------|------------------------|-----------------------------------|--|---------------|
| Type of Facility        | Total                | Physician | Pharmacist   | Medical Staff<br>Mid-Level<br>Medical<br>Personnel | Registered<br>Nurse                      | Licensed<br>Practical Nurse | Post-Graduate<br>Level | Counselor<br>Bachelor's<br>Degree | Associate's<br>Degree or No-<br>Degree | Support Staff |
| Total                   | 292                  | 15        | 3            | 9  | 14                                       | 13                          | 113                    | 51                                | 27                                     | 47            |
| Federally certified     | OTP                  |           |              |  |  |                             | 1                      |                                   |  |               |
| OTP                     | 135                  | 7         | 2            | 4  | 10                                       | 21                          | 35                     | 31                                | 17                                     | 8             |
| Not OTP                 | 397                  | 20        | 4            | 11   | 16                                       | 7                           | 166                    | 64                                | 34                                     | 74            |
| MH services             |                      |           | •            | •  |  |                             |                        |                                   |  | •             |
| MH treatment<br>offered | 322                  | 17        | 3            | 10   | 15                                       | 12                          | 131                    | 53                                | 26                                     | 55            |
| Screening only          | 180                  | 8         | 1            | 5  | 12                                       | 14                          | 48                     | 42                                | 32                                     | 19            |
| No MH<br>services       | 154                  | 5         | 1            | 3  | 5  | 16                          | 35                     | 42                                | 31                                     | 14            |
| Screening for cond      | itions other than SU | Ds        |              |  |  |                             | 1                      |                                   |  |               |
| Yes                     | 293                  | 25        | 9            | 18   | 30                                       | 25                          | 81                     | 39                                | 24                                     | 42            |
| No                      | 291                  | 12        | 1            | 6  | 10                                       | 10                          | 121                    | 54                                | 28                                     | 49            |
| Outreach to people      | who may need trea    | tment     | •            | •  |  |                             |                        |                                   |  | •             |
| Yes                     | 316                  | 16        | 3            | 9  | 14                                       | 13                          | 118                    | 56                                | 30                                     | 56            |
| No                      | 248                  | 13        | 2            | 7  | 13                                       | 12                          | 105                    | 42                                | 23                                     | 32            |
| Recovery support :      | services             |           |              |  |  |                             |                        |                                   |  |               |
| Yes                     | 373                  | 17        | 4            | 10   | 17                                       | 16                          | 132                    | 68                                | 34                                     | 76            |
| No                      | 269                  | 14        | 3            | 8  | 13                                       | 12                          | 108                    | 46                                | 25                                     | 40            |
| Facility focus          |                      |           |              |  |  |                             |                        |                                   |  |               |
| SUD treatment           | 193                  | 9         | 1            | 4  | 9  | 13                          | 63                     | 41                                | 28                                     | 25            |
| MH treatment            | 1000                 | 37        | 5            | 23   | 45                                       | 13                          | 443                    | 201                               | 35                                     | 198           |
| SUD and MH<br>treatment | 405                  | 21        | 4            | 11   | 15                                       | 8                           | 187                    | 57                                | 25                                     | 77            |
| Other                   | 905                  | 101       | 53           | 120  | 133                                      | 75                          | 187                    | 48                                | 33                                     | 157           |

**NOTE**: Facilities were classified as a federally certified OTP if they indicated in Question 11 that they administer or dispense methadone, buprenorphine, or naltrexone (Vivitrol®) as a federally certified OTP. Facilities were classified as offering MH treatment if they said in response to Question 1a that they provided mental health services to substance abuse treatment clients (MHTXSA). Remaining facilities were classified as only screening if in Question 10 they indicated that they provided screening for mental health disorders (SRVC90) or provided comprehensive mental health assessment or diagnosis (SRVC2). Facilities not classified as offering MH treatment or screening only were classified as having no MH services. Facilities were identified as providing screening services for conditions other than SUDs if they indicated that they provide screening for hepatitis B, hepatitis C, HIV, sexually transmitted diseases, and tuberculosis (SRVC73 = 1, SRVC74 = 1, SRVC15 = 1, and SRVC16 = 1). Facilities were identified as providing screening social services, employment counseling or training, or assistance locating housing (SRVC96 = 1, SRVC97 = 1, SRVC36 = 1, SRVC39 = 1, and SRVC38 = 1). Facility focus was determined based on responses to Question 6.

|                         | TABLE B.            |           |            |                                   |                     | per Week in<br>Facility Chara |                        |                      | t Facilities                           |               |
|-------------------------|---------------------|-----------|------------|-----------------------------------|---------------------|-------------------------------|------------------------|----------------------|--|---------------|
|                         |                     |           |            | Medical Staff                     |                     |                               |                        | Counselor            |  |               |
| Type of Facility        | Total               | Physician | Pharmacist | Mid-Level<br>Medical<br>Personnel | Registered<br>Nurse | Licensed<br>Practical Nurse   | Post-Graduate<br>Level | Bachelor's<br>Degree | Associate's<br>Degree or No-<br>Degree | Support Staff |
| Total                   | 292                 | 15        | 3          | 9                                 | 14                  | 13                            | 113                    | 51                   | 27                                     | 47            |
| Urbanicity              |                     |           |            |                                   |                     |                               |                        |                      |  |               |
| Urban                   | 278                 | 15        | 3          | 7                                 | 13                  | 13                            | 110                    | 48                   | 26                                     | 44            |
| Rural                   | 370                 | 14        | 4          | 11                                | 17                  | 13                            | 138                    | 69                   | 34                                     | 69            |
| Operation               |                     |           |            |                                   |                     |                               |                        |                      |  |               |
| Private NP              | 339                 | 15        | 2          | 10                                | 16                  | 10                            | 140                    | 59                   | 29                                     | 58            |
| Private FP              | 206                 | 11        | 2          | 5                                 | 6                   | 15                            | 74                     | 41                   | 23                                     | 29            |
| Public                  | 432                 | 30        | 11         | 19                                | 33                  | 17                            | 156                    | 58                   | 33                                     | 74            |
| Located in or operation | ated by a hospital  |           |            |                                   |                     |                               |                        |                      |  |               |
| Yes                     | 291                 | 14        | 3          | 8                                 | 12                  | 13                            | 113                    | 52                   | 28                                     | 49            |
| No                      | 298                 | 29        | 5          | 20                                | 35                  | 13                            | 117                    | 34                   | 17                                     | 27            |
| Facility size           |                     | •         | •          | •                                 |                     | •                             |                        |                      | •                                      |               |
| Small                   | 1606                | 81        | 17         | 46                                | 74                  | 28                            | 671                    | 257                  | 137                                    | 294           |
| Medium                  | 506                 | 27        | 5          | 16                                | 20                  | 11                            | 205                    | 81                   | 44                                     | 97            |
| Large                   | 171                 | 8         | 2          | 5                                 | 9                   | 13                            | 62                     | 33                   | 18                                     | 21            |
| Type of insurance       | accepted            | •         | •          | •                                 | •                   | •                             |                        |                      | •                                      | •             |
| Medicaid                | 294                 | 14        | 2          | 8                                 | 14                  | 12                            | 119                    | 52                   | 25                                     | 47            |
| Private<br>insurance    | 316                 | 17        | 3          | 9                                 | 15                  | 11                            | 131                    | 51                   | 26                                     | 53            |
|                         | TS 2016, Question 2 | 22.       | 1          | 1                                 | 1                   | 1                             | 1                      |                      | 1                                      | 1             |

**NOTE:** Urbanicity is assigned based on the National Center for Health Statistics urbanicity classification scheme. Facilities in rural areas include those in micropolitan areas with an urban core population of at least 10,000 but less than 50,000, as well as those in non-core areas. Facilities in a central or fringe urban core with a population of 50,000 or more are considered urban. Information on urbanicity was not available for all facilities; urban and rural estimates are only reported for facilities with known urbanicity. Facility size was based on the number of outpatient clients in care. Facilities below the 25th percentile and above the 75th percentile for client count were identified as small and large, respectively. Remaining facilities were designated as medium size. Facility operation was self-designated in N-SSATS Question 7.

|                            |       |                                   | Number of | f Facilities |                |            |      |                                   | Percentage | of Facilities |                |            |
|----------------------------|-------|-----------------------------------|-----------|--------------|----------------|------------|------|-----------------------------------|------------|---------------|----------------|------------|
|                            |       | ng Pharmacoth<br>r Opioid Disorde |           | Providing    | g Any Pharmaco | otherapies |      | ing Pharmacoth<br>r Opioid Disord |            | Providin      | g Any Pharmaco | otherapies |
|                            | 2013  | 2016                              | Change    | 2013         | 2016           | Change     | 2013 | 2016                              | Change     | 2013          | 2016           | Change     |
| Total                      | 4,246 | 5,373                             | 27        | 5,267        | 6,191          | 18         | 30   | 37                                | 24         | 37            | 43             | 15         |
| Jrbanicity                 |       |                                   |           |              |                |            |      |                                   |            |               |                |            |
| Urban                      | 3,272 | 4,519                             | 38        | 3,936        | 5,115          | 30         | 33   | 41                                | 24         | 40            | 46             | 16         |
| Rural                      | 933   | 814                               | -13       | 1,283        | 1,032          | -20        | 23   | 26                                | 12         | 32            | 33             | 3          |
| Facility focus             |       |                                   |           |              |                |            |      |                                   |            |               |                |            |
| SUD<br>treatment           | NA    | 3,253                             | NA        | NA           | 3,519          | NA         | NA   | 41                                | NA         | NA            | 44             | NA         |
| MH<br>treatment            | NA    | 242                               | NA        | NA           | 347            | NA         | NA   | 24                                | NA         | NA            | 35             | NA         |
| SUD and<br>MH<br>treatment | NA    | 1,707                             | NA        | NA           | 2,126          | NA         | NA   | 34                                | NA         | NA            | 42             | NA         |
| Other                      | NA    | 171                               | NA        | NA           | 199            | NA         | NA   | 43                                | NA         | NA            | 50             | NA         |
| Operation                  |       |                                   |           |              | •              | •          |      | •                                 |            |               |                |            |
| Private, NP                | 2,101 | 2,644                             | 26        | 2,622        | 3,071          | 17         | 27   | 35                                | 28         | 34            | 40             | 20         |
| Private, FP                | 1,582 | 2,101                             | 33        | 1,838        | 2,296          | 25         | 35   | 41                                | 19         | 40            | 45             | 12         |
| Public                     | 563   | 628                               | 12        | 807          | 824            | 2          | 32   | 38                                | 20         | 46            | 50             | 9          |

10,000 but less than 50,000, as well as those in non-core areas. Facilities in a central or fringe urban core with a population of 50,000 or more are considered urban. Information on urbanicity was not available for all facilities; urban and rural data are only reported for facilities with known urbanicity. Facility operation was self-designated in N-SSATS Question 7. Facility focus was not asked on the N-SSATS 2013 survey.

| TAB                     | BLE B.16.   | Number an | d Percenta | ige of Faci  |                                 | iding Any F<br>te, 2013 and |      | herapy or (   | Opioid-Rel | ated Pharn | nacothera                       | ру,    |  |
|-------------------------|---|-----------|------------|--------------|---------------------------------|-----------------------------|------|---|------------|------------|---------------------------------|--------|--|
|                         |   |           | Number o   | f Facilities |                                 | Percentage of Facilities    |      |   |            |            |                                 |        |  |
|                         | Providing Pharmacotherapies<br>for Opioid Disorders |           |            | Providing    | Providing Any Pharmacotherapies |                             |      | Providing Pharmacotherapies<br>for Opioid Disorders |            |            | Providing Any Pharmacotherapies |        |  |
|                         | 2013  | 2016      | Change     | 2013         | 2016                            | Change                      | 2013 | 2016  | Change     | 2013       | 2016                            | Change |  |
| Total                   | 4,246   | 5,373     | 27         | 5,267        | 6,191                           | 18                          | 30   | 37  | 24         | 37         | 43                              | 15     |  |
| Alabama                 | 49  | 52        | 6          | 53           | 57                              | 8                           | 32   | 38  | 20         | 34         | 42                              | 22     |  |
| Alaska                  | 16  | 17        | 6          | 22           | 23                              | 5                           | 17   | 18  | 5          | 24         | 24                              | 3      |  |
| Arizona                 | 113   | 143       | 27         | 134          | 165                             | 23                          | 36   | 40  | 11         | 43         | 46                              | 8      |  |
| Arkansas                | 15  | 17        | 13         | 23           | 20                              | -13                         | 17   | 15  | -11        | 26         | 18                              | -32    |  |
| California              | 424   | 477       | 13         | 468          | 517                             | 10                          | 27   | 33  | 22         | 30         | 36                              | 20     |  |
| Colorado                | 104   | 113       | 9          | 251          | 216                             | -14                         | 21   | 28  | 33         | 51         | 54                              | 5      |  |
| Connecticut             | 81  | 115       | 42         | 125          | 142                             | 14                          | 38   | 51  | 34         | 59         | 63                              | 8      |  |
| Delaware                | 18  | 28        | 56         | 18           | 29                              | 61                          | 43   | 60  | 39         | 43         | 62                              | 44     |  |
| District of<br>Columbia | 14  | 16        | 14         | 15           | 16                              | 7                           | 38   | 47  | 24         | 41         | 47                              | 16     |  |
| Florida                 | 171   | 286       | 67         | 211          | 312                             | 48                          | 27   | 40  | 45         | 34         | 44                              | 28     |  |
| Georgia                 | 89  | 115       | 29         | 133          | 142                             | 7                           | 25   | 37  | 48         | 37         | 45                              | 22     |  |
| Hawaii                  | 13  | 16        | 23         | 16           | 19                              | 19                          | 11   | 9   | -13        | 13         | 11                              | -16    |  |
| Idaho                   | 21  | 27        | 29         | 23           | 32                              | 39                          | 18   | 19  | 5          | 20         | 22                              | 14     |  |
| Illinois                | 165   | 189       | 15         | 198          | 208                             | 5                           | 25   | 28  | 10         | 30         | 31                              | 1      |  |
| Indiana                 | 60  | 83        | 38         | 94           | 101                             | 7                           | 22   | 31  | 44         | 34         | 38                              | 12     |  |
| lowa                    | 24  | 34        | 42         | 33           | 48                              | 45                          | 17   | 21  | 25         | 23         | 29                              | 28     |  |
| Kansas                  | 33  | 35        | 6          | 45           | 58                              | 29                          | 16   | 17  | 11         | 21         | 29                              | 35     |  |
| Kentucky                | 68  | 94        | 38         | 82           | 104                             | 27                          | 21   | 26  | 25         | 25         | 29                              | 15     |  |
| Louisiana               | 37  | 50        | 35         | 56           | 70                              | 25                          | 22   | 32  | 43         | 34         | 45                              | 32     |  |
| Maine                   | 56  | 62        | 11         | 66           | 66                              | 0                           | 25   | 27  | 7          | 30         | 29                              | -3     |  |
| Maryland                | 157   | 199       | 27         | 169          | 208                             | 23                          | 44   | 50  | 14         | 47         | 52                              | 10     |  |
| Massachusetts           | 155   | 220       | 42         | 181          | 246                             | 36                          | 49   | 62  | 26         | 57         | 69                              | 21     |  |
| Michigan                | 118   | 126       | 7          | 165          | 173                             | 5                           | 24   | 26  | 9          | 34         | 36                              | 7      |  |
| Minnesota               | 74  | 98        | 32         | 101          | 119                             | 18                          | 21   | 26  | 27         | 29         | 32                              | 13     |  |
| Mississippi             | 23  | 19        | -17        | 30           | 26                              | -13                         | 23   | 20  | -12        | 30         | 27                              | -8     |  |
| Missouri                | 110   | 129       | 17         | 115          | 138                             | 20                          | 43   | 45  | 6          | 45         | 48                              | 8      |  |
| Montana                 | 19  | 18        | -5         | 27           | 26                              | -4                          | 26   | 28  | 7          | 38         | 41                              | 8      |  |
| Nebraska                | 21  | 27        | 29         | 28           | 37                              | 32                          | 18   | 20  | 8          | 25         | 27                              | 11     |  |
| Nevada                  | 26  | 33        | 27         | 29           | 39                              | 34                          | 32   | 41  | 29         | 36         | 49                              | 36     |  |
| New<br>Hampshire        | 17  | 38        | 124        | 20           | 40                              | 100                         | 31   | 59  | 92         | 36         | 63                              | 72     |  |
| New Jersey              | 131   | 158       | 21         | 147          | 184                             | 25                          | 35   | 43  | 21         | 40         | 50                              | 26     |  |
| New Mexico              | 32  | 44        | 38         | 43           | 61                              | 42                          | 23   | 29  | 24         | 31         | 40                              | 28     |  |
| New York                | 510   | 661       | 30         | 574          | 692                             | 21                          | 56   | 72  | 24         | 63         | 75                              | 18     |  |
| North Carolina          | 131   | 169       | 29         | 159          | 195                             | 23                          | 30   | 35  | 14         | 37         | 40                              | 9      |  |
| North Dakota            | 9   | 103       | 11         | 133          | 18                              | 0                           | 14   | 17  | 20         | 28         | 30                              | 8      |  |
| Ohio                    | 114   | 184       | 61         | 142          | 202                             | 42                          | 30   | 45  | 50         | 38         | 50                              | 32     |  |
| Oklahoma                | 26  | 38        | 46         | 34           | 52                              | 53                          | 12   | 45  | 60         | 15         | 25                              | 67     |  |
| Okidhoma                | 20  | 30        | 40         | 34           | JZ                              | 55                          | 12   | 19  | 00         | 10         | 20                              | 10     |  |

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|   | Pharmacothe<br>Dpioid Disorde<br>2016<br>61<br>262                                  | rs<br>Change<br>45  | Providing<br>2013                                     | Any Pharmacc<br>2016                                  |   |   |   |  |   | Any Pharmaco  | therapies  |  |
|---|---|---|---|---|---|---|---|--|---|---|--|--|
| for C<br>013<br>42<br>194                             | Dpioid Disorde<br>2016<br>61  | rs<br>Change<br>45  | 2013  |   |   |   |   |  | Providing   | Any Pharmaco  | therapies  |  |
| 42<br>194   | 61  | 45  |   | 2016  |   | Providing Pharmacotherapies<br>for Opioid Disorders   |   |  |   | Providing Any Pharmacotherapies                       |  |  |
| 194   | -   | -   | FG  |   | Change  | 2013  | 2016  | Change   | 2013  | 2016  | Change   |  |
|   | 262   |   | 56  | 71  | 27  | 17  | 27  | 60   | 23  | 32  | 40   |  |
| 39  |   | 35  | 236   | 283   | 20  | 36  | 50  | 38   | 44  | 54  | 22   |  |
| 00  | 37  | -5  | 44  | 41  | -7  | 24  | 26  | 8  | 27  | 29  | 6  |  |
| 32  | 39  | 22  | 40  | 42  | 5   | 52  | 75  | 45   | 65  | 81  | 25   |  |
| 35  | 37  | 6   | 38  | 41  | 8   | 32  | 32  | 3  | 34  | 36  | 5  |  |
| 7   | 13  | 86  | 13  | 16  | 23  | 11  | 21  | 89   | 21  | 26  | 25   |  |
| 57  | 85  | 49  | 74  | 94  | 27  | 26  | 37  | 45   | 33  | 41  | 24   |  |
| 161   | 175   | 9   | 170   | 189   | 11  | 35  | 36  | 3  | 37  | 39  | 5  |  |
| 64  | 112   | 75  | 73  | 125   | 71  | 37  | 48  | 27   | 43  | 53  | 25   |  |
| 24  | 32  | 33  | 27  | 34  | 26  | 55  | 70  | 28   | 61  | 74  | 20   |  |
| 82  | 94  | 15  | 119   | 121   | 2   | 36  | 41  | 13   | 53  | 53  | 0  |  |
| 84  | 96  | 14  | 94  | 110   | 17  | 19  | 22  | 20   | 21  | 26  | 23   |  |
| 47  | 57  | 21  | 57  | 62  | 9   | 47  | 54  | 16   | 56  | 58  | 4  |  |
| 113   | 106   | -6  | 152   | 130   | -14   | 36  | 38  | 7  | 48  | 46  | -3   |  |
| 19  | 24  | 26  | 23  | 28  | 22  | 36  | 41  | 15   | 43  | 48  | 11   |  |
| 2   | 3   | 50  | 3   | 3   | 0   | 22  | 30  | 35   | 33  | 30  | -10  |  |
| 3<br>7<br>5<br>16<br>2<br>8<br>8<br>4<br>11<br>1<br>2 | 5       7       61       4       4       2       4       7       13       9       2 | 5         37           7         13           7         85           61         175           4         112           4         32           2         94           4         96           7         57           13         106           9         24 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 5 $37$ 6 $38$ $41$ 8 $32$ $32$ 713861316 $23$ 11 $21$ 785497494 $27$ $26$ $37$ 31175917018911 $35$ $36$ 4112757312571 $37$ $48$ 43233 $27$ $34$ $26$ $55$ $70$ 294151191212 $36$ $41$ 496149411017 $19$ $22$ 7 $57$ 21 $57$ $62$ 9 $47$ $54$ 13106-6152130 $-14$ $36$ $38$ 9242623 $28$ $22$ $36$ $41$ 23 $50$ 3 $3$ $0$ $22$ $30$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ |  |

|                         |             | TABLE B. | 17. Numbe    |                    | entage Cha |                  |             | nd Inpatier<br>1 2015 | nt-Designa | ted Beds           |      |        |  |
|-------------------------|-------------|----------|--------------|--------------------|------------|------------------|-------------|-----------------------|------------|--------------------|------|--------|--|
|                         |             |          | Number of De | signated Beds      |            | Utilization Rate |             |                       |            |                    |      |        |  |
|                         | Residential |          |              | Inpatient Hospital |            |                  | Residential |                       |            | Inpatient Hospital |      |        |  |
|                         | 2013        | 2015     | Change       | 2013               | 2015       | Change           | 2013        | 2015                  | Change     | 2013               | 2015 | Change |  |
| Total                   | 100,417     | 104,012  | 4            | 12,213             | 15,415     | 26               | 97          | 105                   | 9          | 97                 | 109  | 12     |  |
| Alabama                 | 1,212       | 1,031    | -15          | 252                | 52         | -79              | 92          | 95                    | 3          | 96                 | 54   | -44    |  |
| Alaska                  | 383         | 347      | -9           | NA                 | NA         | NA               | 89          | 109                   | 23         | NA                 | 0-   | NA     |  |
| Arizona                 | 1,853       | 2,235    | 21           | 210                | 297        | 41               | 97          | 120                   | 23         | 129                | 117  | -9     |  |
| Arkansas                | 798         | 686      | -14          | 83                 | 46         | -45              | 86          | 350                   | 308        | 94                 | 63   | -33    |  |
| California              | 13,688      | 13,390   | -2           | 750                | 477        | -36              | 94          | 95                    | 1          | 102                | 95   | -7     |  |
| Colorado                | 1,446       | 1,162    | -20          | 172                | 184        | 7                | 97          | 93                    | -5         | 80                 | 73   | -9     |  |
| Connecticut             | 1,766       | 1,491    | -16          | 290                | 219        | -24              | 100         | 101                   | 0          | 98                 | 111  | 13     |  |
| Delaware                | 184         | 262      | 42           | NA                 | 30         | NA               | 92          | 1450                  | 1,470      | NA                 | 107  | NA     |  |
| District of<br>Columbia | 428         | 396      | -7           | NA                 | 12         | NA               | 98          | 109                   | 11         | NA                 | 8    | NA     |  |
| Florida                 | 6,020       | 6,363    | 6            | 641                | 843        | 32               | 120         | 101                   | -16        | 94                 | 128  | 36     |  |
| Georgia                 | 1,934       | 1,933    | 0            | 284                | 413        | 45               | 98          | 83                    | -15        | 90                 | 110  | 22     |  |
| Hawaii                  | 456         | 466      | 2            | NA                 | 48         | NA               | 84          | 95                    | 12         | 0                  | 92   | NA     |  |
| Idaho                   | 162         | 144      | -11          | NA                 | 15         | NA               | 70          | 97                    | 39         | NA                 | 93   | NA     |  |
| Illinois                | 3,099       | 2.885    | -7           | 328                | 253        | -23              | 87          | 100                   | 15         | 59                 | 65   | 9      |  |
| Indiana                 | 541         | 618      | 14           | 237                | 552        | 133              | 82          | 130                   | 59         | 75                 | 92   | 24     |  |
| lowa                    | 815         | 935      | 15           | NA                 | 30         | NA               | 80          | 73                    | -9         | NA                 | 80   | NA     |  |
| Kansas                  | 765         | 720      | -6           | NA                 | 29         | NA               | 85          | 96                    | 12         | NA                 | 79   | NA     |  |
| Kentucky                | 1,798       | 2,264    | 26           | 291                | 329        | 13               | 102         | 94                    | -8         | 80                 | 126  | 58     |  |
| Louisiana               | 1,615       | 1,785    | 11           | 199                | 270        | 36               | 83          | 92                    | 10         | 81                 | 74   | -8     |  |
| Maine                   | 296         | 257      | -13          | 112                | 118        | 5                | 107         | 91                    | -15        | 108                | 39   | -64    |  |
| Maryland                | 2,074       | 2,063    | -1           | 709                | 344        | -51              | 70          | 86                    | 22         | 57                 | 75   | 32     |  |
| Massachusetts           | 3,211       | 3,292    | 3            | 595                | 811        | 36               | 95          | 105                   | 11         | 106                | 121  | 14     |  |
| Michigan                | 2,985       | 2,996    | 0            | 180                | 173        | -4               | 163         | 88                    | -46        | 186                | 45   | -76    |  |
| Minnesota               | 3,862       | 3,593    | -7           | 63                 | 95         | 51               | 96          | 93                    | -4         | 92                 | 76   | -18    |  |
| Mississippi             | 1,133       | 968      | -15          | 259                | 148        | -43              | 71          | 69                    | -3         | 129                | 128  | 0      |  |
| Missouri                | 1,107       | 1,215    | 10           | 55                 | 73         | 33               | 88          | 175                   | 99         | 195                | 77   | -61    |  |
| Montana                 | 258         | 222      | -14          | 24                 | 78         | 225              | 177         | 84                    | -52        | 529                | 118  | -78    |  |
| Nebraska                | 812         | 748      | -8           | NA                 | NA         | NA               | 82          | 98                    | 20         | 0                  | 0    | 0      |  |
| Nevada                  | 455         | 543      | 19           | 113                | 143        | 27               | 93          | 90                    | -4         | 131                | 133  | 1      |  |
| New<br>Hampshire        | 368         | 390      | 6            | NA                 | 15         | NA               | 90          | 90                    | 0          | NA                 | 27   | NA     |  |
| New Jersey              | 2,541       | 2,837    | 12           | 365                | 307        | -16              | 105         | 118                   | 12         | 95                 | 131  | 37     |  |
| New Mexico              | 481         | 483      | 0            | 137                | 125        | -9               | 353         | 83                    | -77        | 72                 | 90   | 25     |  |
| New York                | 10,531      | 10,125   | -4           | 2,067              | 1,741      | -16              | 91          | 97                    | 7          | 79                 | 95   | 20     |  |
| North Carolina          | 2,655       | 2,591    | -2           | 429                | 368        | -14              | 92          | 112                   | 21         | 129                | 73   | -44    |  |
| North Dakota            | 378         | 440      | 16           | 94                 | 83         | -12              | 111         | 84                    | -25        | 56                 | 71   | 26     |  |
| Ohio                    | 1,758       | 1,955    | 11           | 586                | 561        | -4               | 99          | 102                   | 3          | 84                 | 88   | 4      |  |
| Oklahoma                | 1,570       | 1,206    | -23          | 131                | 113        | -14              | 76          | 97                    | 27         | 85                 | 68   | -20    |  |
| Oregon                  | 1,260       | 1,268    | 1            | 83                 | 52         | -37              | 85          | 97                    | 15         | 75                 | 185  | 147    |  |

|                |             |       | Number of De | signated Beds      |       | Utilization Rate |             |      |        |                    |      |        |  |
|----------------|-------------|-------|--------------|--------------------|-------|------------------|-------------|------|--------|--------------------|------|--------|--|
|                | Residential |       |              | Inpatient Hospital |       |                  | Residential |      |        | Inpatient Hospital |      |        |  |
|                | 2013        | 2015  | Change       | 2013               | 2015  | Change           | 2013        | 2015 | Change | 2013               | 2015 | Change |  |
| Pennsylvania   | 5,756       | 5,570 | -3           | 529                | 392   | -26              | 91          | 95   | 4      | 83                 | 62   | -25    |  |
| Puerto Rico    | 3,027       | 2,553 | -16          | 178                | 198   | 11               | 75          | 109  | 44     | 251                | 178  | -29    |  |
| Rhode Island   | 348         | 1,721 | 395          | NA                 | 3,543 | NA               | 93          | 100  | 8      | NA                 | 100  | NA     |  |
| South Carolina | 471         | 692   | 47           | 301                | 209   | -31              | 117         | 89   | -24    | 116                | 537  | 364    |  |
| South Dakota   | 543         | 623   | 15           | 87                 | 98    | 13               | 115         | 93   | -19    | 86                 | 69   | -19    |  |
| Tennessee      | 1,848       | 1,913 | 4            | 142                | 129   | -9               | 86          | 93   | 8      | 280                | 95   | -66    |  |
| Texas          | 5,448       | 4,809 | -12          | 375                | 404   | 8                | 87          | 122  | 40     | 89                 | 138  | 56     |  |
| Utah           | 896         | 928   | 4            | NA                 | 49    | NA               | 109         | 91   | -17    | NA                 | 71   | NA     |  |
| Vermont        | 245         | 213   | -13          | 112                | 116   | 4                | 404         | 77   | -81    | 82                 | 587  | 615    |  |
| Virginia       | 801         | 1,060 | 32           | 109                | 277   | 154              | 72          | 95   | 32     | 152                | 113  | -26    |  |
| Washington     | 2,417       | 5,729 | 137          | 189                | 192   | 2                | 87          | 117  | 35     | 72                 | 77   | 6      |  |
| West Virginia  | 433         | 552   | 27           | NA                 | 74    | NA               | 91          | 93   | 2      | NA                 | 55   | NA     |  |
| Wisconsin      | 1,114       | 904   | -19          | 130                | 261   | 101              | 74          | 86   | 17     | 102                | 68   | -33    |  |
| Wyoming        | 316         | 388   | 23           | NA                 | 16    | NA               | 103         | 83   | -20    | 0                  | 31   | NA     |  |
| US territories | 56          | 52    | -7           | NA                 | 10    | NA               | 89          | 83   | -7     | 0                  | 240  | NA     |  |

## EXAMINING SUBSTANCE USE DISORDER TREATMENT DEMAND AND PROVIDER CAPACITY IN A CHANGING HEALTH CARE SYSTEM

## **Reports Available**

# Examining Substance Use Disorder Treatment Demand and Provider Capacity in a Changing Health Care System: Final Report

- HTML <u>https://aspe.hhs.gov/report/examining-substance-use-disorder-treatment-</u> <u>demand-and-provider-capacity-changing-health-care-system-final-report</u>
- PDF <u>https://aspe.hhs.gov/pdf-report/examining-substance-use-disorder-</u> <u>treatment-demand-and-provider-capacity-changing-health-care-system-</u> <u>final-report</u>

## Examining Substance Use Disorder Treatment Demand and Provider Capacity in a Changing Health Care System: Initial Findings Report

- HTML <u>https://aspe.hhs.gov/report/examining-substance-use-disorder-treatment-</u> <u>demand-and-provider-capacity-changing-health-care-system-initial-</u> <u>findings-report</u>
- PDF <u>https://aspe.hhs.gov/pdf-report/examining-substance-use-disorder-</u> <u>treatment-demand-and-provider-capacity-changing-health-care-system-</u> <u>initial-findings-report</u>

#### Substance Use Disorder Workforce Issue Brief

- HTML <u>https://aspe.hhs.gov/basic-report/substance-use-disorder-workforce-issue-brief</u>
- PDF <u>https://aspe.hhs.gov/pdf-report/substance-use-disorder-workforce-issue-brief</u>