ASSOCIATION BETWEEN THE AFFORDABLE CARE ACT AND EMERGENCY DEPARTMENT ADMISSION BY PSYCHIATRIC PATIENTS

by

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ABSTRACT

AFSANEH ASGHARIAN. Association Between the Affordable Care Act and Emergency Department Admission by Psychiatric Patients (Under the direction of DR. YVETTE M. HUET)

This was a cross-sectional study to evaluate the association between the Affordable Care Act (ACA) and the emergency department (ED) admission by psychiatric patients, characteristics of psychiatric patients admitted to ED, and the ED visits with the disposition of Treat-and-Release of psychiatric patients admitted to the ED for adults aged 18-64.

Methods

The National Emergency Department Sample database for the years 2009 (Pre-ACA), and 2011 to 2016 (Post-ACA) were selected. The psychiatric-related ED visits were identified as the ED visits with at least one diagnosis code of the Behavioral and Mental Health disorders with code of either 290 to 319 or F01 to F99 for the International Classification of Disease edition 9 or 10, respectively. The statistical analysis was using logistic regression adjusting for covariates, age, sex, payer and hospital region. For each analysis, odds ratio (OR) and 95% confidence interval and statistical significance using $\chi 2$ statistics were reported. For statistical analysis, all tests were two-sided with significance interpreted at $\alpha = 0.05$. The SAS software version 9.4 was used for all analyses.

Results

The proportion of psychiatric-related ED visits increased from Pre-ACA (24.1%) to Post-ACA years (26.4% to 31.3%). The adjusted analyses of the proportion of psychiatric-related ED visits were statistically significant for each of Post-ACA years versus Pre-ACA, with the ORs increasing from 1.12 to 1.36. The proportion of

psychiatric-related ED visits with the disposition of Treat-and-Release increased from Pre-ACA (73.4%) to Post-ACA years (72.5% to 78.9%). The adjusted analyses of the proportion of ED visits with Treat-and-Release disposition were statistically significant for each Post-ACA years versus Pre-ACA, with ORs increasing over time from 1.17 to 1.54 with the exception of 2015 with OR of 1.03. The proportions of psychiatric-related ED visits were the highest for adults aged 26-49 followed by adults aged 50-64 and 18-25; higher for females than males and higher for urban than rural hospitals. It increased for Medicare, Medicaid, and private and decreased for uninsured payers in Post-ACA 2014 to 2016 compared to Pre-ACA 2009.

Conclusion

This study demonstrated an association in the proportion of ED visits for patients with a psychiatric condition admitted to the ED and the ACA as well as an association between the ACA and the proportion of psychiatric-related ED visits with the disposition of Treat-and-Release. There was evidence of an association between the ACA and the characteristics of psychiatric patients admitted to ED. After the full implementation of the ACA, from Post-ACA 2014 to 2016, there were increases in Medicare and private payers and a significant increase in Medicaid and a decrease in uninsured payers.

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DEDICATION

To my family, Abbas, Negeen, Ali, and Monica, for their love and encouragement.

To the loving memory of my father and Daisy.

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LIST OF ABBREVIATIONS

AAEM American Academy of Emergency Medicine

ACA Affordable Care Act

ACEP American College of Emergency Physicians

AHRQ Agency for Healthcare Research and Quality

CDC Centers for Disease Control and Prevention

CI Confidence Interval

CIU Crisis Intervention Unit

CMHC Community Mental Health Centers

DHHS Department of Health and Human Services

DSM-IV Diagnostic and Statistical Manual of Mental Disorders 4th edition

ED Emergency Department

EHBs Essential Health Benefits

EMTALA Emergency Medical Treatment and Active Labor Act

HCUP Healthcare Cost and Utilization Project

ICD International Classification of Disease

ICD-9-CM International Classification of Disease, edition 9

ICD-10-CM International Classification of Disease, edition 10

MAPIT AHRQ tool for conversion of ICD9 to ICD10

MDE Major Depressive Episode

NHAMCS National Hospital Ambulatory Medical Care Survey

MHPA Mental Health Parity Act

MHPAEA Mental Health Parity and Addiction Equity Act

MINI Mini International Neuropsychiatric Interview

NCS-A National Comorbidity survey of adolescents

NCS-R National Comorbidity Survey Replication

NEDS National Emergency Department Sample

NHDS National Hospital Discharge Survey

NSDUH National Survey on Drug Use and Health

OR Odds Ratio

PCMH Patient-Centered Medical Home

PCP Primary Care Physician

SAS SAS Institute Software

U.S. United States

1 INTRODUCTION

1.1 Mental Disorders

1.1.1 Mental Disorders in Adults

Mental disorders are common in the United States (U.S.). In the National Comorbidity Survey Replication (NCS-R) between 2001 and 2003, approximately 26% of adults in the U.S. had any mental disorder (anxiety, mood, impulse control, and substance use disorders) and 22.3% of adults with any mental disorders had serious mental disorders.¹ In the 2004 Centers for Disease Control and Prevention (CDC) survey, 25% of U.S. adults had any mental disorder in the past year.² Nearly 50% of U.S. adults develop at least one mental disorder in their lifetime with the first onset, usually in childhood or adolescence.³ In the 2017 National Survey on Drug Use and Health (NSDUH) an estimated 46.6 million (18.9%) of all U.S. adults (aged ≥18 years) had any type of mental disorder, and 11.2 million (4.5%) adults had a serious mental disorders within the past year. The NSDUH survey defined any mental disorder based on the Diagnostic and Statistical Manual of Mental Disorders 4th edition (DSM-IV) criteria. It did not include developmental and substance use disorders as diagnosable mental disorders. In the 2017 NSDUH, 7.1% (17.3 million) adults aged 18 or older had at least one major depressive episode (MDE) in the past year, and 4.5% (11.0 million) of adults had an MDE with severe impairment which was equivalent to 63.8% of adults with MDE in the last year with severe impairment.⁴

The 2017 NSDUH survey reported that the prevalence of any mental disorders was higher among women (women: 22.3%, men: 15.1%), as were serious mental disorders (women: 5.7%, men: 3.3%). Young adults aged 18-25 had a higher prevalence

of any mental disorders than older adults (18-25 years: 25.8%, 26-49: 22.2%, ≥50: 13.8%), and also higher serious mental disorders than older adults (18-25 years: 7.5%, 26-49: 5.6%, ≥50: 2.7%).⁴ The prevalence of adults with any mental disorders by race was the highest for two or more races with 28.6% compared to white adults: 20.4%, black adults: 16.2%, Hispanic adults: 15.2%, Asian adults: 14.5%, Native Hawaiian/other Pacific Islander adults: 19.4%, and American Indian/Alaskan Native adults: 18.9%. Serious mental illness was highest for those of two or more races and lowest for Asians (white: 5.2%, black: 3.5%, Hispanic: 3.2%, Asian: 2.4%, Native Hawaiian/other Pacific Islander: 4.8%, American Indian/Alaskan Native: 5.1%, and Two or more races: 8.1%).⁵

The 2017 NSDUH survey data showed that among adults with any mental disorders, 42.6% (19.8 million of 46.6 million) received mental health services in the past year, and more women received treatment compared to men (47.6% vs. 34.8%). In addition, the percentage of young adults who received treatment was lower than older adults, 18-25 years: 38.4%, 26-49: 43.3% and \geq 50 years: 44.2%.⁴ The prevalence of adults with mental disorders receiving mental health services by race was from highest to lowest, white: 48.0%, two or more races: 38.4%, Hispanic: 32.6%, black: 30.6%, and Asian: 20.2%.⁵ Among adults with serious mental disorders, 66.7% (7.5 million of 11.2 million) received mental health services in the past year; more women received treatment compared to men (71.5% vs. 57.7%); and the percentage of young adults who received treatment was lower than older adults, 18-25 years: 57.4%, 26-49: 66.2% and \geq 50 years: 75.6%.⁴ The prevalence of adults with serious mental illness who received mental health services by race was white: 70.7%, black: 56.2%, and Hispanic: 56.0%.⁵

1.1.2 Mental Disorders in Adolescents and Children

In the 2001-2004 National Comorbidity survey of adolescents aged 13-18 (NCS-A), the lifetime prevalence of any mental disorders for adolescents was estimated to be 49.5%.⁶ In the 2017 NSDUH survey, 14.8% (3.6 million) of adolescents aged 12-17 received mental health services in the past year for emotional or behavioral problems.⁴

Approximately 22.2% of adolescents with any mental disorders, including substance use disorders, had severe impairment using the DSMV-IV criteria of impairment level. The lifetime prevalence of adolescents with any mental disorder was higher for females than males (51.0% vs. 48.1%), and higher for adolescents aged 17-18 (56.7%), followed by those aged 15-16 (49.3%) and those aged 13-14 (45.3%).⁶ In the 2017 NSDUH survey, 13.3% (3.2 million) of adolescents aged 12-17 had a MDE in the past year and among adolescents with MDE, 9.4% (2.3 million) of adolescents had severe impairment in the past year. ⁴ This represents more than 70% of adolescents with severe impairment of MDE. In the 2007 National Survey of Children's Heath, the prevalence of children aged 3-17 who had ever received a diagnosis of behavioral or conduct problems was higher for males than females (male: 6.2%, female: 3.0%). In this survey, the prevalence of ever having received a diagnosis of behavioral or conduct problems by race was higher for blacks than other races, white: 4.2%, black: 8.1%, Hispanic: 3.9%, multi-race: 4.8%, and other: 2.6%. Since this survey was conducted by interviewing the mother (biological, stepmother, foster or adaptive mother) via telephone, the response to ever having received a diagnosis of behavioral or conduct problems may not represent a prior psychiatric diagnosis.

1.1.3 Economic burden

The economic burden of mental disorders is high for both adults and children. It was estimated to be at least \$300 billion in 2002 for adults with mental disorders.⁸ In 2010, the estimated cost of major depressive disorders for adults was \$210.5 billion with comorbid conditions a key contributor to this cost.⁹ In the 2011 Medical Expenditure Panel Survey of Households, the cost of mental disorders in children aged 0-17 was \$13.8 billion for 5.6 million children.¹⁰

1.2 History of Psychiatric Care

1.2.1 Deinstitutionalization of Psychiatric Services

In 1930s and early 1940s, those patients with severe mental illness were hospitalized in the states mental hospitals. ¹¹ In 1946, the National Mental Health Act was signed into law by president Harry Truman, which led to the establishment of the National Institute of Mental Health in 1947. ¹² In 1950s, most of states had community outpatient clinics for mentally ill patients. Marketing of pharmacological treatments for psychiatric patients began at this time, with the first psychiatric medication in 1954 and two antidepressant medications in 1956. ¹¹ In 1960s, social concerns about the civil rights of patients with severe mental illness led to the Community Mental Health Centers (CMHC) Act law, signed on October 31, 1963, by President Kennedy. ^{11,13} The intention of this law was to replace the state mental health hospital with CMHCs for patients with serious mental illness. This practice was referred to as deinstitutionalization. The funding of CMHC initially came from Federal funds but afterward state and local communities had to continue funding the CMHCs. The law required that eligibility criteria for Federal funding of CMHCs included to provide at least 5 essential services. These essential services were "inpatient, outpatient, partial

hospitalization, emergency and the least well defined, consultation and education; serve a 'catchment' area of no less then 75 000 and no more than 200 000 people (what would become a controversial issue); ensure continuity of care between the services; be accessible to the population to be served; serve people regardless of their ability or inability to pay".¹³

1.2.2 Impact of Deinstitutionalization

For some patients with serious mental illness requiring short-term inpatient or outpatient treatment setting, the CMHCs were found to be beneficial when compared to being hospitalized in the psychiatric hospitals. However, for patients with serious mental illness who require 24-hour care, there were no long-term hospital beds in the CMHCs, and instead, they ended up in jail or on the street. Deinstitutionalization led to a reduction in hospital beds for psychiatric patients. In 2003, the Subcommittee on Acute Care to the President's New Freedom Commission reported that since 1970, the total number of inpatient psychiatric beds per capita and the state and county psychiatric beds per capita declined by 62% and 89%, respectively. 15

1.2.3 Mental Health Parity Act

There were two major legislative bills that have led to mental health treatment payment changes. The first was the Mental Health Parity Act (MHPA) of 1996 which was then superseded by the Paul Wellstone and Pete Domenici Mental Health Parity and Addiction Equity Act of 2008 (MHPAEA). The mental health parity law refers to health insurance benefits for mental illness being equal to that of medical and surgical health care. Sarata stated that mental health parity refers to "the concept that health insurance coverage for mental health services should be offered on par with covered medical and surgical benefits." Prior to the 1996 mental health parity law, health

insurance had no coverage or minimal coverage for certain mental illnesses including lower annual or lifetime limits, limited treatment and hospital stays, and higher cost-sharing relative to medical and surgical benefits. The MHPA of 1996 mandated partial parity with annual and aggregate cost limits for mental health services to be no less than physical and surgical plans under the group health plans. Under this law, parity coverage also applied to the Employee Retirement Income Security Act, the Public Health Service Act, and the Internal Revenue Code group health coverage but employers with 50 or less employees were exempted from this law. The MHPAEA of 2008 expanded the MHPA of 1996 by broadening the aggregate lifetime and annual limits, treatment limitations, financial requirements and in-network and out-of-network benefits coverage and removing the exemption for small employers. 16

The ACA has several provisions that expand the application of Federal mental parity requirements and mandates coverage of mental health services for certain plans through specific financing arrangements. However, it did not modify the Federal mental health parity requirements. ¹⁶

People living with mental disorders are a vulnerable group in our society. Mental disorders are often a negative stigma and those with mental disorders face discrimination in daily life in seeking to rent homes, apply for jobs, or even access mental health care. Acknowledging behavioral and psychiatric disorders through health policy, and mandating health care coverage may reduce the stigmatization of mental disorders. In addition, laws to overcome discrimination such as the Americans with Disabilities Act, enforcement of antidiscrimination laws for housing and employment, and educating communities about mental disorders may prevent stigmatization and discrimination of people with mental disorders. In

1.3 Emergency Department Admissions by Psychiatric Patients

1.3.1 Prevalence of ED use by psychiatric patients

It is clear from a variety of studies that the number of ED visits for which there were psychiatric-related conditions for adults has increased and according to the National Hospital Ambulatory Medical Care Survey (NHAMCS), from 1992 to 2000, psychiatric-related ED visits for adults increased by 15%. In the 2000 NHAMCS data, an estimated 4.3 million ED visits were psychiatric-related, for an annual rate of 21 per 1000 U.S. adults. 20 During the 2007-2008 surveys of national ambulatory medical care and NHAMCS, an estimated 47.8 million (5%) ambulatory care visits were for patients with a primary diagnosis of psychiatric disorder. In these surveys, women had higher ambulatory medical care visits than men (women: 29.4 million, men: 18.5 million). In the 2007 National Hospital Discharge Survey (NHDS), among patients discharged from non-Federal, short-stay hospitals, 97.9 discharged patients per 10,000 population adults aged 18–64 years had a primary diagnosis of a psychiatric disorder. In the 2007 NHDS, the primary diagnosis of a psychiatric disorder for adults increased by age, 231.4 per 10,000 discharged patients for adults 18-44, 371.1 per 10,000 patients for adults aged 45-64 and 650.8 per 10,000 patients for adults aged 65 or older. In a population-based study in North Carolina using the state-wide public health surveillance system including ED visit data, the number of ED visits from 2008 to 2010 increased by 5.1%, and psychiatric-related ED visits increased by 17.7%. In 2010, psychiatric-related ED visits in North Carolina were about 9.3% of all ED visits, and 31.1% of psychiatric-related ED visits resulted in hospitalizations compared with 14.1% of all ED visits.²¹ In the 2007 National Emergency Department Survey (NEDS) data, 12.5% (12 million of 95 million) of ED visits for adults in the U.S. had a diagnosis of mental and/or substance use disorder, and 4.1 million ED visits had a primary diagnosis of mental and/or substance use disorders. Among 12 million ED visits with mental or substance use disorders, the proportion of patients with mental disorders, substance use disorders or both conditions was 64%, 26% and 12%, respectively. Patients with mental and/or substance use disorders were 2.5 times more likely to have a hospital admission compared to all other ED visits.²²

From the 2006 to 2011 NEDS data of adults between 18 to 64 years of age, data demonstrated that ED visits increased by 8.6%, ED visits with primary psychiatric diagnosis increased by 20.5% and ED visits with psychiatric disorders comorbidities increased by 53.3%. In this study, the ED visits for adults with psychiatric disorders were higher for patients covered by Medicare and Medicaid than those who are privately insured or uninsured.²³ The 2016 NHAMCS presented data showing that nearly 5.5 million (3.8%) ED visits had a primary diagnosis of mental disorder.²⁴ In the 2010 to 2016 claims data of privately insured patients reported, at least 8.6 million (16.3%) patients across all ages had almost 16.4 million ED visits. Among patients with at least one ED visit with a diagnosis of mental or substance use disorders, they were more likely to have multiple ED visits.²⁵

1.4 Objectives

The objectives of this study were to evaluate the association between the ACA and ED admissions of psychiatric patients for Post-ACA years, 2011 to 2016 and Pre-ACA year 2009. These assessments included the ED admission of psychiatric patients, characteristics of psychiatric patients admitted to the ED, and the ED disposition of treat-and-release of psychiatric patients admitted to the ED. The characteristics of psychiatric patients analyzed were the categories of age (18-25, 26-49, 50-64),

sex/gender (male, female), payer (Medicare, Medicaid, private, uninsured), and region or hospital region (urban, rural). The population of interest was all adult patients aged 18 to 64 with psychiatric conditions admitted to ED.

The NEDS data for the years 2009 and 2011 to 2016 were used for Pre-ACA (2009) and Post-ACA years (2011 to 2016). This research allowed for assessments of the association between the ACA and ED admissions by psychiatric patients over time, as stated in section 1.5. Since the ACA was enacted on March 23, 2010 and the first provision of the ACA, the dependent coverage expansion, went into effect on September 1, 2010.²⁶ The 2010 NEDS did not contain discrete data for Pre-ACA, since the last quarter of 2010 was considered Post-ACA. Hence, the NEDS 2010 data could not be used in the comparisons of Post-ACA versus Pre-ACA data.

1.5 Aims

1.5.1 Specific Aim 1

Is there an association between the ACA and ED admission by psychiatric patients?

Null Hypothesis H₀: There is no association between the ACA and ED admission by psychiatric patients.

Alternative Hypothesis H_A: There is an association between the ACA and ED admission by psychiatric patients.

1.5.2 Specific Aim 2

Is there an association between the ACA and characteristics (age category, sex/gender, payer, and region) of psychiatric patients admitted to the ED?

Null Hypothesis H₀: There is no association between the ACA and characteristics (age category, sex/gender, payer, and region) of psychiatric patients admitted to the ED.

Alternative Hypothesis H_A: There is an association between the ACA and characteristics (age category, sex/gender, payer, and region) of psychiatric patients admitted to the ED.

1.5.3 Specific Aim 3

Is there an association between the ACA and the ED disposition of treat-and-release of psychiatric patients admitted to the ED?

Null Hypothesis H₀: There is no association between the ACA and the ED disposition of treat-and-release of psychiatric patients admitted to ED.

Alternative Hypothesis H_A: There is an association between the ACA and the ED disposition of treat-and-release of psychiatric patients admitted to ED.

2 LITERATURE REVIEW

2.1 Emergency Department and psychiatric patients

2.1.1 Challenges of ED

Due to the Emergency Medical Treatment and Active Labor Act (EMTALA), all Medicare-participating hospitals are required to accept all patients who come to the Emergency Department (ED) for medical care regardless of the patient's ability to pay. EDs must provide an appropriate medical screening exam, treat and stabilize patients' emergency medical conditions prior to releasing or transferring the patients.²⁷ Thus to be in compliance with this law, EDs participating in Medicare are required to treat psychiatric patients who seek care.

Since psychiatric care has become deinstitutionalized, the care of psychiatric patients has shifted from inpatient care to outpatient facilities and community hospitals. With increasing numbers of psychiatric patients and limited availability or access to outpatient mental health care facilities, psychiatric patients turn to EDs for their health care. Psychiatric patients are confronted with reduced medical, social, and psychiatric services, which results in frequent ED visits, boarding in the ED and occupying ED beds for a long period of time, and longer waiting times. Boarding psychiatric patients in the ED, keeping them for an inpatient admission or transfer to other facilities has become a problem for the ED. It contributes to the overcrowding of EDs, poor quality of care for psychiatric and non-psychiatric patients, and a shortage of ED beds for medical emergencies. Government agencies, including the Department of Health and Human Services (DHHS), have recognized that there is a mismatch between the supply and the demand for psychiatric care. The DHHS acknowledged the problem of

psychiatric patients being boarded in the ED mainly due to insufficient short-term hospital beds and the agency recommended the need for shared responsibility between mental health facilities and EDs to manage the care of psychiatric patients.²⁸ In interviews with ED physicians, nurses and psychiatrists, the reasons for psychiatric boarding were stated as the lack of inpatient beds, the need for insurance preauthorization for admission, difficulty in finding placement services for the transfer of patients and the lack of outpatient and community resources for psychiatric patients. All of these factors are underly the current crisis of the mental health system.²⁹ The American College of Emergency Physicians (ACEP) has developed a reference document to address the challenges of managing psychiatric patients in the ED. They focused on the evaluation, medical clearance, boarding, and medical management of psychiatric patients in the ED as well as disposition of psychiatric patients from the ED, best practices for reducing ED boarding of psychiatric patients and community resources for emergency psychiatric patients.²⁸

The EDs are prepared for patients with medical emergencies and continue to improve the care of these patients. EDs however, do not adequately address the needs of psychiatric patients. Patient care surveys evaluate only the patient care experience of non-psychiatric patients in the ED but the care of psychiatric patients is different from non-psychiatric patients.³⁰ In a survey of psychiatric patients, they communicated a desire to be treated with respect by healthcare staff, to have these staff talk and listen to them, to be involved in determining the treatment approach to be used, including use of oral medications and to be asked about their medication experiences and preferences.³¹ For psychiatric patients, the negative attitudes and inadequate training in emergency psychiatry of emergency department physicians and the ED nurses that may negatively impact the patients' outcomes. The ED personnel attitudes toward psychiatric patients

may come from lack of ED guidelines, inadequate educational preparation, lack of confidence in their treatment, and safety concerns.³⁰ The ED physicians face the challenge of medical clearance and evaluation of psychiatric patients and the disposition of psychiatric patients from the ED.²⁸ In response to the increased number of psychiatric patients who present to the ED, the American Academy of Emergency Medicine (AAEM) has released position statements for psychiatric patients. In the position statement for the emergency treatment and discharge of patients with psychiatric illness, AAEM suggested all EDs discharge psychiatric patients under safe conditions, and encourage communities to establish effective options to avoid future psychiatric-related ED visits. In another AAEM position statement, AAEM stated that "ED boarding is a poor option for the psychiatric patients as it compromises their comfort, privacy, and medical and psychiatric care". AAEM encouraged that "the psychiatric services at each hospital to be involved in the management of psychiatric patients who boarded in the ED". AAEM recommended that "hospitals, health care institutions and community mental health resources to seek alternative options other than ED boarding to hold psychiatric patients awaiting hospitalization or transfer to an appropriate facility". AAEM also had a position statement stating that the routine laboratory testing of psychiatric patients in the ED should be clinically and individually based upon the patient's evaluation.³²

The medical treatment of psychiatric disorders in the ED is complex, even for patients with acute psychiatric conditions. ²⁸ Psychiatric patients in the ED typically have acute psychiatric conditions, and they often have to board in the ED for up to a week or longer to ensure no complication with their treatment. ^{28,33} Despite inadequate training in emergency psychiatry, ED physicians must treat psychiatric patients and determine whether they should be admitted to the hospital. ^{29,30} ED physicians have to

diagnose psychiatric patients who may be at risk of homicide or suicide and determine the disposition of these patients from the ED. The EDs typically have a triage process for patients with medical emergencies and need to have a triage process for psychiatric patients.³⁰ A survey of psychiatric patients with ED experiences had unpleasant experiences with their ED visits and suggested EDs use peer support services, improve discharge planning, and the triage process, reduce wait time for treatment, and provide more privacy.^{30,31}

DHHS recommended having a psychiatrist available at the ED, live or via telemedicine, to initiate treatment regimens.²⁹ Since the treatment of psychiatric patients requires follow up, inpatient hospitalization or long-term care, the EDs are not appropriate for treatment of these patients. For example, pharmacological treatment of patients with depression may be to prescribe a first- or second-generation antidepressant. However, these anti-depressants have slow mechanisms of action; patients have to be monitored for adverse events including screening for suicide threats.²⁸

2.1.2 Reasons for ED visits

One reason for psychiatric patients presenting to ED may be due to a lack of access to health care. In a survey of psychiatric patients with ED experience, 20% of patients indicated that the lack of access to routine mental health care was the reason for ED visits.³¹ In one study of patients with psychiatric conditions presented to the ED, 55% of patients had a primary care physician (PCP), 42% did not have a PCP, and 3% were unknown. Psychiatric patients with PCP that were referred to the ED by their PCP or social worker, had more prior hospitalizations, used the ED more in the past year, and had higher numbers of psychiatric evaluations in the past 2 years. Among patients

with no PCP, they were either self-referred to the ED or were referred by a family member or the police. These patients had fewer prior hospitalizations; used the ED less in the past year, and had fewer psychiatric evaluations in the past 2 years.³⁴ Although this study was conducted in an urban, Level I pediatric and adult trauma center with a convenient sample of 294 psychiatric patients, the results cannot be generalized. Nevertheless, it raises an issue that the PCP may not be an optimal resource for psychiatric care.

Another group of patients with psychiatric conditions presenting to the ED are patients with medical conditions, they have either a comorbid condition(s) with mental disorder(s) or undiagnosed mental disorder(s).^{23,35} In a study with 211 adult patients that presented to the ED with non-psychiatric related conditions 45% of patients scored for mental disorder who had no history of mental illness using the Mini International Neuropsychiatric Interview (MINI) test, and the top diagnoses were depression (24%), anxiety (9%), and drug abuse (8%). Among patients that tested positive using the MINI test, 2% were diagnosed with mental illness by the ED physician.³⁵ This was a small study and the diagnosis of patients with positive MINI tests were not confirmed by a psychiatrist. However, ED visits may present an opportunity to identify undiagnosed psychiatric disorders, especially among patients with medical conditions.

In a qualitative study, 20 adult patients with mental illness and/or substance use disorders who had frequent ED visits were interviewed and asked about their ED experiences. These patients had acute and chronic mental and physical health conditions and described their ED visits as unavoidable and an appropriate place for their illness. They felt stigmatized and discriminated against by ED staff, received unsympathetic care and were discharged without anticipated treatment. Despite having

negative experiences with ED, these patients continued to return to the ED for treatment.³⁶

A population-based, case-control study showed that suicide decedents had a significantly higher number of total mental health-related ED visits within the last year before death, and were more likely to have psychiatric diagnoses in the previous year.³⁷ In a 3-year study of state-wide Kentucky outpatient services data, of decedents who died by suicide or homicide, 10.7% of those that died by suicide and 8.3% of those that died by homicide had ED visits within 6 weeks prior to their death. The decedents who died by suicide were more likely to have depressive, anxiety and/or substance use disorders and those who died by homicide were more likely to have substance use disorder.³⁸ In a population-based case-control study, the number of ED visits was a risk factor for suicide, and the risk of suicide increased as the number of ED visits increased.³⁹

2.1.3 Common Psychiatric Diagnosis

Multiple studies have looked at the more prevalent psychiatric diagnoses in the ED. In the 2000 NHMACS Survey, the most common mental disorders among adults treated in the ED were alcohol and drug-related conditions followed by neurotic conditions. In this study of patients with substance use disorder, 18% had at least one other psychiatric disorder. Among adults with psychiatric diagnoses, one study that used the 2006-2007 National Health Access Survey data reported the most common psychiatric diagnoses in ED as depression (25%), personality disorders (20%), bipolar disorder (15%), and schizophrenia (13%). In the study using the 2007 CDC NHDS survey, among patients aged 18–64 years with primary diagnosis of mental illness, the most common psychiatric disorders were mood disorders followed by alcohol and

substance use. In the 2007-2008 CDC ambulatory care services surveys of adults, with mental disorders visits, depressive disorder had the highest prevalence (31%) followed by schizophrenia and other psychotic disorders (23%). The proportion of ED visits were higher for the alcohol and drug use substance use disorder than for other mental disorders.² The 2007 NEDS data showed that the most common psychiatric-related ED visits among adults were mood disorder (42.7%), anxiety (26.1%), alcohol-related (22.9%), drug-related (17.6%), schizophrenia and other psychoses (9.9%) and intentional self-harm (6.6%). This survey showed the combined alcohol- and drug-related conditions, namely substance use disorder, is one of the top 2 most common psychiatric disorders.²² In the 2010 North Carolina population-based study of the mental illness-related ED visits, the most common diagnoses were combined depression, anxiety, and stress disorders which accounted for 62.3% of ED visits followed by combined schizophrenia, delusional, and psychosis disorders for 19.5% of ED visits.²¹ In this study, substance use disorders were excluded as a mental disorder.

In a study of the population aged 15 years or older between 2006 and 2013, the rate of individuals (number of ED visits per 100,000) with psychiatric disorders increased 37% for substance use disorders, increased 55.5% for depression, anxiety or stress reactions disorders and increased 52.0% for psychoses and bipolar disorders. In 2013, the rate of ED visits with substance use disorders was higher for males than females (males: 3,346 per 100,000; females: 1,733 per 100,000). The rate of ED visits was higher for females than males for depression, anxiety or stress reactions disorders (males: 2,854 per 100,000; females: 4,981 per 100,000) and psychoses and bipolar disorders (males: 1,342 per 100,000; females: 1,426 per 100,000). From 2006 to 2013, the rate of ED visits for substance use disorders; depression, anxiety or stress reactions

disorders and psychoses and bipolar disorders increased for adults aged 18-44, 45-64 and 65 or older.⁴⁰

Hashmi et al.,⁴¹ indicated that the most common mental disorders in EDs are patients with substance use disorders followed by patients with suicidal ideation, attempted suicide, psychosis, and anxiety disorders. The authors stated that among patients with substance use disorders, abuse of drugs such as alcohol, marijuana, and cocaine are common but there are new drugs referred to as "designer" drugs, which are difficult to detect.⁴¹ In 2014, the American College of Emergency Physicians stated that psychiatric-related ED admissions are typically for acute psychiatric disorders, substance use disorders, and comorbid medical conditions which can be managed in an outpatient setting.²⁸

2.2 The Affordable Care Act and Access to Healthcare

The Patient Protection and Affordable Care Act (PPACA) or the Affordable Care Act (ACA) was signed into law on March 23, 2010, by President Obama. The ACA was designed to improve access, affordability, and quality of healthcare. The first provision of ACA was the dependent coverage, which allowed young adults aged 18-25 to stay on a parent's health plan and went into effect in 2010.²⁶ The ACA identified ten categories of services and items included in essential health benefits (EHBs) that all insurance companies must cover as of January 1, 2014. Among the ten EHBs, ambulatory and emergency services; hospitalization; mental health and substance use disorder services, including behavioral health treatment and prescription drugs were included.⁴² The ACA focused on improving access and quality of health care using payment reform strategies.^{26,43} McClelland et al.,⁴³ stated that "In the ACA, hospital-based emergency departments (EDs) are referenced as places to be avoided and

reduced; no new payment models focus on ED care, and there are no plans to broadly address ED-specific quality through new measurement programs." In a National Health Interview Survey of adults from 2004 through 2009 found that ED use was higher among newly insured adults compared to continuously insured adults.⁴⁴

With enactment of the ACA, there are more people insured through the private insurance market place combined with financial assistance for low- to moderate-income and the Medicaid expansion program in the participating states. The uninsured individuals of all ages declined from 48.6 million (16.0%) in 2010 to 36.0 million (11.5%) in 2014 and 28.6 million (9.1%) in 2015, a percentage reduction of 43% from 2010 to 2015. For adults aged 18–64 years, the number of uninsured adults declined from 42.5 million (22.3%) in 2010 to 31.7 million (16.3%) in 2014 and to 25.1 million (12.8%) in 2015, a percentage reduction of 41% from 2010 to 2015. The percentage of uninsured adults aged 18-64 declined by 43.6% (17.7 million) from October 2013 through the end of first quarter of 2016, from 20.4% in Q4 2013 to 11.5% in Q1 2016. Based on the National Health Interview Survey from January 2010 to December 2018, the percentages of uninsured nonelderly adults, aged 18-64 were 22.3% in 2010, 12.6% in 2016 and 13.3% in 2018, a percent reduction of 44% from 2010 to 2016 and a reduction of 41% from 2010 to 2018.

Several studies evaluated the effect of the ACA and/or Medicaid expansion on ED visits with varied results. In a study of the Illinois health insurance expansion, average monthly ED visits for adults aged 18 to 64, from Pre-ACA (2011 to 2013) to Post-ACA (2014 to 2015), increased by 5.7% but the average monthly hospitalizations were unchanged. In this study, average monthly ED visits of the uninsured decreased by 42.4%, Medicaid ED visits increased by 41.9%, and privately insured ED visits increased by 10.2%. In a study of the early adoption of Medicaid expansion, in

California, under the ACA, there was no significant change in the overall number of ED visits, an increase in ED visits by those insured by Medicaid, and a decrease in uninsured ED visits.⁴⁹ In 2008, Oregon initiated a limited Medicaid expansion program for uninsured low-income adults aged 18-64 using a lottery system. In an Oregon Health insurance study using survey data from the lottery list and Oregon Health Plan ED visit data from 2008 to 2009, they found that there was a significant increase in ED visits for all types of conditions and subgroups, including non-emergency conditions, that could be treated in a primary care setting.⁵⁰ In one study of the Massachusetts Health Care Reform of 2006, similar to the ACA, ED visits declined by 5% to 8%, mainly a reduction of non-emergency visits.⁵¹ These studies varied in study design, size, types of data, and analysis methodology, which perhaps led to a mixed conclusion.

Several studies reported the effect of the ACA's, including the Act's dependent coverage provision on ED use. The dependent coverage expansion allowed young adults aged 19-25 to stay on a parent's health insurance until age 26.²⁶ An estimated 2.3 million young adults aged ages 19 to 25 were insured from October 2013 through the first quarter of 2016.⁴⁶ In one study using the NEDS data from 2007 to 2011, the ED use among young adults aged 19-25 years compared to older adults aged 27 to 29 (control group) showed that the overall ED visits declined for the young adults from Pre-ACA (2007 to 2009) to Post-ACA (2011). Still, psychiatric-related ED visits for the younger adults increased Post-ACA.⁵² In another study of ED visits from California, Florida, and New York using the administrative claims data from 2009 to 2011, the overall ED visits among young adults aged 19-25 years compared to older adults aged 26 to 31 (control group) decreased for the young adults from Pre-ACA (2009) to Post-ACA (2011), but psychiatric-related ED visits for the young adults increased Post-ACA.⁵³ In a study of California inpatient admissions and ED data from

2005 to 2011, it was found that the ACA dependent coverage was associated with an increase in the inpatient admissions and a decrease in ED admissions for young adults (19-25 years) with psychiatric diagnoses compared to the control group (26-29 years) with psychiatric diagnoses.⁵⁴ In one study using California state emergency data from 2009 to 2011, the effect of the ACA dependent provision on the psychiatric-related ED visits from Pre-ACA (January 2009 through August 2010) to Post-ACA (January through December 2011) showed fewer ED visits for young adults aged 19 to 25 compared to adults aged 27-31. This decrease was true for all race groups except Hispanics and Asian/Pacific Islanders.⁵⁵ These studies varied in study design, size and types of data, control age group (27-29, 26-29, 26-31 years) and analysis methodology, which perhaps led to mixed conclusions.

Several studies evaluated the effect of the ACA Medicaid Expansion on ED visits. In one study comparing 14 states with Medicaid expansion and 11 states with no expansion in 2014 found that the total ED use per 1000 population increased by 2.5 visits in states with Medicaid expansion compared to non-expansion states and the ACA's Medicaid expansion changed ED payer mix and increased ED use. In states with Medicaid expansion, the ED visits covered by Medicaid increased by 8.8% and the uninsured ED visits decreased by 5.3%. Shates A study using the data from Maryland's Health Services Cost Review Commission for two time periods, Pre-ACA (July 2012—December 2013) and Post-ACA (July 2014-December 2015) found that between Pre-ACA and Post-ACA, the total number of ED visits declined by 1.2%, ED visits with Medicaid insurers increased by 5.6% (Pre-ACA: 23.3%, Post-ACA:28.9%), and uninsured ED visits decreased by 5.9% (Pre-ACA: 16.3%, Post-ACA:10.4%). Among patients who were uninsured in the Pre-ACA, those with Medicaid in the Post-ACA had an estimated 2.38 visits in the Post-ACA and those who remained uninsured had

an estimated 1.66 visits in the Post-ACA. This study did not find a relationship between Medicaid expansion and the total number of ED visits.⁵⁷

2.3 Access to Mental Health Services

2.3.1 Mental Health Services

ED admission of psychiatric patients and the boarding of psychiatric patients in the ED are problems facing the EDs and psychiatric patients. In a study in nine hospitals, interviews with a small group of ED physicians, nurses, on-call psychiatrists and community mental health stakeholders were conducted to understand the psychiatric boarding problems. They found that hospitals with a psychiatric emergency services model provided better diagnosis and treatment of psychiatric patients with a consultant psychiatrist and a strong collaboration with the community health care. In a 2008 survey of ED and psychiatric healthcare professionals, the participants shared their experiences with boarding the psychiatric patients in ED and suggested a shortterm and long-term solution for psychiatric patients admitted to ED and to relieve the psychiatric boarding issue. Their short-term solutions were to increase staffing and the number of social workers to care for psychiatric patients; identify psychiatric patients with frequent ED visits to ensure their follow-up care, including adherence to medications, and appointment with outpatient facilities; a boarding location within the hospital dedicated for psychiatric patients; improved training and education for ED staff to enhance screening and psychiatric evaluations of psychiatric patients; having a psychiatrist involved in the psychiatric evaluations; improve scheduling and the discharging process of patients and improve collaboration with community and outpatient facilities to discharge patients properly and ensure follow up psychiatric care. Their long-term solutions included increasing outpatient and community facilities for psychiatric patients; creating a separate psychiatric and behavioral health unit within the general hospital to ensure psychiatric patients receive care from mental health professionals while boarding; increasing inpatient beds for psychiatric patients; regionalizing patients' care across hospitals; innovate patients' psychiatric care through telepsychiatry, and psychiatrists as hospitalists; eliminating out-of-network insurance issues that may increase options for inpatient care; and improving or reforming the state health departments and communities mental health system and ultimately improving access to mental health services and quality of care.²⁹

2.3.2 Integrated Health Care

The idea of integrated healthcare through the co-location and/or integration of primary care and mental health services would be beneficial for patients with psychiatric conditions. The co-location refers to the physical location and integration to the coordination of primary care and mental health provider care. A cohort study of veterans with chronic medical conditions and serious mental illness in a co-located and integrated primary care clinic and outpatient mental health services found that the co-location reduced some barriers of delivering care and the integration of care resulted in high quality care for patients and improved both the physical and the mental health outcomes while reducing ED visits.⁵⁸ In the State of Georgia, an integrated emergency care model was designed and piloted through a strategic partnership between Grady Health System and the Department of Psychiatry at Morehouse School of Medicine to improve access, quality, and the cost of healthcare in the ED for patients with psychiatric disorders. The ED data from the pre-intervention period (January 2011 to August 2011) and the post-intervention period (September 2011 to May 2012) were analyzed and demonstrated improvements in the quality metrics, reduction in the time

to triage, the time from disposition to discharge, and the psychiatric length of stay and ensured psychiatric patients receive mental health treatment. They indicated that integrated the emergency care model improved the overall emergency department's productivity and patients' outcomes.⁵⁹ In 1992, the State of Minnesota was faced with an increasing number of psychiatric patients with frequent visits to ED and with inadequate psychiatric care and increased number of insurance denials. The State improved the communication and the relationships between the ED and the crisis intervention unit (CIU) and implemented a psychiatric triage with CIU who were psychiatrists, trained psychiatric nurses and social workers. This led to an improvement in the quality of care for psychiatric patients, and a decrease in insurance denials.⁶⁰

2.3.3 Telepsychiatry

Telepsychiatry is an electronic communication method that provides clinical psychiatric care via video conferencing, phone call or electronic mail. Telepsychiatry improves access to psychiatric care in rural, suburban, and urban areas, and enables connecting psychiatrists to health care facilities. It requires internet access, limits face-to-face interactions and thus nonverbal communication, and may impact treatment outcomes and privacy. One study looked at the length of stay of psychiatric patients in the ED at an urban hospital and compared this to in-house psychiatric consultations with telepsychiatry. This study was a retrospective chart review of a 3-month period of ED psychiatric consultations of psychiatric patients with another 3-month period of telepsychiatry in the same ED. They found that telepsychiatry decreased the time for the psychiatric clearance and discharge of patients to their home, but there was no difference between telepsychiatry and psychiatric consultation with respect to the time to ED disposition for hospitalization, transfer to long-term psychiatric facilities or

continued observation.⁶² This study was a convenience sample of psychiatric patients in one hospital and patients' psychiatric diagnosis but the severity of illness were not considered in the assessment of length of stay to discharge. In addition, the effectiveness of telepsychiatry and face-to-face psychiatric evaluations and the patients' outcome and the follow-up in their care were not considered.

2.3.4 Peer Support

The Substance Abuse and Mental Health Services Administration (SAMHSA) defined peer support related to mental health services as "a range of activities and interactions between people who have shared similar experiences of being diagnosed with mental health conditions". The peer support worker's role is to interact and connect with patients with mental illness to motivate, inspire, encourage them and support their recovery and share their experiences with recovery from their mental illness. The peer support role is a valuable addition to the mental health system. ⁶³ The Mental Health America organization (MHA) offers training and national advanced certification programs for the peer support specialist. ⁶⁴

A qualitative study assessed the challenges and opportunities of the peer support services and non-peer mental health workers in the community mental health setting. The peer and non-peer mental health workers were interviewed and shared their experiences of working together. The peer mental health workers expressed their experiences with the mental health organizations into three themes, job satisfaction referred to as role clarity and autonomy, peer acceptance as how they felt about being part of the team and organization, and professional enhancements as professional advancement in their role within the mental health organizations. The non-peer mental health workers expressed their experiences into two categories, fidelity described as a

need for role clarity for peer support with a set of policy and procedures for peer services, and organizational culture and support indicated as leadership support, peer training and team building activities to integrate peer support into the organization.⁶⁵ In general, an effective integration of peer support into the mental health services would be beneficial for psychiatric patients as well as mental health providers.

3 METHODOLOGY

3.1 Study Design

This is a cross-sectional study to evaluate the association between the ACA and ED admission by psychiatric patients for the year 2009 (Pre-ACA) versus the years 2011 to 2016 (Post-ACA). These assessments consist of overtime evaluation of ED admission of psychiatric patients, characteristics of psychiatric patients admitted to ED, and ED visit disposition of psychiatric patients admitted to ED, treated and then released (treat-and-release). The population of interest is all adult patients aged 18 to 64 with psychiatric conditions admitted to ED.

3.2 Data Source

The NEDS database, one of the Healthcare Cost and Utilization Project (HCUP) databases, was selected for the analysis of endpoints. The HCUP is one the largest longitudinal hospital care database sponsored by the Agency for Healthcare Research and Quality (AHRQ) and developed through a Federal-State-Industry partnership from participating states in the United States. It is the largest all-payer emergency department database in the United States. It comprises approximately a 20% sample of hospital-based ED data from participating states using a stratified, random sampling design with five hospital characteristics as strata. The strata are geographic region, trauma center designation, urban-rural location, teaching status, and control. The geographic regions are categorized as Northeast, Midwest, West, or South. The trauma center designations are categorized as level I, II, & III trauma centers and teaching status are based on teaching or non-teaching. The control group is the public group which includes government or non-Federal insurer; voluntary group, such as private or not-for-profit insurer; and proprietary group such as private investor-owned/for-profit insurer. The

urban-rural designation is based on the county that the hospital is located and categorized as large and small metropolitan, micropolitan and non-urban for the remaining categories. The NEDS sample consists of over 950 hospital-based EDs data, with all visits from each selected ED. This resulted in more than 25 million unweighted observations in one-year of data.⁶⁶

The NEDS databases for years 2009, and 2011-2016 were selected for this study. All ED visits with at least one diagnosis were selected for all adult patients aged 18 to 64 and those with at least one psychiatric diagnosis were utilized for the analysis. The Behavioral and Mental Health disorders codes 290-319 for the International Classification of Disease (ICD) edition 9 (ICD-9) and F01-F99 for ICD-10 were used for selecting ED visits with at least one psychiatric diagnosis. 67,68

3.2.1 Data Elements and Derived Variables

All data elements in the NEDS databases for 2009-2016 are listed in Appendix

A. The NEDs data elements or variables selected for the analysis are in Table 1.⁶⁶

Table 1: Selected NEDS Data Elements

Variable	Description/Value (Value Description)/Data Source				
AGE	Description: Age in years at admission				
	Value:				
	• 0-124=Age in years				
	• .=Missing				
	.A=Invalid				
	.B=Unavailable from source				
	.C=Inconsistent				
	Data Source: Core 2006-2016				
DXn	Description: ICD-9-CM Diagnosis				
	Value:				
	annnn=Diagnosis code				
	Blank=Missing				
	invl=Invalid				
	incn=Inconsistent				
	Data Source: Core 2006-2015 Q3				
DXVER	Description: Diagnosis codes ICD version indicator				
	Value:				
	9=ICD-9-CM diagnoses				
	10=ICD-10-CM diagnoses				
	Data Source: Core 2015-2016				

Table 1: Selected NEDS Data Elements (Continued)

	Table 1: Selected NEDS Data Elements (Continued)
Variable	Description/Value (Value Description)/Data Source
EDEVENT	Description: Type of ED event
	Value:
	• 1= ED visit in which the patient is treated and released
	• 2= ED visit in which the patient is admitted to this same hospital
	• 3= ED visit in which the patient is transferred to another short-term hospital
	• 9= ED visit in which the patient died in the ED
	• 98= ED visit in which the patient is not admitted to this same hospital, destination
	unknown
	• 99= ED visit in which the patient is not admitted to this same hospital, discharged alive,
	destination unknown
	• .=Missing
	Data Source : Core 2006-2016
FEMALE	Description: Indicator of sex
	Value:
	• 0= Male
	• 1= Female
	• .= Missing
	.A= Invalid
	• .C= Inconsistent
	Data Source: Core 2006-2016
HOSP_ED	Description: HCUP ED hospital identifier
nosi_Lb	Value:
	• 5(n)= HCUP NEDS hospital identification number
	Data Source : Core 2006-2016; Hospital 2006-2016; ED 2006-2016
HOSP_URCAT4	Description: Hospital urban-rural designation
	Value:
	• 1= Large metropolitan areas with at least 1 million residents
	• 2= Small metropolitan areas with less than 1 million residents
	• 3= Micropolitan areas
	4= Not metropolitan or micropolitan (non-urban residual)
	6= Collapsed category for any urban-rural location (only applicable to the NEDS,
	beginning in 2014)
	• 7= Collapsed category of small metropolitan and micropolitan, (only applicable to the
	NEDS, beginning in 2011)
	8= Metropolitan, collapsed category of large and small metropolitan
	Non-metropolitan, collapsed category of micropolitan and non-urban
	Data Source: Hospital 2006-2016
I10_DXn	Description: ICD-10-CM Diagnosis
	Value:
	annnnn= Diagnosis code
	Blank= Missing
	• invl=Invalid
	• incn=Inconsistent
	Data Source: Supplemental ED Q4 2015; Core 2016
KEY ED	Description: HCUP NEDS record identifier
_	Value: 14(n)=HCUP NEDS record identifier
	Data Source: Core 2006-2016; Supplemental ED 2006-2016
PAY1	Description: Expected primary payer, uniform
	Value:
	• 1= Medicare
	• 2= Medicaid
	• 3= Private insurance
	• 4= Self-pay
	• 5= No charge
	• 6= Other
	• .= Missing
	.– Missing .A= Invalid
	.A= invalid .B= Unavailable from source
	Data Source: Core 2006-2016
YEAR	Calendar year (the discharge year)
LAN	yyyy= 4-digit calendar year
	Data Source : Core 2006-2016; Hospital 2006-2016
	2 am 5 am 20. Cole 2000 2010, 1105ptm 2000 2010

The derived variables with their description and coding scheme are listed in Table 2.

Table 2: Derived Variables

Variable	Description				
AGECAT	Age category				
	• $0 = 0 \le age \le 17$				
	• $1 = 18 \le age \le 64$				
	• 2 = age ≥65				
AGEC	Age category				
	• $1 = 18 \le age \le 25$				
	• $2 = 26 \le age \le 49$				
	• $3 = 50 \le age \le 64$				
ETYPEC	ED Disposition category				
	• 1 = Treat-and-Release (edevent=1)				
	• 2 = Transferred/Admitted to Hospital (edevent =2, 3)				
	• 3 = Other ((edevent = 9, 98, 99)				
HURC	Hospital region (urban/rural) category				
	• 1 = Urban (hosp_urcat4=1, 2, 3, 7, 8)				
	• 2 = Rural (hosp_urcat4= 4, 6, 9)				
NUMDX	Total number of non-missing diagnosis, where DXn = ICD-9-CM or I10_DXn= ICD-10				
	Diagnosis				
NUMPD	Total number of psychiatric diagnosis				
	DXn Diagnosis with ICD-9-CM codes from 290 to 319 or I10_DXn diagnosis with ICD-10 codes				
	from F01 to F99.				
PAYERC	Primary payer				
	• 1= Medicare (pay1=1)				
	• 2= Medicaid (pay1=2)				
	• 3= Private (Pay1=3)				
	• 4= Uninsured (pay1=4, 5, 6)				
Sex	0 = Male				
	1 = Female				

The NEDS data is ED visit level discharge data. For each ED visit, the diagnosis or, disease conditions are up to fifteen diagnoses for the 2009 and 2011 to 2013 and up to thirty diagnoses for the 2014 to 2016 coded and collected in the NEDS database. The diagnosis codes of NEDS are based on the International Classification of Disease, edition 9 (ICD-9-CM) for the years 2009, 2011 to 2014 and the first three-quarters of 2015 data and ICD-10-CM for the last quarter of 2015 and 2016 data. The ICD-9 diagnosis codes for Behavioral and Mental Health used were from 290 to 319. All ICD-9 diagnoses were coded by rolling up to the higher level of codes between 290 and 319 and grouped into seven categories as stated in Table 3.67

Table 3: ICD-9 Categories

Group #	ICD-9 Codes	Group Description	
1	290, 293, 294, 297	Dementias/Delusional/Transient/Persistent	
2	291, 292, 303, 304, 305	Drug and Alcohol Dependence	
3	295, 298	Schizophrenic and Other Psychoses	
4	296, 311	Depressive and Episodic Mood	
5	300	Anxiety, dissociative and somatoform	
6	308, 309	Acute and Adjustment Reaction to Stress	
7	299, 301, 302, 306, 307, 310, 312-319	Other	

The ICD-10 diagnosis codes for Mental and Behavioral Health are from F01 to F99, with further detailed coding within each level. Since the NEDS data for 2009, 2011 to 2014 and the first three-quarters of 2015 data are coded using ICD-9 codes, and the diagnosis codes for the last quarter of 2015 and 2016 data use ICD-10 codes, to compare the incidence of diagnoses for 2011 to 2016 with the 2009 diagnoses, all diagnosis codes should be on the same coding system. Since most of the diagnoses data are coded in ICD-9, it was necessary to find the corresponding CD-9 codes for each ICD-10 code. All ICD-9 codes were mapped to ICD-10 detailed levels using the AHRQ MAPIT toolkit.⁶⁹ The MAPIT tool takes a set of ICD-9 codes at each level up to 5-digit codes and map it into an equivalent ICD-10 code at each level up to 5-digit codes using Centers for Medicare & Medicaid (CMS) equivalence mapping. This mapping were done in a two-step process, forward and backward mapping. All forward and backward mapping codes are used to find the equivalent of each ICD-10 code for each ICD-9 code at a detail level up to 5-digits (Appendix B). The ICD-10 diagnosis codes in the last quarter of 2015 and 2016 data are rolled up to the top level, F01 to F99. These diagnosis data files for the fourth quarter of 2015 and 2016 are merged with the ICD-9 to ICD-10 Mapping file, where ICD-10 codes were also rolled up to the highest level. These results are the assignment of ICD-9 codes and groupings for each ICD-10 code in the data for the fourth quarter of 2015 and 2016. The high-level coding is listed in Table 4.67,68

Table 4: Mapping of ICD-10 to ICD-9 Group # ICD-9 ICD-10 290, 293, 294, 297 F01, F02, F03, F04, F05, F06, F22, F23, F24, F53 291, 292, 303, 304, 305 F10, F11, F12, F13, F14, F15, F16, F17, F18, F19, F55 F20, F23, F25, F28, F29, F32, F33, F44 F30, F31, F32, F33, F34, F39 296, 311 300 F34, F40, F41, F42, F44, F45, F48, F68, F99, R45 308, 309 F43, F93, F94, R45 6 299, 301, 302, 309, 307, 310, 312, 313, 314, F07, F09, F21, F34, F42, F45, F48, F50, F51, F52, 315, 316, 317, 318, 319 F54, F59, F60, F63, F64, F65, F66, F68, F69, F70, F71, F72, F73, F78, F79, F80, F81, F82, F84, F88, F89, F90, F91, F93, F94, F98, G44, H93, R45, R48,

3.3 Endpoints

The endpoints, outcome measures are:

- 1. The proportion of ED visits for patients with psychiatric disorders.
- The proportion of psychiatric-related ED visits by age category (18 ≤ age ≤25,
 26 ≤ age ≤49 and 50 ≤ age ≤64), sex/gender (Male, Female), payer (Medicare,
 Medicaid, Private, Uninsured), and hospital region (Urban, Rural).
- 3. The proportion of patients with ED disposition of treat-and-release for psychiatric patients admitted to ED.

3.4 Statistical Analysis

All endpoints were summarize using the descriptive statistics and analyzed. For statistical analyses, all tests are two-sided with significance interpreted at $\alpha = 0.05$.

3.4.1 Specific Aim 1

The primary comparison of interest is the proportion of ED visits for patients with psychiatric conditions admitted to ED. The analysis methodology is logistic regression adjusting for covariates such as age sex/gender, payer, and hospital region. The following categories are considered for the covariates:

Age (years): $18 \le age \le 25, 26 \le age \le 49, 50 \le age \le 64$

Sex: Male, Female

Payer: Medicare, Medicaid, Private, Uninsured

Hospital Region: Urban, Rural

The odds ratio (OR) and 95% confidence interval (CI) using Mantel-Haenszel Chi-Square (χ 2) statistics were computed and reported. The Proc Logistics method in SAS were used with the model shown below.

Analysis Model:

ED Visit = ACA

Where variables are:

i. ED Visit (1 = Yes, 2 = No)

ii. ACA (1=YES, 0=NO) 1 for post-ACA, 0 for pre-ACA

iii. Agec $(1=18 \le Age \le 25, 2=26 \le Age \le 49, 3=50 \le Age \le 64)$

iv. Sex (0=Male, 1=Female)

v. Payerc (1=Medicare, 2=Medicaid, 3=Private, 4=Uninsured)

vi. Uhrc (1=Urban, 2=Rural)

3.4.2 Specific Aim 2

The proportion of psychiatric-related ED visits by age category, sex/gender, payer, and hospital region were evaluated at each level of patient characteristics and compared for each Post-ACA year (2011 to 2016) to Pre-ACA, 2009. The statistical significance of each variable are measured using Mantel-Haenszel $\chi 2$ statistics. For statistical analyses, all tests are two-sided with significance interpreted at $\alpha = 0.05$.

3.4.3 Specific Aim 3

For this aim, the proportion of psychiatric-related ED visits with the disposition of treat-and-release were evaluated using logistic regression model adjusting for

covariates. The analysis model is similar to that of Specific Aim 1. The ORs and 95% CIs using Mantel-Haenszel $\chi 2$ statistics were reported.

In this study, the covariates are limited to age, sex/gender, payer, and hospital region because the NEDS data does not contain other demographic or socioeconomic data such as race and ethnicity. All data were summarized using descriptive statistics and analyzed as stated above. All data will be reported for the observed data. No imputation are made for missing data. The statistical significance of each endpoint are measured using Mantel-Haenszel $\chi 2$ statistics. For statistical analyses, all tests are two-sided with significance interpreted at $\alpha = 0.05$. The SAS software version 9.4 were used for the reporting of all data and analysis of endpoints.

4 RESULTS

The number of ED visits for all ages from the data in NEDS 2009 and 2011 to 2016 data was 28.9 million in 2009, 28.8 million in 2011, 31.1 million in 2012, 29.6 million in 2013, 31.0 million in 2014, 30.5 million in 2015 and 32.7 million in 2016 (Table 5). A majority of ED visits for all ages had at least one diagnosis. During 2009 and 2011 to 2016, more than 99% of ED visits had a diagnosis. The overall number of ED visits for all ages increased between 0.7 to 3.8 million visits from Pre-ACA 2009 to Post-ACA years, 2012 to 2016 and decreased by more than 70,000 visits from Pre-ACA to Post-ACA 2011 (Table 5). Table 5 shows a summary of reported ED visits from the NEDS 2009 and 2011 to 2016 data.

Table 5: Summary of Emergency Department Visits

Year		ED Visits for	ED Visits for All Ages		Change from Pre-ACA in	
		All Ages N	With Diagnosis n (%)	With No Diagnosis n (%)	Number of ED Visits n	
Pre-ACA	2009	28,861,047	28,857,685 (99.99)	3,362 (0.01)	N/A	
	2011	28,788,399	28,778,945 (99.97)	9,454 (0.03)	-72,648	
	2012	31,091,020	31,081,397 (99.97)	9,623 (0.03)	2,229,973	
Post-ACA	2013	29,581,718	29,566,546 (99.95)	15,172 (0.05)	720,671	
	2014	31,026,417	31,018,357 (99.97)	8,060 (0.03)	2,165,370	
	2015	30,542,691	30,517,883 (99.92)	24,808 (0.08)	1,681,644	
Ì	2016	32,680,232	32,673,763 (99.98)	6,469 (0.02)	3,819,185	

Note: Percentages are based on total visits, N

Over 60% of all ED visits were adults aged 18-64 years old (Table 6). The ED visits for adults 18-64 increased from Pre-ACA 2009 to Post-ACA years 2011 to 2016 (Table 6). Among ED visits for adults 18-64, more than 99.9% of ED visits had at least one diagnosis (Table 6). Table 6 shows a summary of reported ED visits for adults aged 18-64.

Table 6: Summary of Emergency Department Visits for Adults 18-64

	1 44.01.	o or Summing	or Emergency Be	partificate visits for readits i	0 0.
Year		ED Visits for All Ages	ED Visits for Adults 18-64	Change from Pre-ACA in Number (%) of ED Visits	ED Visits for Adults 18-64, with
		N	n (%)	Adults 18-64, n (%)	Diagnosis, n (%)
Pre-ACA	2009	28,861,047	17,647,987 (61.1)	N/A	17,645,539 (99.99)
	2011	28,788,399	17,851,375 (62.0)	203,388 (0.9)	17,845,772 (99.97)
	2012	31,091,020	19,332,543 (62.2)	1,684,556 (1.0)	19,325,068 (99.96)
Post-ACA	2013	29,581,718	18,422,747 (62.3)	774,760 (1.1)	18,412,805 (99.95)
	2014	31,026,417	19,504,512 (62.9)	1,856,525 (1.7)	19,498,007 (99.97)
	2015	30,542,691	18,755,893 (61.4)	1,107,906 (0.3)	18,738,803 (99.91)
	2016	32,680,232	20,077,331 (61.4)	2,429,344 (0.3)	20,073,238 (99.98)

Note: Percentages are based on total visits, N

The number of ED visits for adults aged 18-64 with at least one diagnosis was 17.6 million in Pre-ACA 2009 and for Post-ACA years, 17.8 million in 2011, 19.3 million in 2012, 18.4 million in 2013, 19.5 million in 2014, 18.7 million in 2015, and 20.1 million in 2016 (Table 6). The number of ED visits for adults 18-64 with diagnosis was higher in Post-ACA 2016 (20.1 million) than any other years Post-ACA with the lowest in Post-ACA 2011 (17.6 million). Figure 1 shows the graphical presentation of ED visits for all ages and adults aged 18-64 years.

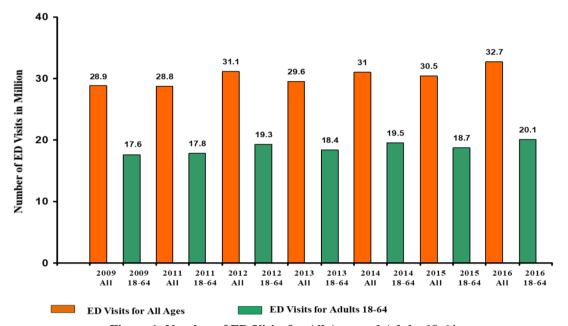


Figure 1: Number of ED Visits for All Ages and Adults 18-64

ED visits for adults aged 18-64 with at least one diagnosis were used for the analysis and reporting of data.

4.1 Psychiatric-Related Emergency Department Visits

The psychiatric-related ED visits were more than 4.3 million visits in Pre-ACA, 2009, and ranging from 4.7 million to 6.0 million visits in Post-ACA, 2011 to 2016 (Table 7). The proportion of psychiatric-related ED visits increased from 24.1% in Pre-ACA 2009 to Post-ACA years to 26.4% in 2011, 27.3% in 2012, 28.6% in 2013, 29.9%

in 2014, 31.3% in 2015, and 29.8% in 2016 (Table 7). Table 7 shows the number of all ED visits and psychiatric-related ED visits for adults 18-64 with at least one diagnosis.

Table 7: Summary of Psychiatric-Related ED Visits

		ED Visits for Adults 18-64	Psychiatric-Related ED Visits
Year		N	n (%)
Pre-ACA	2009	17,645,539	4,253,110 (24.1)
	2011	17,845,772	4,717,856 (26.4)
	2012	19,325,068	5,267,941 (27.3)
Post-ACA	2013	18,412,805	5,261,875 (28.6)
	2014	19,498,007	5,832,444 (29.9)
	2015	18,738,803	5,857,686 (31.3)
	2016	20,073,238	5,986,274 (29.8)

Note: Percentages are based on total visits, N

Figure 2 shows the graphical presentation of the number of all ED visits and psychiatric-related ED visits for adults 18-64 with at least one diagnosis.

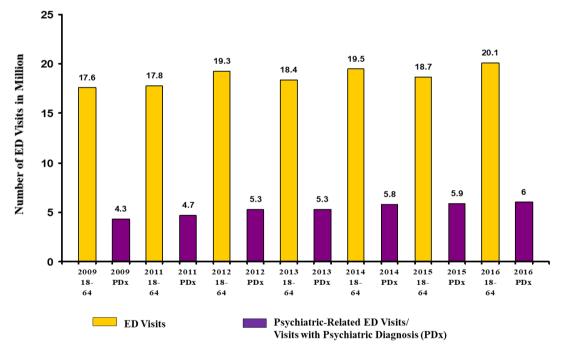


Figure 2: Number of ED Visits and Psychiatric-Related Visits, Adults 18-64

4.2 Characteristics of Psychiatric-Related ED Visits

Tables 8 and 9 show the summary of psychiatric-related ED visits by age and the change from Pre-ACA to Post-ACA in the number and percentage of psychiatric-related ED visits by age. The proportion of psychiatric-related ED visits decreased over time from Pre-ACA to Post-ACA 2011 to 2016, from 17.6% in 2009 to 15.2% in 2016

for adults 18-25. It decreased over time for adults 26-49 from 55.6% in Pre-ACA 2009 to 53.3% in Post-ACA 2014, and slightly increased in 2015 and 2016 to 53.5% and 53.6%, respectively. For adults 50-64, it increased over time from 26.8% in Pre-ACA 2009 to Post-ACA 2011 to 2016 with the proportions ranging from 28.3% to 31.1%.

Table 8: Summary of Psychiatric-Related ED Visits by Age

	=						
		Psychiatric-Related ED Visits					
Year		N	$18 \le age \le 25$	$26 \le age \le 49$	50 ≤ age ≤ 64		
Pre-ACA	2009	4,253,110	749,855 (17.6)	2,363,199 (55.6)	1,140,056 (26.8)		
	2011	4,717,856	823,081 (17.4)	2,560,003 (54.3)	1,334,772 (28.3)		
	2012	5,267,941	899 050 (17.1)	2,839,605 (53.9)	1,529,286 (29.0)		
Post-ACA	2013	5,261,875	874,206 (16.6)	2,820,459 (53.6)	1,567,210 (29.8)		
	2014	5,832,444	945,765 (16.2)	3,107,914 (53.3)	1,778,765 (30.5)		
	2015	5,857,686	920,502 (15.7)	3,135,229 (53.5)	1,801,955 (30.8)		
	2016	5,986,274	910,796 (15.2)	3,211,163 (53.6)	1,864,315 (31.1)		

Note: Percentages are based on total visits, N

Overall, the number of psychiatric-related ED visits by age increased for all Post-ACA years, 2011 to 2016, compared to Pre-ACA 2009 for adults 18 to 25, 26 to 49 and 50 to 64, regardless of positive or negative changes in the percentage points from Pre-ACA to Post-ACA.

Table 9: Summary of Change From Pre-ACA in Number (%) of Psychiatric-Related ED Visits by Age

		Change from Pre-ACA in Number and Percentage of Psychiatric-Related ED visits				
Year		$18 \le age \le 25$	$26 \le age \le 49$	$50 \le age \le 64$		
Pre-ACA	2009	N/A	N/A	N/A		
	2011	73,226 (-0.2)	196,804 (-1.3)	194,716 (1.5)		
	2012	149,195 (-0.6)	476,406 (-1.7)	389,230 (2.2)		
Post-ACA	2013	124,351 (-1.0)	457,260 (-2.0)	427,154 (3.0)		
	2014	195,910 (-1.4)	744,715 (-2.3)	638,709 (3.7)		
	2015	170,647 (-1.9)	772,030 (-2.0)	661,899 (4.0)		
	2016	160,941 (-2.4)	847,964 (-1.9)	724,259 (4.3)		

Note: Percentages are based on changes from Pre-ACA to Post-ACA.

Figure 3 shows the graphical presentation of the proportion of psychiatric-related ED visits by age category.

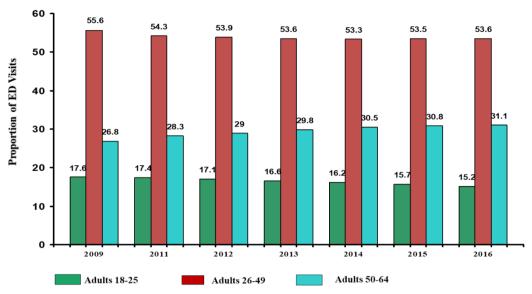


Figure 3: Proportion of Psychiatric-Related ED Visits by Age

Tables 10 and 11 show the summary of psychiatric-related ED visits and the change from Pre-ACA to Post-ACA in the number and percentage of psychiatric-related ED visits by sex. For the psychiatric-related ED visits by sex, females had more psychiatric-related ED visits than males for Pre-ACA 2009 and Post-ACA 2011 to 2016 years. The proportion of psychiatric-related ED visits for males increased from 48.2% in Pre-ACA 2009 to Post-ACA 2013 to 2016 range of 48.2% to 49.2%, decreased to 48.1% in Post-ACA 2011 and remained the same in Post-ACA 2012. For females, the psychiatric-related ED visits for Pre-ACA 2009 was 51.8% and increased to 51.9% in Post-ACA 2011, remained the same at 51.8% in Post-ACA 2012, and decreased ranging from 51.5% to 50.8% in Post-ACA 2013 to 2016.

Table 10: Summary of Psychiatric-Related ED Visits by Sex

	Psychiatric-Related ED Visits				
	N	Male	Female		
2009	4,253,110	2,048,915 (48.2)	2,201,833 (51.8)		
2011	4,717,856	2,267,410 (48.1)	2,449,362 (51.9)		
2012	5,267,941	2,536,702 (48.2)	2,731,029 (51.8)		
2013	5,261,875	2,553,582 (48.5)	2,708,100 (51.5)		
2014	5,832,444	2,858,608 (49.0)	2,973,647 (51.0)		
2015	5,857,686	2,884,558 (49.2)	2,972,285 (50.8)		
2016	5,986,274	2,939,018 (49.1)	3,046,072 (50.9)		
	2011 2012 2013 2014 2015	2011 4,717,856 2012 5,267,941 2013 5,261,875 2014 5,832,444 2015 5,857,686	N Male 2009 4,253,110 2,048,915 (48.2) 2011 4,717,856 2,267,410 (48.1) 2012 5,267,941 2,536,702 (48.2) 2013 5,261,875 2,553,582 (48.5) 2014 5,832,444 2,858,608 (49.0) 2015 5,857,686 2,884,558 (49.2)		

Note: Percentages are based on total visits, N

Although the percentage decrease or increase is small from Post-ACA 2011 to 2016 compared to Pre-ACA 2009, the number of ED visits increased for both males and females in Post-ACA years compared to Pre-ACA.

Table 11: Summary of Change from Pre-ACA in Number (%) of Psychiatric-Related ED Visits by Sex

		Change from Pre-ACA in Number and Percentage of Psychiatric-Related ED visits				
Year		Male	Female			
Pre-ACA	2009	N/A	N/A			
	2011	218,495 (-0.1)	247,529 (0.1)			
	2012	487,787 (0.0)	529,196 (0.0)			
Post-ACA	2013	504,667 (0.3)	506,267 (-0.3)			
	2014	809,693 (0.8)	771,814 (-0.8)			
	2015	835,643 (1.0)	770,452 (-1.0)			
	2016	890,103 (0.9)	844,239 (-0.9)			

Note: Percentages are based on changes from Pre-ACA to Post-ACA.

Figure 4 shows the graphical presentation of the proportion of psychiatric-related ED visits by sex.

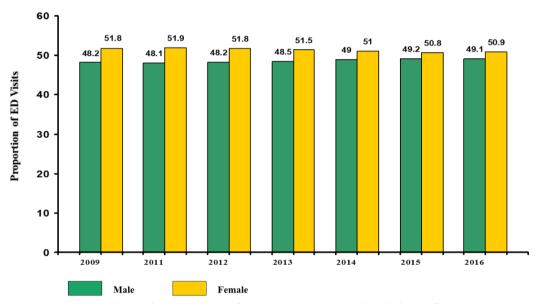


Figure 4: Proportion of Psychiatric-Related ED Visits by Sex

Tables 12 and 13 show the summary of psychiatric-related ED visits and the change from Pre-ACA to Post-ACA in the number and percentage of psychiatric-related ED visits by payer. The proportion of psychiatric-related ED visits for Medicare increased from 14.0% in Pre-ACA 2009 compared to Post-ACA 2011 to 2016 ranging from 14.8% to 15.3%. The proportion of psychiatric-related ED visits for Medicaid patients increased from 25.4% in Pre-ACA 2009 to Post-ACA years, 27.8% for both

2011 and 2012, 27.5% in 2013, 34.3% in 2014, 35.4% in 2015, and 36.1% in 2016. There was a decrease in the proportion of psychiatric-related ED visits for the private payers for Post-ACA 2016 in comparison with Pre-ACA 2009 (25.9% vs. 27.3%). The same trend was observed for the uninsured payers (22.8% vs. 32.9%).

Table 12: Summary of Psychiatric-Related ED Visits by Payer

		Psychiatric-Related ED Visits				
Year		N	Medicare	Medicaid	Private	Uninsured
Pre-ACA	2009	4,253,110	594,888 (14.0)	1,080,543 (25.4)	1,161,704 (27.3)	1,397,543 (32.9)
	2011	4,717,856	696,800 (14.8)	1,310,278 (27.8)	1,188,336 (25.2)	1,503,730 (31.9)
	2012	5,267,941	798,249 (15.2)	1,466,945 (27.8)	1,250,220 (23.7)	1,743,569 (33.1)
Post-ACA	2013	5,261,875	798,598 (15.2)	1,445,845 (27.5)	1,240,697 (23.6)	1,765,480 (33.6)
	2014	5,832,444	893,412 (15.3)	2,001,397 (34.3)	1,407,246 (24.1)	1,519,300 (26.0)
	2015	5,857,686	880,447 (15.0)	2,076,044 (35.4)	1,508,765 (25.8)	1,383,423 (23.6)
	2016	5,986,274	900,217 (15.0)	2,163,754 (36.1)	1,551,449 (25.9)	1,362,548 (22.8)

Note: Percentages are based on total visits, N

For Medicare and Medicaid, there was a significant increase in the number of psychiatric-related ED visits in Post-ACA 2016 compared to Pre-ACA and the other Post-ACA years. For the private payers, the number of psychiatric-related ED visits increased in Post-ACA 2011 to 2016 compared to Pre-ACA 2009. For the uninsured payers, the number of ED visits increased for Post-ACA 2011 to 2014 and decreased for Post-ACA 2015 and 2016 compared to Pre-ACA 2009.

Table 13: Summary of Change from Pre-ACA in Number (%) of Psychiatric-Related ED Visits by Payer

		Change from Pre-ACA in Number and Percentage of Psychiatric-Related ED visits				
Year		Medicare	Medicaid	Private	Uninsured	
Pre-ACA	2009	N/A	N/A	N/A	N/A	
	2011	101,912 (0.8)	229,735 (2.4)	26,632 (-2.1)	106,187 (-1.0)	
	2012	203,361 (1.2)	386,402 (2.4)	88,516 (-3.6)	346,026 (0.2)	
Post-ACA	2013	203,710 (1.2)	365,302 (2.1)	78,993 (-3.7)	367,937 (0.7)	
	2014	298,524 (1.3)	920,854 (8.9)	245,542 (-3.2)	121,757 (-6.9)	
	2015	285,559 (1.0)	995,501 (10.0)	347,061 (-1.6)	-14,120 (-9.2)	
	2016	305,329 (1.0)	1,083,211 (10.7)	389,745 (-1.4)	-34,995 (-10.1)	

Note: Percentages are based on change from Pre-ACA to Post-ACA.

Figures 5 show the graphical presentation of psychiatric-related ED visits by payer.

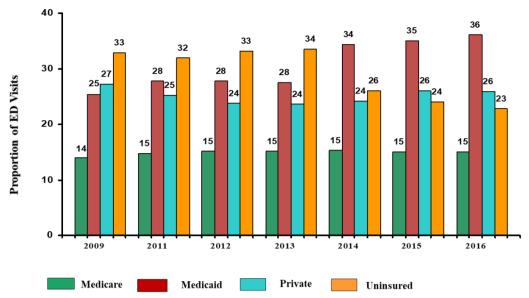


Figure 5: Proportion of Psychiatric-Related ED Visits by Payer

Tables 14 and 15 show the summary of psychiatric-related ED visits and the change from Pre-ACA to Post-ACA in the number and percentage of psychiatric-related ED visits by hospital region. The proportion of psychiatric-related ED visits for urban hospitals increased from 95.0% in Pre-ACA 2009 to Post-ACA 2011 to 2015, ranging from 95.2% to 96.3%, and decreased to 94% in Post-ACA 2016. For rural hospitals, the proportion of psychiatric-related ED visits decreased from 5.0% in Pre-ACA 2009 to a range from 3.7% to 4.8% in Post-ACA 2011 to 2015 and increased to 6.0% in Post-ACA 2016.

Table 14: Summary of Psychiatric-Related ED Visits by Hospital Region

		Psychiatric-Related ED Visits		
Year		N	Urban	Rural
Pre-ACA	2009	4,253,110	4,041,282 (95.0)	211,828 (5.0)
	2011	4,717,856	4,503,377 (95.4)	214,479 (4.6)
	2012	5,267,941	5,043,931 (95.7)	224,010 (4.3)
Post-ACA	2013	5,261,875	5,010,535 (95.2)	251,340 (4.8)
	2014	5,832,444	5,562,407 (95.4)	270,037 (4.6)
	2015	5,857,686	5,639,622 (96.3)	218,064 (3.7)
	2016	5,986,274	5,626,675 (94.0)	359,599 (6.0)

Note: Percentages are based on total visits, N

Although the percentage decrease or increase in psychiatric-related ED visits for urban and rural hospitals for each of Post-ACA years 2011 to 2016 compared to the

Pre-ACA 2009 is small, the number of ED visits increased in Post-ACA years compared to Pre-ACA for both urban and rural hospitals.

Table 15: Summary of Change from Pre-ACA in Number (%) of Psychiatric-Related ED Visits by Hospital Region

		Change from Pre-ACA in Number and Per	rcentage of Psychiatric-Related ED visits
Year		Urban	Rural
Pre-ACA	2009	N/A	N/A
	2011	462,095 (0.4)	2,651 (-0.4)
	2012	1,002,649 (0.7)	12,182 (-0.7)
Post-ACA	2013	969,253 (0.2)	39,512 (-0.2)
	2014	1,521,125 (0.4)	58,209 (-0.4))
	2015	1,598,340 (1.3)	6,236 (-1.3)
	2016	1,585,393 (-1.0)	147,771 (1.0)

Note: Percentages are based on change from Pre-ACA to Post-ACA.

Figure 6 shows the graphical presentation of psychiatric-related ED visits by hospital region.

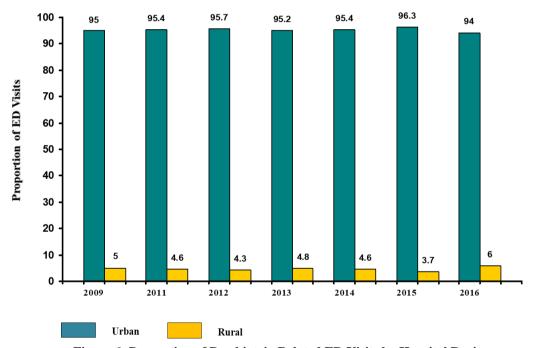


Figure 6: Proportion of Psychiatric-Related ED Visits by Hospital Region

4.3 Psychiatric-Related ED Visits Disposition

The ED visits disposition or types are categorized into three categories, treated and released (Treat-and-Release), admitted or transferred to hospital (Admitted/ Transferred), and other reasons (Other) within NEDS database. Table 16 shows the summary of psychiatric-related ED visits disposition.

In Pre-ACA 2009 data, the psychiatric-related ED visits disposition was 73.4% with Treat-and-Release, 26.3% of visits with Admitted/Transferred to Hospitals, and 0.3% with Other reasons. In the Post-ACA 2011 to 2016 except 2015, psychiatric-related ED visits disposition of Treat-and-Release increased over time, from 75.5% to 78.9% compared to Pre-ACA 2009 of 73.4%. The ED visits disposition of Admitted/Transferred to Hospitals decreased from 24.0% in Post-ACA 2011 to 20.9% in 2016 compared to 26.3% in Pre-ACA 2009. In Post-ACA 2015, ED visits disposition was 72.5% with Treat-and-Release, lower than all the other Post-ACA years; 20.5% for the Admitted/Transferred to Hospitals, lower than the other Post-ACA years; and 6.9% for other reasons, much higher than other years Pre-ACA and Post-ACA (Table 16).

Table 16: Summary of Psychiatric-Related ED Visits Disposition

			Psychiatric-Related ED Visit Disposition, n(%)		
Year		N	Treated and Released	Admitted/Transferred	Other
Pre-ACA	2009	4,253,110	3,120,641 (73.4)	1,120,591 (26.3)	11,878 (0.3)
•	2011	4,717,856	3,570,582 (75.7)	1,134,480 (24.0)	12,794 (0.3)
	2012	5,267,941	4,040,346 (76.7)	1,217,517 (23.1)	10,078 (0.2)
Post-ACA	2013	5,261,875	4,077,050 (77.5)	1,173,982 (22.3)	10,843 (0.2)
	2014	5,832,444	4,529,512 (77.7)	1,290,870 (22.1)	12,062 (0.2)
	2015	5,857,686	4,248,209 (72.5)	1,203,119 (20.5)	406,358 (6.9)
	2016	5,986,274	4,725,090 (78.9)	1,248,895 (20.9)	12,289 (0.2)

Note: Percentages are based on total visits, N.

Figure 7 shows the graphical presentation of psychiatric-related ED visits disposition.

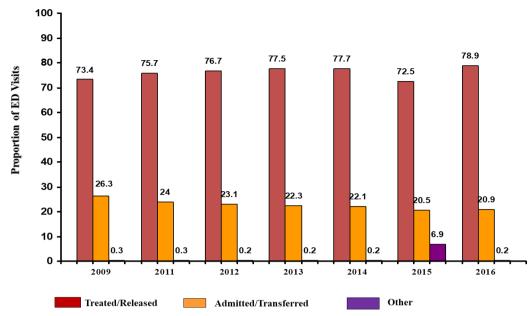


Figure 7: Proportion of Psychiatric-Related ED Visit Disposition

Table 17 shows the summary of psychiatric-related ED visits disposition of Treat-and-Release by age category. Among the psychiatric-related ED visits with a disposition of Treat-and-Release, the proportion of Treat-and-Release visits was the highest for adults aged 26 to 49, followed by adults aged 50 to 64. For adults aged 18 to 25, the proportion of Treat-and-Release ED visits was 20.8% for Pre-ACA 2009 and decreased over time from 20.2% to 17.1% for Post-ACA 2011 to 2016. For adults aged 26 to 49, the proportion of Treat-and-Release ED visits was 58.3% for Pre-ACA 2009 and decreased ranging from 57.1% to 56.6% for Post-ACA 2011 to 2016. For adults aged 50 to 64, the proportion of Treat-and-Release ED visits was 20.9% for Pre-ACA 2009 and increased over time between 22.7% to 26.4% for Post-ACA 2011 to 2016. Although the proportion of ED visits decreased from Pre-ACA to Post-ACA years for both adults aged 18-25 and 26-49, the number of ED visits continued to increase from Pre-ACA to Post-ACA years.

Table 17: Summary of ED Visits Disposition of Treat-and-Release by Age

			Psychiatric-Related ED Visits		
Year		N	$18 \le age \le 25$	$26 \le age \le 49$	$50 \le age \le 64$
Pre-ACA	2009	3,120,641	647,925 (20.8)	1,819,787 (58.3)	652,929 (20.9)
	2011	3,570,582	720,246 (20.2)	2,038,355 (57.1)	811,981 (22.7)
	2012	4,040,346	790,934 (19.6)	2,289,659 (56.7)	959,753 (23.8)
Post-ACA	2013	4,077,050	770,081 (18.9)	2,300,526 (56.4)	1,006,443 (24.7)
	2014	4,529,512	832,045 (18.4)	2,546,771 (56.2)	1,150,696 (25.4)
	2015	4,248,209	756,474 (17.8)	2,384,777 (56.1)	1,106,958 (26.1)
	2016	4,725,090	805,708 (17.1)	2,673,535 (56.6)	1,245,847 (26.4)

Note: Percentages are based on total visits, N

Figure 8 shows the graphical presentation of ED visits disposition of Treat-and-Release by age.

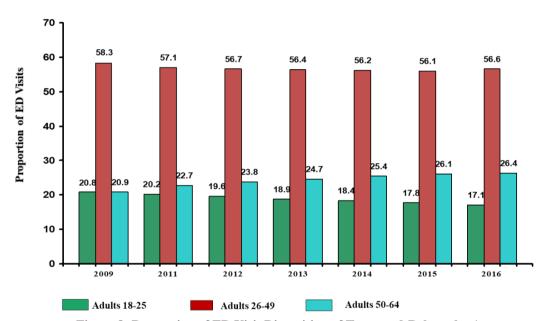


Figure 8: Proportion of ED Visit Disposition of Treat-and-Release by Age

Table 18 shows the summary of psychiatric-related ED visits disposition of Treat-and-Release by sex. The proportion of psychiatric-related ED visits with Treat-and-Release disposition was higher for females than males for Pre-ACA 2009 and Post-ACA 2011 to 2016. The proportion of Treat-and-Release visits for males increased from Pre-ACA 2009 at 46.6% to Post-ACA 2011 to 2016 ranging from 46.7% to 48.2%. For females, the proportion of Treat-and-Release visits decreased from Pre-ACA 2009 at 53.4% to Post-ACA 2011 to 2016 ranging from 51.7% to 53.3%. The number of

psychiatric-related ED visits with Treat-and-Release disposition increased for all Post-ACA years 2011 to 2016 compared to Pre- ACA 2009.

Table 18: Summary of ED Visits Disposition of Treat-and-Release by Sex

			Psychiatric-Related ED Visits		
Year		N	Male	Female	
Pre-ACA	2009	3,120,641	1,453,275 (46.6)	1,665,061 (53.4)	
	2011	3,570,582	1,666,246 (46.7)	1,903,275 (53.3)	
	2012	4,040,346	1,891,558 (46.8)	2,148,601 (53.2)	
Post-ACA	2013	4,077,050	1,927,126 (47.3)	2,149,765 (52.7)	
	2014	4,529,512	2,163,413 (47.8)	2,365,947 (52.2)	
	2015	4,248,209	2,049,294 (48.2)	2,198,276 (51.7)	
	2016	4,725,090	2,265,127 (47.9)	2,459,367 (52.0)	

Note Percentages are based on total visits, N

Figure 9 shows the graphical presentation of ED visits disposition of Treat-and-Release by sex.

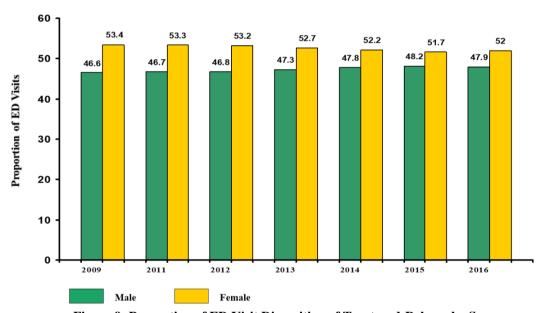


Figure 9: Proportion of ED Visit Disposition of Treat-and-Release by Sex

Table 19 shows the summary of psychiatric-related ED visits disposition of Treat-and-Release by payer. The proportion of Treat-and-Release visits for Medicare increased from 11.3% in Pre-ACA 2009 to Post-ACA years, 2011 to 2016 ranging from 12.1% to 12.8%. The same trend was observed for Medicaid, with 25.1% for Pre-ACA 2009 to Post-ACA years ranging from 27.5% to 37.7%. For Post-ACA 2014 to 2016, Medicaid had a higher increase compared to Post-ACA 2011 to 2013. For private

payers, the proportion of Treat-and-Release visits was at 26.5% for Pre-ACA 2009 and decreased in Post-ACA 2011 to 2016 years, to 24.4% in 2011, 23.2% in 2012, 23.0% in 2013, 23.9% in 2014, 25.1% in 2015 and 25.7% in 2016. For the uninsured visits, the proportion of Treat-and-Release visits was at 36.7% for Pre-ACA 2009 and decreased during Post-ACA years to 24.9% in 2016.

Table 19: Summary of ED Visits Disposition of Treat-and-Release by Payer

			Psychiatric-Related ED Visits			
Year		N	Medicare	Medicaid	Private	Uninsured
Pre-ACA	2009	3,120,641	351,324 (11.3)	783,742 (25.1)	825,506 (26.5)	1,144,261 (36.7)
	2011	3,570,582	432,162 (12.1)	995,946 (27.9)	871,169 (24.4)	1,254,633 (35.1)
	2012	4,040,346	512,171 (12.7)	1,126,702 (27.9)	936,465 (23.2)	1,458,301 (36.1)
Post-ACA	2013	4,077,050	518,063 (12.7)	1,122,671 (27.5)	937,727 (23.0)	1,490,029 (36.5)
	2014	4,529,512	579,706 (12.8)	1,550,734 (34.2)	1,083,661 (23.9)	1,306,336 (28.8)
	2015	4,248,209	544,704 (12.8)	1,601,960 (37.7)	1,066,226 (25.1)	1,030,704 (24.3)
	2016	4,725,090	598,452 (12.7)	1,732,707 (36.7)	1,212,889 (25.7)	1,174,400 (24.9)

Note: Percentages are based on total visits, N

Figure 10 shows the graphical presentation of ED visits disposition of Treatand-Release by payer.

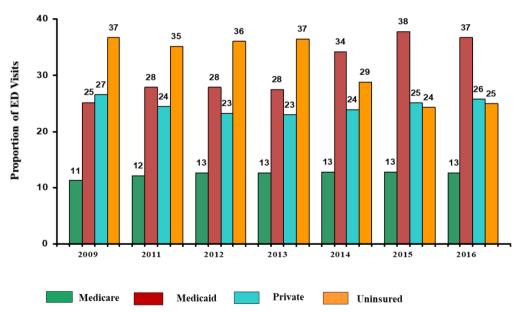


Figure 10: Proportion of ED Visit Disposition of Treat-and-Release by Payer

Table 20 shows the summary of psychiatric-related ED visits disposition of Treat-and-Release by hospital region. The proportion of psychiatric-related ED visits with Treat-and-Release disposition was higher for the urban hospitals than rural

hospitals for Pre-ACA 2009 and Post-ACA 2011 to 2016. The proportion of Treat-and-Release visits for urban hospitals was 94.6% for Pre-ACA 2009 and slightly increased in Post-ACA 2011 to 2015, 95.1% in 2011, 95.4% in 2012, 94.8% in 2013, 95.0% in 2014 and 95.9% in 2015 and decreased to 93.6% in 2016 compared to Pre-ACA. For rural hospitals, the proportion of Treat-and-Release visits for Pre-ACA 2009 was 5.4%, slightly decreased from Post-ACA 2011 to 2015 to 4.9%, 4.6%, 5.2%, 5.0%, and 4.1%, respectively and increased to 6.4% in Post-ACA 2016.

Table 20: Summary of ED Visits Disposition of Treat-and-Release by Hospital Region

			Psychiatric-Related ED Visits		
Year		N	Urban	Rural	
Pre-ACA	2009	3,120,641	2,952,057 (94.6)	168,584 (5.4)	
	2011	3,570,582	3,396,252 (95.1)	174,330 (4.9)	
	2012	4,040,346	3,852,943 (95.4)	187,403 (4.6)	
Post-ACA	2013	4,077,050	3,864,871 (94.8)	212,179 (5.2)	
	2014	4,529,512	4,303,446 (95.0)	226,066 (5.0)	
	2015	4,248,209	4,075,031 (95.9)	173,178 (4.1)	
	2016	4,725,090	4,420,683 (93.6)	304,407 (6.4)	

Note: Percentages are based on total visits, N

Figure 11 shows the graphical presentation of ED visits disposition of Treatand-Release by hospital region.

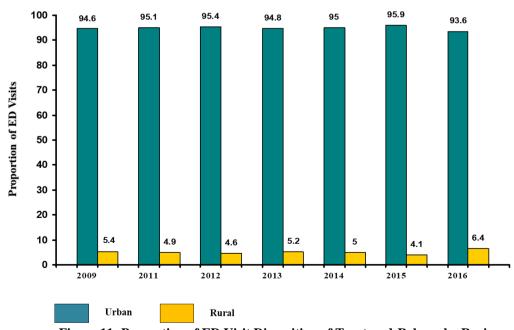


Figure 11: Proportion of ED Visit Disposition of Treat-and-Release by Region

4.4 Specific Aim 1

The objective of Aim 1 was to evaluate an association between the ACA and ED admission by psychiatric patients. The outcome measure or endpoint was the proportion of ED visits for patients with psychiatric disorders, namely psychiatric-related ED visits. The primary comparison of interest was the proportion of psychiatric-related ED visits for each of Post-ACA years, 2011 to 2016, with Pre-ACA 2009. The analysis methodology was using logistic regression adjusting for covariates. The covariates were age category in years, $18 \le age \le 25$, $26 \le age \le 49$ and $50 \le age \le 64$, sex/gender (male, female), payer (Medicare, Medicaid, private, uninsured), and hospital region (urban, rural).

The adjusted and unadjusted analyses were performed on the proportion of psychiatric-related ED visits for Pre-ACA and Post-ACA years comparisons, and ORs along with 95% CIs were reported. Table 21 shows the summary of psychiatric-related ED visits and the change from Pre-ACA to Post-ACA in the number and percentage of psychiatric-related ED visits. The proportion of psychiatric-related ED visits increased from 24.1% visits in Pre-ACA 2009 to Post-ACA years, 2011 to 2013, ranging from 26.4% to 28.6%, and to 29.9% in 2014, 31.3% in 2015 and 29.8% in 2016. The change from Pre-ACA to Post-ACA in percentage of psychiatric-related ED visits increased from 2.3% in Post-ACA 2011 to 5.7% in Post-ACA 2016. In Post-ACA 2015, there was an increase of 7.2% in percentage of psychiatric-related ED visits from Pre-ACA, higher than Post-ACA 2014 and 2016, 5.8% and 5.7%, respectively. The change in the number of psychiatric-related ED from Pre-ACA to Post-ACA 2014 increased by more than 1.5 million in 2014 and by more than 1.6 and 1.7 million increased visits in Post-ACA 2015 and 2016, respectively. In Post-ACA 2015, the number of ED visits for

adults 18-64 was 18.7 million visits, lower than 2014 (19.5 million) and 2016 (20.1 million). The psychiatric-related ED visits was higher in Post-ACA 2015 (5.9 million) than Post-ACA 2014 (5.8 million) and lower than Post-ACA 2016 (6.0 million). Although the changes from Pre-ACA to Post-ACA years in percentage of the proportion of psychiatric-related ED visits were small, ranging from 2.3% to 7.2%, the change in number of psychiatric-related ED visits were more than 460,000 visits for 2011, and more than 1.0 to 1.7 million visits for Post-ACA 2012 to 2016 compared to Pre-ACA.

Table 21: Summary of Psychiatric-Related ED Visits

			or ray contact to rectace r	LE VISITES
Year		ED Visits for Adults 18-64	Psychiatric-Related ED Visits	Change from Pre-ACA in Psychiatric-Related ED visits
		N	n (%)	n(%)
Pre-ACA	2009	17,645,539	4,253,110 (24.1)	N/A
	2011	17,845,772	4,717,856 (26.4)	464,746 (2.3)
	2012	19,325,068	5,267,941 (27.3)	1,014,831 (3.2)
Post-ACA	2013	18,412,805	5,261,875 (28.6)	1,008,765 (4.5)
	2014	19,498,007	5,832,444 (29.9)	1,579,334 (5.8)
	2015	18,738,803	5,857,686 (31.3)	1,604,576 (7.2)
	2016	20,073,238	5,986,274 (29.8)	1,733,164 (5.7)

Note: Percentages are based on total visits, N

A graphical presentation of the propotion of psychiatric-related ED visits is in Figure 12.

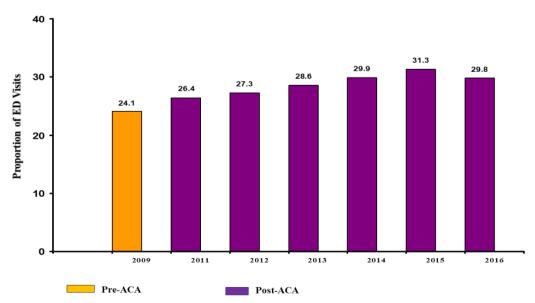


Figure 12: Proportion of Psychiatric-Related ED Visits for Adults 18-64

The proportion of psychiatric-related ED visits were analyzed for each of Post-ACA years 2011 to 2016 versus Pre-ACA 2009 for both adjusted and unadjusted analyses. The adjusted analysis was adjusted for covariates, age, sex, payer, and hospital region. All adjusted and unadjusted statistical analyses for the proportion of psychiatric-related ED visits were statistically significant for all Post-ACA years versus Pre-ACA. A graphical presentation of adjusted ORs is in Figure 13.

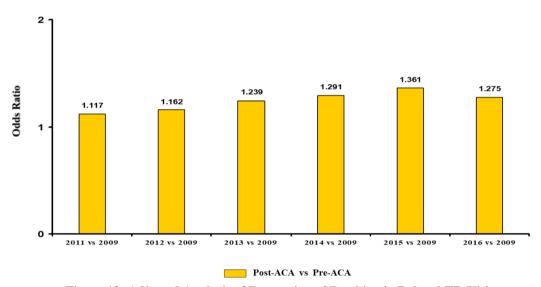


Figure 13: Adjusted Analysis of Proportion of Psychiatric-Related ED Visits

Table 22 shows the analysis of Post-ACA 2011 versus Pre-ACA 2009. The proportion of psychiatric-related ED visits for Post-ACA 2011 was 26.4% compared to 24.1% for Pre-ACA 2009. The adjusted and unadjusted analyses of the proportion of psychiatric-related ED visits for post-ACA 2011 versus Pre-ACA 2009 using logistic regression were statistically significant (P<0.0001). The ORs (95% CI) of the proportion of psychiatric-related ED visits were 1.117 (1.116, 1.119) for the adjusted analysis and 1.132 (1.130, 1.133) for the unadjusted analysis. All covariates, age, sex, payer, and hospital region were statistically significant (P<0.0001). For both the adjusted analyses of the proportion of psychiatric-related ED visits, the odds ratios were great than 1 with an increase of 12% for the adjusted analysis and an

increase of 13% for the unadjusted analysis. Since the number of ED visits was very large, the confidence interval was very small, with a difference of 0.003 points from the upper limit to the lower limit for both analyses.

Table 22: Analysis of Proportion of Psychiatric-Related Emergency Department Visits 2011 vs 2009

	Post-ACA (2011) N = 17,845,772	Pre-ACA (2009) N = 17,645,539
Psychiatric-Related ED Visits	n (%)	n (%)
Psychiatric-Related ED Visits		
Yes	4,717,856 (26.4)	4,253,110 (24.1)
No	13,127,916 (73.6)	13,392,429 (75.9)
Model ¹	Odds Ratio (95% CI)	P-Value ²
Model 1 (unadjusted): ACA	1.132 (1.130, 1.133)	< 0.0001
Model 2 (adjusted)		
ACA	1.117 (1.116, 1.119)	< 0.0001
Age	0.853 (0.852, 0.854)	< 0.0001
Sex	1.365 (1.363, 1.368)	< 0.0001
Payer	1.171 (1.170, 1.172)	< 0.0001
Region	1.509 (1.503, 1.514)	< 0.0001

¹ Model 1: Psychiatric-Related ED Visits = ACA; Model 2: Psychiatric-Related ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

Table 23 shows the analysis of Post-ACA 2012 versus Pre-ACA 2009. The proportion of psychiatric-related ED visits for Post-ACA 2012 was 27.3% compared to 24.1% for Pre-ACA 2009. The adjusted and unadjusted analyses of the proportion of psychiatric-related ED visits for Post-ACA 2012 versus Pre-ACA 2009 using logistic regression were statistically significant (P<0.0001). The ORs (95% CI) of the proportion of psychiatric-related ED visits were 1.162 (1.160, 1.164) for the adjusted analysis and 1.180 (1.178, 1.182) for the unadjusted analysis. All covariates, age, sex, payer, and hospital region were statistically significant (P<0.0001). For both adjusted and unadjusted analyses, the odds ratios were greater than 1, with an increase of 16% for the adjusted analysis and an increase of 18% for the unadjusted analysis. Since the number of ED visits was very large, the confidence interval was very small, with a difference of 0.004 points from the upper limit to the lower limit for both analyses.

Table 23: Analysis of Proportion of Psychiatric-Related Emergency Department Visits 2012 vs 2009

	Post-ACA (2012) N = 19,325,068	Pre-ACA (2009) N = 17,645,539
Psychiatric-Related ED Visits	n (%)	n (%)
Psychiatric-Related ED Visits		
Yes	5,267,941 (27.3)	4,253,110 (24.1)
No	14,057,127 (72.7)	13,392,429 (75.9)
Model ¹	Odds Ratio (95% CI)	P-Value ²
Model 1 (unadjusted): ACA	1.180 (1.178, 1.182)	< 0.0001
Model 2 (adjusted)		
ACA	1.162 (1.160, 1.164)	< 0.0001
Age	0.849 (0.848, 0.850)	< 0.0001
Sex	1.377 (1.375, 1.379)	< 0.0001
Payer	1.167 (1.166, 1.168)	< 0.0001
Region	1.451 (1.446, 1.456)	< 0.0001

¹ Model 1: Psychiatric-Related ED Visits = ACA; Model 2: Psychiatric-Related ED Visits = ACA Age Sex Payer Region

Table 24 shows the analysis of Post-ACA 2013 versus Pre-ACA 2009. The proportion of psychiatric-related ED visits for Post-ACA 2013 versus Pre-ACA 2009 (28.6% vs. 24.1%) using logistic regression were statistically significant for both adjusted and unadjusted analyses (P <0.0001). The ORs (95% CI) of the proportion of psychiatric-related ED visits were 1.239 (1.237, 1.241) for the adjusted analysis and 1.260 (1.258, 1.262) for the unadjusted analysis. All covariates, age, sex, payer, and hospital region were statistically significant (P <0.0001). For both the adjusted and unadjusted analyses, the odds ratios were greater than 1, with an increase of 24% for adjusted analysis and an increase of 26% for the unadjusted analysis. Since the number of ED visits was very large, the confidence interval was very small, with a difference of 0.004 points from the upper limit to the lower limit for both analyses.

Table 24: Analysis of Proportion of Psychiatric-Related Emergency Department Visits 2013 vs 2009

	Post-ACA (2013) N = 18,412,805	Pre-ACA (2009) N = 17,645,539
Psychiatric-Related ED Visits	n (%)	n (%)
Psychiatric-Related ED Visits		
Yes	5,261,875 (28.6)	4,253,110 (24.1)
No	13,150,930 (71.4)	13,392,429 (75.9)
Model ¹	Odds Ratio (95% CI)	P-Value ²
Model 1 (unadjusted): ACA	1.260 (1.258, 1.262)	< 0.0001
Model 2 (adjusted)		
ACA	1.239 (1.237, 1.241)	< 0.0001
Age	0.845 (0.844, 0.846)	< 0.0001
Sex	1.386 (1.384, 1.388)	< 0.0001
Payer	1.152 (1.151, 1.153)	< 0.0001
Region	1.390 (1.386, 1.395)	< 0.0001

¹ Model 1: Psychiatric-Related ED Visits = ACA; Model 2: Psychiatric-Related ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

² P-value using χ2 test

Table 25 shows the analysis of Post-ACA 2014 versus Pre-ACA 2009. The proportion of psychiatric-related ED visits for Post-ACA 2014 was 29.9% compared to 24.1% for Pre-ACA 2009. The adjusted and unadjusted analyses of the proportion of psychiatric-related ED visits for the Post-ACA 2014 versus the Pre-ACA 2009 using logistic regression were statistically significant (P <0.0001). The ORs (95% CI) of the proportion of psychiatric-related ED visits were 1.291 (1.289, 1.293) for the adjusted analysis and 1.344 (1.342, 1.346) for the unadjusted analysis. All covariates, age, sex, payer, and hospital region were statistically significant (P <0.0001). For both the adjusted and unadjusted analyses, the odds ratios were greater than 1, with an increase of 29% for adjusted analysis and an increase of 34% for the unadjusted analysis. Since the number of ED visits was very large, the confidence interval was very small, with a difference of 0.004 points from the upper limit to the lower limit for both analyses.

Table 25: Analysis of Proportion of Psychiatric-Related Emergency Department Visits 2014 vs 2009

2011 15 2007					
	Post-ACA (2014) N = 19,498,007	Pre-ACA (2009) N = 17,645,539 n (%)			
Psychiatric-Related ED Visits	n (%)				
Psychiatric-Related ED Visits					
Yes	5,832,444 (29.9)	4,253,110 (24.1)			
No	13,665,563 (70.1)	13,392,429 (75.9)			
Model ¹	Odds Ratio (95% CI)	P-Value ²			
Model 1 (unadjusted): ACA	1.344 (1.342, 1.346)	< 0.0001			
Model 2 (adjusted)					
ACA	1.291 (1.289, 1.293)	< 0.0001			
Age	0.849 (0.849, 0.850)	< 0.0001			
Sex	1.416 (1.413, 1.418)	< 0.0001			
Payer	1.183 (1.182, 1.184)	< 0.0001			
Region	1.351 (1.347, 1.356)	< 0.0001			

¹ Model 1: Psychiatric-Related ED Visits = ACA; Model 2: Psychiatric-Related ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

Table 26 shows the analysis of Post-ACA 2015 versus Pre-ACA 2009. The proportion of psychiatric-related ED visits for Post-ACA 2015 was 31.3% compared to 24.1% for Pre-ACA. The adjusted and unadjusted analyses of the proportion of psychiatric-related ED visits for Post-ACA 2015 versus Pre-ACA 2009 using logistic regression were statistically significant (P <0.0001). The ORs (95% CI) of the proportion of psychiatric-related ED visits were 1.361 (1.359, 1.363) for the adjusted

analysis and 1.432 (1.430, 1.434) for the unadjusted analysis. All covariates, age, sex, payer, and hospital region were statistically significant (P <0.0001). For both the adjusted and unadjusted analyses, the odds ratios were greater than 1, with an increase of 36% for the adjusted analysis and an increase of 43% for the unadjusted analysis. Since the number of ED visits was very large, the confidence interval was very small, with a difference of 0.004 points from the upper limit to the lower limit for both analyses.

Table 26: Analysis of Proportion of Psychiatric-Related Emergency Department Visits 2015 vs 2009

2015 13 2007				
	Post-ACA (2015) N = 18,738,803	Pre-ACA (2009) N = 17,645,539 n (%)		
Psychiatric-Related ED Visits	n (%)			
Psychiatric-Related ED Visits				
Yes	5,857,686 (31.3)	4,253,110 (24.1)		
No	12,881,117 (68.7)	13,392,429 (75.9)		
Model ¹	Odds Ratio (95% CI)	P-Value ²		
Model 1 (unadjusted): ACA	1.432 (1.430, 1.434)	< 0.0001		
Model 2 (adjusted)				
ACA	1.361 (1.359, 1.363)	< 0.0001		
Age	0.854 (0.853, 0.855)	< 0.0001		
Sex	1.419 (1.417, 1.421)	< 0.0001		
Payer	1.191 (1.190, 1.192)	< 0.0001		
Region	1.417 (1.412, 1.422)	< 0.0001		

¹ Model 1: Psychiatric-Related ED Visits = ACA; Model 2: Psychiatric-Related ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

Table 27 shows the analysis of Post-ACA 2016 versus Pre-ACA 2009. The proportion of psychiatric-related ED visits for Post-ACA was 29.8% compared to 24.1% for Pre-ACA 2009. The adjusted and unadjusted analyses of the proportion of psychiatric-related ED visits for Post-ACA 2016 versus Pre-ACA 2009 using logistic regression were statistically significant (P <0.0001). The ORs (95% CI) were 1.275 (1.273, 1.276) for the adjusted analysis and 1.338 (1.336, 1.340) for the unadjusted analysis. All covariates, age, sex, payer, and hospital region were statistically significant (P <0.0001). For both the adjusted and unadjusted analyses, the odds ratios were greater than 1, with an increase of 28% for the adjusted analysis and an increase of 34% for the unadjusted analysis. Since the number of ED visits was very large, the

confidence interval was very small, with a difference of 0.004 points from the upper limit to the lower limit for both analyses.

Table 27: Analysis of Proportion of Psychiatric-Related Emergency Department Visits 2016 vs 2009

Part A CA (2010) Part A CA (2000)					
	Post-ACA (2016)	Pre-ACA (2009)			
	N = 20,073,238	N = 17,645,539			
Psychiatric-Related ED Visits	n (%)	n (%)			
Psychiatric-Related ED Visits					
Yes	5,986,274 (29.8)	4,253,110 (24.1)			
No	14,086,964 (70.2)	13,392,429 (75.9)			
Model ¹	Odds Ratio (95% CI)	P-Value ²			
Model 1 (unadjusted): ACA	1.338 (1.336, 1.340)	< 0.0001			
Model 2 (adjusted)					
ACA	1.275 (1.273, 1.276)	< 0.0001			
Age	0.852 (0.851, 0.853)	< 0.0001			
Sex	1.421 (1.419, 1.424)	< 0.0001			
Payer	1.201 (1.200, 1.202)	< 0.0001			
Region	1.231 (1.227, 1.235)	< 0.0001			

¹ Model 1: Psychiatric-Related ED Visits = ACA; Model 2: Psychiatric-Related ED Visits = ACA Age Sex Payer Region

The odds of psychiatric-related ED visits increased for Post-ACA 2011 to 2016 between 12% to 36% compared to Pre-ACA 2009.

4.5 Specific Aim 2

The objective of Aim 2 was to assess the association between the ACA and the characteristics of psychiatric patients admitted to ED. These patient characteristics were age (age categories: 18-25, 26-49, and 50-64), sex/gender (male, female), payer (Medicare, Medicaid, private and uninsured), and hospital region (urban, rural). The endpoints were the proportion of psychiatric-related ED visits for each category of age, sex/gender, payer, and hospital region. The analysis methodology for the comparison of the Post-ACA to Pre-ACA in the proportion of psychiatric-related ED visits for each category of age, sex/gender, payer and hospital region was Chi-Square (χ 2) statistics.

Table 28 shows the analysis of psychiatric-related ED visits by age for each of Post-ACA years 2011 to 2016 and Pre-ACA 2009. For each age category of adults aged 18-25, 26-49, and 50-64, the proportion of adults who had psychiatric-related ED visits were statistically significant (P<0.0001) for each comparison of Post-ACA, 2011 to

² P-value using χ2 test

2016 versus Pre-ACA 2009. The number of psychiatric-related ED visits for adults 18-25, 26-49, and 50-64 were higher for each of Post-ACA years, 2011 to 2016 than Pre-ACA 2009.

Table 28: Analysis of Patient Characteristics for Psychiatric-Related ED Visits by Age

Tubi	<u> </u>	y DID OI I dell	cht Characteristics for	I by ciliative Itelatea I	de visits by rige	
		Psychiatric-Related ED Visits				
Post-ACA vs Pre-ACA		N	$18 \le age \le 25$	$26 \le age \le 49$	$50 \le age \le 64$	
2011	2011	4,717,856	823,081 (17.4)	2,560,003 (54.3)	1,334,772 (28.3)	
vs	2009	4,253,110	749,855 (17.6)	2,363,199 (55.6)	1,140,056 (26.8)	
2009	P-value ¹	N/A	< 0.0001	< 0.0001	< 0.0001	
2012	2012	5,267,941	899,050 (17.1)	2,839,605 (53.9)	1,529,286 (29.0)	
vs	2009	4,253,110	749,855 (17.6)	2,363,199 (55.6)	1,140,056 (26.8)	
2009	P-value ¹	N/A	< 0.0001	< 0.0001	< 0.0001	
2013	2013	5,261,875	874,206 (16.6)	2,820,459 (53.6)	1,567,210 (29.8)	
vs	2009	4,253,110	749,855 (17.6)	2,363,199 (55.6)	1,140,056 (26.8)	
2009	P-value ¹	N/A	< 0.0001	< 0.0001	< 0.0001	
2014	2014	5,832,444	945,765 (16.2)	3,107,914 (53.3)	1,778,765 (30.5)	
vs	2009	4,253,110	749,855 (17.6)	2,363,199 (55.6)	1,140,056 (26.8)	
2009	P-value ¹	N/A	< 0.0001	< 0.0001	< 0.0001	
2015	2015	5,857,686	920,502 (15.7)	3,135,229 (53.5)	1,801,955 (30.8)	
vs	2009	4,253,110	749,855 (17.6)	2,363,199 (55.6)	1,140,056 (26.8)	
2009	P-value ¹	N/A	< 0.0001	< 0.0001	< 0.0001	
2016	2016	5,986,274	910,796 (15.2)	3,211,163 (53.6)	1,864,315 (31.1)	
vs	2009	4,253,110	749,855 (17.6)	2,363,199 (55.6)	1,140,056 (26.8)	
2009	P-value ¹	N/A	< 0.0001	< 0.0001	< 0.0001	

¹P-value using Chi-Square test

Table 29 shows the analysis of the proportion of psychiatric-related ED visits by sex. The analysis of the proportion of psychiatric-related ED visits for each comparison of Post-ACA years, 2011 to 2016 except 2012 versus Pre-ACA 2009 were statistically significant for both males and females (P <0.0001). The comparisons of the Post-ACA 2012 versus the Pre-ACA 2009 for both males and females were not statistically significant (P>0.05). The number of psychiatric-related ED visits were higher for each of Post-ACA years, 2011 to 2016 than Pre-ACA 2009 for both males and females.

Table 29: Analysis of Patient Characteristics for Psychiatric-Related ED Visits by Sex

	10 29 1 1 1 1 m	Psychiatric-Related ED Visits					
Year		N	Male	Female			
2011	2011	4,717,856	2,267,410 (48.1)	2,449,362 (51.9)			
VS	2009	4,253,110	2,048,915 (48.2)	2,201,833 (51.8)			
2009	P-value ¹	N/A	< 0.0001	< 0.0001			
2012	2012	5,267,941	2,536,702 (48.2)	2,731,029 (51.8)			
VS	2009	4,253,110	2,048,915 (48.2)	2,201,833 (51.8)			
2009	P-value ¹	N/A	0.1599	0.1599			
2013	2013	5,261,875	2,553,582 (48.5)	2,708,100 (51.5)			
vs	2009	4,253,110	2,048,915 (48.2)	2,201,833 (51.8)			
2009	P-value ¹	N/A	< 0.0001	< 0.0001			
2014	2014	5,832,444	2,858,608 (49.0)	2,973,647 (51.0)			
vs	2009	4,253,110	2,048,915 (48.2)	2,201,833 (51.8)			
2009	P-value ¹	N/A	< 0.0001	< 0.0001			
2015	2015	5,857,686	2,884,558 (49.2)	2,972,285 (50.8)			
vs	2009	4,253,110	2,048,915 (48.2)	2,201,833 (51.8)			
2009	P-value ¹	N/A	< 0.0001	< 0.0001			
2016	2016	5,986,274	2,939,018 (49.1)	3,046,072 (50.9)			
VS	2009	4,253,110	2,048,915 (48.2)	2,201,833 (51.8)			
2009	P-value ¹	N/A	< 0.0001	< 0.0001			

¹P-value using Chi-Square test

Table 30 shows the analysis of the proportion of psychiatric-related ED visits for all payers, Medicare, Medicaid, private and uninsured. These analyses showed that there were statistically significant differences in each of Post-ACA years, 2011 to 2016 compared to Pre-ACA 2009 (P<0.0001). For the Medicare and Medicaid payers, the proportions of psychiatric-related ED visits were higher in Post-ACA 2011 to 2016 than Pre-ACA 2009. The proportions of psychiatric-related ED visits were lower in Post-ACA 2011 to 2016 than Pre-ACA 2009 for the private payer and for uninsured payers, it was higher in Post-ACA 2012 to 2013 and lower in Post-ACA 2011 and 2014 to 2016 than Pre-ACA. The number of psychiatric-related ED visits were higher in Post-ACA 2011 to 2016 than Pre-ACA for Medicare, Medicaid and Private payers. For the uninsured, the number of psychiatric-related ED visits were higher in Post-ACA 2011 to 2014 and lower in 2015 and 2016 than Pre-ACA 2009.

Table 30: Analysis of Patient Characteristics for Psychiatric-Related ED Visits by Payer

			I	Psychiatric-Related I	ED Visits	-
Year		N	Medicare	Medicaid	Private	Uninsured
2011	2011	4,717,856	696,800 (14.8)	1,310,278 (27.9)	1,188,336 (25.3)	1,503,730 (32.0)
vs	2009	4,253,110	594,888 (14.0)	1,080,543 (25.5)	1,161,704 (27.4)	1,397,543 (33.0)
2009	P-value ¹	N/A	< 0.0001	< 0.0001	< 0.0001	< 0.0001
2012	2012	5,267,941	798,249 (15.2)	1,466,945 (27.9)	1,250,220 (23.8)	1,743,569 (33.1)
vs	2009	4,253,110	594,888 (14.0)	1,080,543 (25.5)	1,161,704 (27.4)	1,397,543 (33.0)
2009	P-value ¹	N/A	< 0.0001	< 0.0001	< 0.0001	< 0.0001
2013	2013	5,261,875	798,598 (15.2)	1,445,845 (27.5)	1,240,697 (23.6)	1,765,480 (33.6)
vs	2009	4,253,110	594,888 (14.0)	1,080,543 (25.5)	1,161,704 (27.4)	1,397,543 (33.0)
2009	P-value ¹	N/A	< 0.0001	< 0.0001	< 0.0001	< 0.0001
2014	2014	5,832,444	893,412 (15.3)	2,001,397 (34.4)	1,407,246 (24.2)	1,519,300 (26.1)
vs	2009	4,253,110	594,888 (14.0)	1,080,543 (25.5)	1,161,704 (27.4)	1,397,543 (33.0)
2009	P-value ¹	N/A	< 0.0001	< 0.0001	< 0.0001	< 0.0001
2015	2015	5,857,686	880,447 (15.0)	2,076,044 (35.5)	1,508,765 (25.8)	1,383,423 (23.6)
vs	2009	4,253,110	594,888 (14.0)	1,080,543 (25.5)	1,161,704 (27.4)	1,397,543 (33.0)
2009	P-value ¹	N/A	< 0.0001	< 0.0001	< 0.0001	< 0.0001
2016	2016	5,986,274	900,217 (15.1)	2,163,754 (36.2)	1,551,449 (25.9)	1,362,548 (22.8)
vs	2009	4,253,110	594,888 (14.0)	1,080,543 (25.5)	1,161,704 (27.4)	1,397,543 (33.0)
2009	P-value ¹	N/A	< 0.0001	< 0.0001	< 0.0001	< 0.0001

¹P-value using Chi-Square test

Table 31 shows the analysis of the proportion of psychiatric-related ED visits by hospital region. For urban and rural hospitals, the analyses of the proportion of psychiatric-related ED visits for each of Post-ACA years, 2011 to 2016 compared to Pre-ACA 2009 were statistically significant (P<0.0001). For the urban hospitals, the proportion of psychiatric-related ED visits were higher in Post-ACA 2011 to 2015 and lower for 2016 than Pre-ACA 2009. The proportion of psychiatric-related ED visits were lower in Post-ACA 2011 to 2015 and higher for Post-ACA 2016 than Pre-ACA 2009 for the rural hospitals.

Table 31: Analysis of Patient Characteristics for Psychiatric-Related ED Visits by Region

			Psychiatric-Related F	ED Visits
Year		N	Urban	Rural
2011	2011	4,717,856	4,503,377 (95.4)	214,479 (4.6)
vs	2009	4,253,110	4,041,282 (95.0)	211,828 (5.0)
2009	P-value ¹	N/A	< 0.0001	< 0.0001
2012	2012	5,267,941	5,043,931 (95.7)	224,010 (4.3)
vs	2009	4,253,110	4,041,282 (95.0)	211,828 (5.0)
2009	P-value ¹	N/A	< 0.0001	< 0.0001
2013	2013	5,261,875	5,010,535 (95.2)	251,340 (4.8)
vs	2009	4,253,110	4,041,282 (95.0)	211,828 (5.0)
2009	P-value ¹	N/A	< 0.0001	< 0.0001
2014	2014	5,832,444	5,562,407 (95.4)	270,037 (4.6)
vs	2009	4,253,110	4,041,282 (95.0)	211,828 (5.0)
2009	P-value ¹	N/A	< 0.0001	< 0.0001
2015	2015	5,857,686	5,639,622 (96.3)	218,064 (3.7)
vs	2009	4,253,110	4,041,282 (95.0)	211,828 (5.0)
2009	P-value ¹	N/A	< 0.0001	< 0.0001
2016	2016	5,986,274	5,626,675 (94.0)	359,599 (6.0)
vs	2009	4,253,110	4,041,282 (95.0)	211,828 (5.0)
2009	P-value ¹	N/A	< 0.0001	< 0.0001

¹P-value using Chi-Square test

4.6 Specific Aim 3

The objective of this Aim was to evaluate the association between the ACA and the ED visits with the disposition of Treat-and-Release of psychiatric patients admitted to ED. The endpoint was the proportion of psychiatric-related ED visits with the disposition of Treat-and-Release. The comparison of interest was the proportion of psychiatric-related ED visits with the disposition of Treat-and-Release for each of Post-ACA years, 2011 to 2016 with Pre-ACA 2009. The analysis methodology was using logistic regression adjusting for covariates. The covariates were age category in years, $18 \le \text{age} \le 25$, $26 \le \text{age} \le 49$ and $50 \le \text{age} \le 64$, sex/gender (male, female), payer (Medicare, Medicaid, private, uninsured), and hospital region (urban, rural). The proportion of psychiatric-related ED visits with disposition of Treat-and-Release were analyzed for both adjusted and unadjusted analyses for each of Post-ACA years, 2011 to 2016 versus Pre-ACA 2009. The ORs (95% CI) and p-value (P) using $\chi 2$ statistics were reported.

Summary of the proportion of psychiatric-related ED visits with the disposition of Treat-and-Release along with the change in the number and percentage of ED visits from Pre-ACA to Post-ACA is in Table 32. The proportion of psychiatric-related ED disposition of Treat-and-Release increased from 73.4% in Pre-ACA 2009 to Post-ACA years, 75.7% in 2011, 76.7% in 2012, 77.5% in 2013, 77.7% in 2014, 72.5% in 2015 and 78.9% in 2016. The proportion of ED visits with the disposition of Treat-and-Release was lower in Post-ACA 2015 than all other Post-ACA years. The change from Pre-ACA in percentage of the psychiatric-related ED disposition of Treat-and-Release was ranging from 2.3% to 5.6% for Post-ACA 2011 to 2014 and 2016. The change from Pre-ACA in percentage ha a decrease of 0.9% in Post-ACA 2015, with the proportion

of ED disposition of Treat-and-Release was 72.5% lower than Pre-ACA (73.4%) and other Post-ACA years (75.7% to 78.9%). Although the change from the Post-ACA to the Pre-ACA in the percentage of the proportion of psychiatric-related ED visits disposition of Treat-and-Release was small, between -0.9% to 5.6%, the change in the number of Treat-and-Release ED visits continued to increase by more than 450,000 in 2011, 920,000 in 2012, 956,000 in 2013, 1.4 million in 2014, 1.1 million in 2015 and 1.6 million in 2016.

Table 32: Summary of Psychiatric-Related ED Disposition of Treat-and-Release

			Psychiatric-Related ED Visit Disposition, n (%)					
Year		N	Treated and Released	Change from Pre-ACA				
Pre-ACA	2009	4,253,110	3,120,641 (73.4)	N/A				
	2011	4,717,856	3,570,582 (75.7)	449,941 (2.3)				
	2012	5,267,941	4,040,346 (76.7)	919,705 (3.3)				
Post-ACA	2013	5,261,875	4,077,050 (77.5)	956,409 (4.1)				
	2014	5,832,444	4,529,512 (77.7)	1,408,871 (4.3)				
	2015	5,857,686	4,248,209 (72.5)	1,127,568 (-0.9)				
	2016	5,986,274	4,725,090 (78.9)	1,604,449 (5.6)				

Note: Percentages are based on total visits, N.

A graphical presentation of the proportion of psychiatric-related ED disposition of Treat-and-Release is in Figure 14.

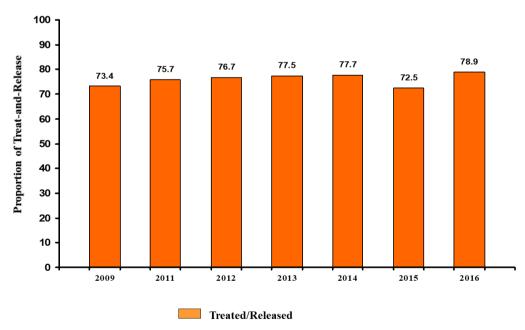


Figure 14: Proportion of Psychiatric-Related ED Disposition of Treat-and-Release

Figure 15 shows the graphical presentation of the adjusted ORs for the proportion of psychiatric-related ED disposition of Treat-and-Release. The proportion of psychiatric-related ED disposition of Treat-and-Release were analyzed for each of Post-ACA years, 2011 to 2016 versus Pre-ACA 2009 for both adjusted and unadjusted analyses. All statistical analyses of the proportion of psychiatric-related ED visits disposition of Treat-and-Release were statistically significant for all comparisons of Post-ACA versus Pre-ACA (P <0.0001). The odds of psychiatric-related ED visits disposition of Treat-and-Release increased from 17% to 54% for Post-ACA 2011 to 2016 except 2015 compared to Pre-ACA 2009. In Post-ACA 2015, the odds of ED disposition of Treat-and-Release was about the same for Post-ACA 2015 and Pre-ACA 2009. In Post-ACA 2015, the percentage of ED visits disposition for other reasons was 6.9%, much higher than Pre-ACA 2009 (0.3%) and other Post-ACA years (2011: 0.3%, 2012 to 2016: 0.2%). However, in Post-ACA 2015, the ED visits disposition of Treat-and-Release was much higher than Admitted/Transferred to hospital (72.5% versus 20.5%).

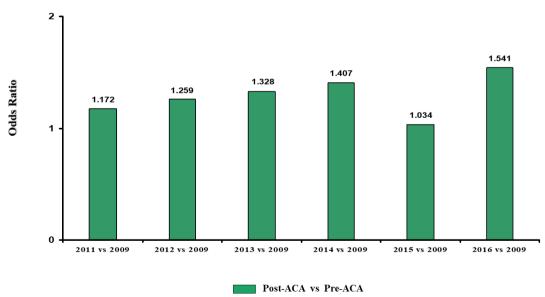


Figure 15: Adjusted Analysis of Proportion of Psychiatric-Related ED Disposition of Treat-and-Release

Table 33 shows the analysis of the proportion of psychiatric-related ED visits with the disposition of Treat-and-Release for Post-ACA 2011 versus Pre-ACA 2009. The proportion of psychiatric-related ED with the disposition of Treat-and-Release was 75.7% for Post-ACA 2011 and 73.4% for Pre-ACA 2009, an increase of 2.3%, or 450,000 visits. The adjusted and unadjusted analyses of the proportion of psychiatricrelated ED with the disposition of Treat-and-Release for Post-ACA 2011 versus Pre-ACA 2009 using logistic regression were statistically significant (P < 0.0001). The ORs (95% CI) were 1.172 (1.168, 1.176) for the adjusted analysis and 1.129 (1.126, 1.133) for the unadjusted analysis. All covariates, age, sex, payer, and hospital region were statistically significant (P<0.0001). For both adjusted and unadjusted analyses of the proportion of psychiatric-related ED with the disposition of Treat-and-Release, the odds ratios were greater than 1, with an increase of 17% for the adjusted analysis and an increase of 13% for the unadjusted analysis. Since the number of ED visits was very large, the confidence interval was very small, with a difference of 0.008 and 0.007 points from upper limit to lower limit for the adjusted and unadjusted analyses, respectively.

Table 33: Analysis of Proportion of Psychiatric-Related Emergency Department Disposition of Treat-and-Release, 2011 vs 2009

of freat-and-release, 2011 vs 2007								
Psychiatric-Related ED Visits with	Post-ACA (2011)	Pre-ACA (2009)						
Treat-and-release Disposition	N = 4,717,856	N = 4,253,110						
	n (%)	n (%)						
Treat-and-Release ED Visits								
Yes	3,570,582 (75.7)	3,120,641 (73.4)						
No	1,147,274 (24.3)	1,132,469 (26.6)						
Model ¹	Odds Ratio (95% CI)	P-Value ²						
Model 1								
ACA	1.129 (1.126, 1.133)	< 0.0001						
Model 2								
ACA	1.172 (1.168, 1.176)	< 0.0001						
Age	2.100 (2.095, 2.105)	< 0.0001						
Sex	0.767 (0.764, 0.769)	< 0.0001						
Payer	0.778 (0.777, 0.779)	< 0.0001						
Region	0.666 (0.661, 0.672)	< 0.0001						

¹Model 1: Treat-and-Release ED Visits = ACA; Model 2: Treat-and-Release ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

Table 34 shows the analysis of the proportion of psychiatric-related ED visits disposition of Treat-and-Release for Post-ACA 2012 versus Pre-ACA 2009. The

proportion of psychiatric-related ED disposition of Treat-and-Release was 76.7% for Post-ACA 2012 and 73.4% for Pre-ACA 2009, an increase of 3.3%, or 920,000 visits. The adjusted and unadjusted analyses of the proportion of psychiatric-related ED disposition of Treat-and-Release for Post-ACA 2012 versus Pre-ACA 2009 using logistic regression were statistically significant (P<0.0001). The ORs (95% CI) were 1.259 (1.255, 1.263) for the adjusted analysis and 1.194 (1.191, 1.198) for the unadjusted analysis. All covariates, age, sex, payer, and hospital region were statistically significant (P<0.0001). For both adjusted and unadjusted analyses of the proportion of psychiatric-related ED disposition of Treat-and-Release, the odds ratios were greater than 1, with an increase of 26% for the adjusted analysis and an increase of 19% for the unadjusted analysis. Since the number of ED visits was very large, the confidence interval was very small, with a difference of 0.008 and 0.007 points from upper limit to lower limit for the adjusted and unadjusted analyses, respectively.

Table 34: Analysis of Proportion of Psychiatric-Related Emergency Department Disposition of Treat-and-Release, 2012 vs 2009

Psychiatric-Related ED Visits Disposition of Treat-and-Release	Post-ACA (2012) N = 5,267,941	Pre-ACA (2009) N = 4,253,110
Disposition of Treat-and-Release	n (%)	n (%)
Treat-and-Release ED Visits		
Yes	4,040,346 (76.7)	3,120,641 (73.4)
No	1,227,595 (23.3)	1,132,469 (26.6)
Model ¹	Odds Ratio (95% CI)	P-Value ²
Model 1		
ACA	1.194 (1.191, 1.198)	< 0.0001
Model 2		
ACA	1.259 (1.255, 1.263)	< 0.0001
Age	2.083 (2.078, 2.088)	< 0.0001
Sex	0.768 (0.766, 0.771)	< 0.0001
Payer	0.785 (0.784, 0.787)	< 0.0001
Region	0.634 (0.629, 0.640)	< 0.0001

¹Model 1: Treat-and-Release ED Visits = ACA; Model 2: Treat-and-Release ED Visits = ACA Age Sex Payer Region

² P-value using γ2 test

Table 35 shows the analysis of the proportion of psychiatric-related ED visits disposition of Treat-and-Release for Post-ACA 2013 versus Pre-ACA 2009. The proportion of psychiatric-related ED disposition of Treat-and-Release was 77.5% for Post-ACA 2013 and 73.4% for Pre-ACA 2009, an increase of 4.1%, or 960,000 visits. The adjusted and unadjusted analyses of the proportion of psychiatric-related ED

disposition of Treat-and-Release for Post-ACA 2013 versus Pre-ACA 2009 using logistic regression were statistically significant (P<0.0001). The ORs (95% CI) were 1.328 (1.324, 1.333) for the adjusted analysis and 1.249 (1.245, 1.252) for the unadjusted analysis. All covariates, age, sex, payer, and hospital region were statistically significant (P<0.0001). For both adjusted and unadjusted analyses of the proportion of psychiatric-related ED disposition of Treat-and-Release, the odds ratios were greater than 1, with an increase of 33% for the adjusted analysis and an increase of 25% for the unadjusted analysis. Since the number of ED visits was very large, the confidence interval was very small, with a difference of 0.009 points and 0.007 from upper limit to lower limit for the adjusted and unadjusted analyses, respectively.

Table 35: Analysis of Proportion of Psychiatric-Related Emergency Department Disposition of Treat-and-Release, 2013 vs 2009

Psychiatric-Related ED Visits Disposition of Treat-and-Release	Post-ACA (2013) N = 5,261,875	Pre-ACA (2009) N = 4,253,110
	n (%)	n (%)
Treat-and-Release ED Visits		
Yes	4,077,050 (77.5)	3,120,641 (73.4)
No	1,184,825 (22.5)	1,132,469 (26.6)
Model ¹	Odds Ratio (95% CI)	P-Value ²
Model 1		
ACA	1.249 (1.245, 1.252)	< 0.0001
Model 2		
ACA	1.328 (1.324, 1.333)	< 0.0001
Age	2.059 (2.054, 2.064)	< 0.0001
Sex	0.771 (0.768, 0.773)	< 0.0001
Payer	0.783 (0.782, 0.785)	< 0.0001
Region	0.629 (0.624, 0.634)	< 0.0001

¹ Model 1: Treat-and-Release ED Visits = ACA; Model 2: Treat-and-Release ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

Table 36 shows the analysis of the proportion of psychiatric-related ED visits disposition of Treat-and-Release for Post-ACA 2014 versus Pre-ACA 2009. The proportion of psychiatric-related ED disposition of Treat-and-Release was 77.7% for Post-ACA 2014 and 73.4% for Pre-ACA 2009, an increase of 4.3% or 1.4 million visits. The adjusted and unadjusted analyses of the proportion of psychiatric-related ED disposition of Treat-and-Release for Post-ACA 2014 versus Pre-ACA 2009 using logistic regression were statistically significant (P<0.0001). The ORs (95% CI) were 1.407 (1.403, 1.411) for the adjusted analysis and 1.262 (1.258, 1.265) for the

unadjusted analysis. All covariates, age, sex, payer, and hospital region were statistically significant (P<0.0001). For both adjusted and unadjusted analyses of the proportion of psychiatric-related ED disposition of Treat-and-Release, the odds ratios were greater than 1, with an increase of 41% for the adjusted analysis and an increase of 26% for the unadjusted analysis. Since the number of ED visits was very large, the confidence interval was very small, with a difference of 0.008 and 0.007 points from upper limit to lower limit for the adjusted and unadjusted analyses, respectively.

Table 36: Analysis of Proportion of Psychiatric-Related Emergency Department Disposition of Treat-and-Release, 2014 vs 2009

Psychiatric-Related ED Visits Disposition of Treat-and-Release	Post-ACA (2014) N = 5,832,444	Pre-ACA (2009) N = 4,253,110
	n (%)	n (%)
Treat-and-Release ED Visits		
Yes	4,529,512 (77.7)	3,120,641 (73.4)
No	1,302,932 (22.3)	1,132,469 (26.6)
Model ¹	Odds Ratio (95% CI)	P-Value ²
Model 1		
ACA	1.262 (1.258, 1.265)	< 0.0001
Model 2		
ACA	1.407 (1.403, 1.411)	< 0.0001
Age	2.045 (2.040, 2.050)	< 0.0001
Sex	0.772 (0.769, 0.774)	< 0.0001
Payer	0.769 (0.768, 0.770)	< 0.0001
Region	0.656 (0.651, 0.661)	< 0.0001

¹ Model 1: Treat-and-Release ED Visits = ACA; Model 2: Treat-and-Release ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

Table 37 shows the analysis of the proportion of psychiatric-related ED visits disposition of Treat-and-Release for Post-ACA 2015 versus Pre-ACA 2009. The proportion of psychiatric-related ED disposition of Treat-and-Release was 72.5% for Post-ACA 2015 and 73.4% for Pre-ACA 2009, a decrease of 0.9%, but with an increase of more than 1.1 million visits in 2015. The adjusted and unadjusted analyses of the proportion of psychiatric-related ED disposition of Treat-and-Release for Post-ACA 2015 versus Pre-ACA 2009 using logistic regression were statistically significant (P<0.0001). The ORs (95% CI) were 1.034 (1.031, 1.037) for the adjusted analysis and 0.958 (0.955, 0.961) for the unadjusted analysis. All covariates, age, sex, payer, and hospital region were statistically significant (P<0.0001). For both adjusted and unadjusted analyses of the proportion of psychiatric-related ED disposition of Treat-

and-Release, the odds ratios were around 1, adjusted OR of 1.03 and unadjusted OR of 0.96. This results indicate that the odds of ED disposition of Treat-and-Release was about the same for Post-ACA 2015 versus Pre-ACA 2009. Since the number of ED visits was very large, the confidence interval was very small, with a difference of 0.006 points from upper limit to lower limit for both the adjusted and unadjusted analyses.

Table 37: Analysis of Proportion of Psychiatric-Related Emergency Department Disposition of Treat-and-Release, 2015 vs 2009

Psychiatric-Related ED Visits Disposition of Treat-and-Release	Post-ACA (2015) N = 5,857,686	Pre-ACA (2009) N = 4,253,110
	n (%)	n (%)
Treat-and-Release ED Visits		
Yes	4,248,209 (72.5)	3,120,641 (73.4)
No	1,609,477 (27.5)	1,132,469 (26.6)
Model ¹	Odds Ratio (95% CI)	P-Value ²
Model 1		
ACA	0.958 (0.955, 0.961)	< 0.0001
Model 2		
ACA	1.034 (1.031, 1.037)	< 0.0001
Age	1.895 (1.890, 1.899)	< 0.0001
Sex	0.827 (0.824, 0.829)	< 0.0001
Payer	0.876 (0.875, 0.877)	< 0.0001
Region	0.671 (0.665, 0.676)	< 0.0001

¹ Model 1: Treat-and-Release ED Visits = ACA; Model 2: Treat-and-Release ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

Table 38 shows the analysis of the proportion of psychiatric-related ED visits disposition of Treat-and-Release for Post-ACA 2016 versus Pre-ACA 2009. The proportion of psychiatric-related ED disposition of Treat-and-Release was 78.9% for Post-ACA 2016 and 73.4% for Pre-ACA 2009, an increase of 5.6%, or 1.6 million visits. The adjusted and unadjusted analyses of the proportion of psychiatric-related ED disposition of Treat-and-Release for Post-ACA 2016 versus Pre-ACA 2009 using logistic regression were statistically significant (P<0.0001). The ORs (95% CI) were 1.541 (1.536, 1.545) for the adjusted analysis and 1.360 (1.356, 1.364) for the unadjusted analysis. All covariates, age, sex, payer, and hospital region were statistically significant (P<0.0001). For both adjusted and unadjusted analyses of the proportion of psychiatric-related ED disposition of Treat-and-Release, the odds ratios were greater than 1, with an increase of 54% for the adjusted analysis and an increase

of 36% for the unadjusted analysis. Since the number of ED visits was very large, the confidence interval was very small, with a difference of 0.009 and 0.008 points from upper limit to lower limit for the adjusted and unadjusted analyses, respectively.

Table 38: Analysis of Proportion of Psychiatric-Related Emergency Department Disposition of Treat-and-Release, 2016 vs 2009

of free that release, 2010 to 2000						
Psychiatric-Related ED Visits Disposition of Treat-and-Release	Post-ACA (2016) N = 5,986,274	Pre-ACA (2009) N = 4,253,110				
•	n (%)	n (%)				
Treat-and-Release ED Visits						
Yes	4,725,090 (78.9)	3,120,641 (73.4)				
No	1,261,184 (21.1)	1,132,469 (26.6)				
Model ¹	Odds Ratio (95% CI)	P-Value ²				
Model 1						
ACA	1.360 (1.356, 1.364)	< 0.0001				
Model 2						
ACA	1.541 (1.536, 1.545)	< 0.0001				
Age	2.046 (2.041, 2.051)	< 0.0001				
Sex	0.778 (0.776, 0.781)	< 0.0001				
Payer	0.785 (0.783, 0.786)	< 0.0001				
Region	0.655 (0.651, 0.660)	< 0.0001				

Model 1: Treat-and-Release ED Visits = ACA; Model 2: Treat-and-Release ED Visits = ACA Age Sex Payer Region

4.7 Psychiatric Diagnosis

After the mapping of ICD-10 codes into the ICD-9 codes, all psychiatric diagnoses were coded into 7 diagnosis categories or grouping for Pre-ACA 2009 and all Post-ACA years, 2011 to 2016. The psychiatric diagnoses were grouped into Dementia/Delusional/Transient/Persistent (Dementia), Drug and Alcohol Dependence (Drug/Alcohol), Schizophrenic and Other Psychoses (Schizophrenic), Depressive and Episodic Mood (Depressive), Anxiety, dissociative and somatoform (Anxiety), Acute and Adjustment Reaction to Stress (Stress), and Other diagnoses (Other).

Table 39 shows the summary of all psychiatric diagnoses for the psychiatric related ED visits for Pre-ACA 2009 and Post-ACA 2011 to 2016. Among all psychiatric diagnoses, the majority of diagnoses were for the Drug/Alcohol disorders, followed by Depressive and Anxiety disorders. Drug/Alcohol disorders for Pre-ACA 2009 was 58.7% and ranging from 57.1% to 60.2% Post-ACA 2011 to 2016. Depressive disorders had the second-highest incidence rate, 16.5% in Pre-ACA 2009 and 15.3% in Post-

² P-value using χ2 test

ACA 2016, followed by Anxiety disorders with 13.6% for Pre-ACA 2009 and ranging from 14.4% to 15.0% for Post-ACA 2011 to 2016. From Pre-ACA 2009 to Post-ACA 2016, the proportion of psychiatric diagnoses for Schizophrenic disorders was from 3.5% to 4.3%, for Dementia was from 0.7% to 0.8%, and for Stress was from 1.8% to 2.1%. Despite an increase or a decrease in the proportion of psychiatric diagnosis, the number of all psychiatric diagnoses of Drug/Alcohol, Depressive, Anxiety, Schizophrenic, Dementia, and Stress disorders were higher in Post-ACA years 2011 to 2016 than Pre-ACA 2009.

Table 39: Summary of All Psychiatric Diagnosis

			Psychia	atric Diagnos	sis for ED Disposi	tion of the Tre	at-and-Relea	ise	
Year		N	Dementia	Drug/	Schizophrenic	Depressive	Anxiety	Stress	Other
				Alcohol		_			
Pre-	2009	5,625,083	46,134	3,300,614	240,212	929,717	763,539	101,583	243,284
ACA			(0.8)	(58.7)	(4.3)	(16.5)	(13.6)	(1.8)	(4.3)
	2011	6,289,383	46,828	3,673,871	253,665	1,018,793	907,779	122,254	266,193
			(0.7)	(58.4)	(4.0)	(16.2)	(14.4)	(1.9)	(4.2)
Post-	2012	7,205,783	50,797	4,138,853	290,191	1,247,230	1,041,649	139,164	297,899
ACA			(0.7)	(57.4)	(4.0)	(17.3)	(14.5)	(1.9)	(4.1)
	2013	7,329,616	51,286	4,187,794	293,221	1,274,297	1,079,079	143,488	300,451
			(0.7)	(57.1)	(4.0)	(17.4)	(14.7)	(2.0)	(4.1)
	2014	8,197,762	60,002	4,682,324	342,126	1,397,360	1,215,822	164,162	335,966
			(0.7)	(57.1)	(4.2)	(17.0)	(14.8)	(2.0)	(4.1)
	2015	8,313,408	59,351	4,863,755	309,408	1,355,229	1,239,372	166,743	319,550
			(0.7)	(58.5)	(3.7)	(16.3)	(14.9)	(2.0)	(3.8)
	2016	8,835,667	62,013	5,322,806	313,438	1,354,876	1,322,450	184,628	275,456
			(0.7)	(60.2)	(3.5)	(15.3)	(15.0)	(2.1)	(3.1)

Note: Percentages are based on all psychiatric diagnoses for visits with Treat-and-Release disposition, N

Table 40 shows the summary of all psychiatric diagnoses for the psychiatric-related ED disposition of Treat-and-Release. Among the psychiatric-related ED visits with the disposition of Treat-and-Release, Drug/Alcohol dependence was 62.2% in Pre-ACA 2009, and for Post-ACA 2011 to 2016 were 61.6% in 2011, 60.4% in 2012, 60.2% in 2013, 60.6% in 2014, 61.7% in 2015, and 63.5% in 2016. Other psychiatric disorders for Pre-ACA 2009 and Post-ACA 2011 to 2016 were ranging from 13.5% to 15.5% for Depressive, from 14.2% to 15.0% for Anxiety, from 3.1% to 3.4% for Schizophrenic, from 1.6% to 1.8% for Stress, and for Dementia from 0.4% to 0.5%. The number of psychiatric diagnoses increased for all Post-ACA years compared to Pre-ACA.

Table 40: Summary of Psychiatric Diagnosis

					j of f bjelliaer				
			Psychia	tric Diagnos	is for ED Disposit	ion of the Tre	at-and-Rele	ase	
Year		N	Dementia	Drug/	Schizophrenic	Depressive	Anxiety	Stress	Other
				Alcohol	•	•	· ·		
Pre-	2009	3,779,138	16,680	2,349,758	127,707	548,946	536,656	59,025	140,366
ACA			(0.4)	(62.2)	(3.4)	(14.5)	(14.2)	(1.6)	(3.7)
	2011	4,402,230	18,820	2,712,319	143,347	630,444	653,982	76,600	166,718
			(0.4)	(61.6)	(3.3)	(14.3)	(14.9)	(1.7)	(3.8)
Post-	2012	5,115,447	21,548	3,092,459	171,496	791,672	756,593	89,836	191,843
ACA			(0.4)	(60.4)	(3.3)	(15.5)	(14.8)	(1.8)	(3.7)
	2013	5,248,833	22,162	3,161,741	175,353	815,228	785,344	93,805	195,200
			(0.4)	(60.2)	(3.3)	(15.5)	(15.0)	(1.8)	(3.7)
	2014	5,845,570	25,304	3,543,056	200,217	878,067	876,447	105,689	216,790
			(0.4)	(60.6)	(3.4)	(15.0)	(15.0)	(1.8)	(3.7)
	2015	5,566,915	24,458	3,431,770	180,326	806,453	828,418	101,845	193,645
			(0.4)	(61.7)	(3.2)	(14.5)	(14.9)	(1.8)	(3.5)
	2016	6,361,258	29,627	4,041,312	196,329	859,288	947,087	117,057	170,558
			(0.5)	(63.5)	(3.1)	(13.5)	(14.9)	(1.8)	(2.7)

Note: Percentages are based on all psychiatric diagnoses for visits with Treat-and-Release disposition, N

For ED visits with the disposition of Treat-and Release, Drug/Alcohol disorders were higher than other psychiatric disorders for all age groups, followed by Depressive and Anxiety disorders. The proportion of Drug/Alcohol, Depressive and Anxiety disorders were higher for the 26-49 age group than 18-25 and 50-64 age groups. Summary tables of psychiatric disorders for the Treat-and-Release ED visits by age are in Tables 41, 42 and 43.

For adults 18-25, the proportion of psychiatric diagnosis of ED visits with the disposition of Treat-and-Release for Drug/Alcohol dependence was 13.2% in Pre-ACA 2009, and decreased over time for the Post-ACA 2011 to 2016, with 12.7% in 2011, and 10.7% in 2016. The proportion of Depressive disorders was 2.5% for Pre-ACA 2009 and decreased over time from 2.4% in Post-ACA 2011 to 2.0% in 2016. The proportion of Anxiety disorders was 2.6% for Pre-ACA 2009 and slightly decreased from 2.5% in Post-ACA 2011 to 2.3% in 2016.

Table 41: Summary of Psychiatric Diagnosis by Age: Age 18 to 25

			Psych	iatric Diagnosis f	for ED Disposition	n of the Treat-	and-Release	9	
Year		N	Dementia	Drug/Alcohol	Schizophrenic	Depressive	Anxiety	Stress	Other
Pre-	2009	3,779,138	1,658	499,687	17,534	93,085	96,777	12,831	44,335
ACA			(0.04)	(13.2)	(0.5)	(2.5)	(2.6)	(0.3)	(1.2)
	2011	4,402,230	1,845	558,429	20,239	104,369	112,386	16,049	54,937
			(0.04)	(12.7)	(0.5)	(2.4)	(2.5)	(0.4)	(1.2)
Post-	2012	5,115,447	2,137	614,476	24,749	125,375	127,664	18,255	63,954
ACA			(0.04)	(12.0)	(0.5)	(2.4)	(2.5)	(0.4)	(1.2)
	2013	5,248,833	2,215	601,638	24,508	123,033	125,974	18,555	64,782
			(0.04)	(11.5)	(0.5)	(2.3)	(2.4)	(0.3)	(1.2)
	2014	5,845,570	2,470	647,380	27,891	133,276	142,033	19,761	71,423
			(0.04)	(11.1)	(0.5)	(2.3)	(2.4)	(0.3)	(1.2)
	2015	5,566,915	2,491	603,182	24,733	120,988	132,197	18,148	63,090
			(0.04)	(10.8)	(0.4)	(2.2)	(2.4)	(0.3)	(1.1)
	2016	6,361,258	2,987	682,021	26,123	127,978	148,752	21,280	58,102
			(0.05)	(10.7)	(0.4)	(2.0)	(2.3)	(0.3)	(0.9)

Note: Percentages are based on all psychiatric diagnoses for visits with Treat-and-Release disposition, N

For adults 26-49, the proportion of psychiatric diagnosis of ED visits with the disposition of Treat-and-Release for Drug/Alcohol dependence was 36.9% in Pre-ACA 2009, decreased over time for Post-ACA 2011 to 2014, with 35.8% in 2011, and 34.8% in 2014, and increased to 35.4% in 2015 and 36.8% in 2016. The proportion of Depressive disorders was 8.6% for Pre-ACA 2009, decreased to 8.1% in Post-ACA 2011 and 7.3% in 2016. The proportion of Anxiety disorders was 8.4% for Pre-ACA 2009, increased to 8.7% in Post-ACA 2011 and decreased to 8.4% in 2016.

Table 42: Summary of Psychiatric Diagnosis by Age: Age 26 to 49

			Psych	iatric Diagnosis	for ED Disposition	n of the Treat-	and-Releas	e	
Year		N	Dementia	Drug/Alcohol	Schizophrenic	Depressive	Anxiety	Stress	Other
Pre-	2009	3,779,138	6,060	1,395,014	73,162	324,508	316,475	34,172	71,563
ACA			(0.2)	(36.9)	(1.9)	(8.6)	(8.4)	(0.9)	(1.9)
	2011	4,402,230	6,419	1,577,290	78,912	358,186	381,079	44,116	82,580
			(0.1)	(35.8)	(1.8)	(8.1)	(8.7)	(1.0)	(1.9)
Post-	2012	5,115,447	7,381	1,784,441	93,729	445,475	437,441	51,884	94,123
ACA			(0.1)	(34.9)	(1.8)	(8.7)	(8.5)	(1.0)	(1.8)
	2013	5,248,833	7,666	1,818,358	96,105	455,742	452,681	54,572	95,983
			(0.1)	(34.6)	(1.8)	(8.7)	(8.6)	(1.0)	(1.8)
	2014	5,845,570	8,767	2,032,257	109,394	482,936	499,319	62,216	106,663
			(0.1)	(34.8)	(1.9)	(8.3)	(8.5)	(1.1)	(1.8)
	2015	5,566,915	9,010	1,970,248	99,092	437,681	467,566	60,377	95,942
			(0.2)	(35.4)	(1.8)	(7.9)	(8.4)	(1.1)	(1.7)
	2016	6,361,258	10,985	2,342,948	111,204	462,448	535,033	69,181	82,901
			(0.2)	(36.8)	(1.7)	(7.3)	(8.4)	(1.1)	(1.3)

Note: Percentages are based on all psychiatric diagnoses for visits with Treat-and-Release disposition, N

For adults 50-64, the proportion of psychiatric diagnoses of ED visits with the disposition of Treat-and-Release for Drug/Alcohol dependence was 12.0% in Pre-ACA 2009, and increased over time for Post-ACA 2011 to 2016, with 13.1% in 2011, to 14.8% in 2014 and 16.0% in 2016. The proportion of Depressive disorders was 3.5%

in Pre-ACA 2009 and increased from 3.8% in Post-ACA 2011 and 4.2% in 2016. The proportion of Anxiety disorders was 3.3% for Pre-ACA 2009 and increased from 3.6% in Post-ACA 2011 to 4.1% in 2016.

Table 43: Summary of Psychiatric Diagnosis by Age: Age 50 to 64

			Psychiatric Diagnosis for ED Disposition of the Treat-and-Release									
Year		N	Dementia	Drug/Alcohol	Schizophrenic	Depressive	Anxiety	Stress	Other			
Pre-	2009	3,779,138	8,962	455,057	37,011	131,353	123,404	12,022	24,468			
ACA			(0.2)	(12.0)	(1.0)	(3.5)	(3.3)	(0.3)	(0.6)			
	2011	4,402,230	10,556	576,600	44,196	167,889	160,517	16,435	29,201			
			(0.2)	(13.1)	(1.0)	(3.8)	(3.6)	(0.4)	(0.7)			
Post-	2012	5,115,447	12,030	693,542	53,018	220,822	191,488	19,697	33,766			
ACA			(0.2)	(13.6)	(1.0)	(4.3)	(3.7)	(0.4)	(0.7)			
	2013	5,248,833	12,281	741,745	54,740	236,453	206,689	20,678	34,435			
			(0.2)	(14.1)	(1.0)	(4.5)	(3.9)	(0.4)	(0.7)			
	2014	5,845,570	14,067	863,419	62,932	261,855	235,095	23,712	38,704			
			(0.2)	(14.8)	(1.1)	(4.5)	(4.0)	(0.4)	(0.7)			
	2015	5,566,915	12,957	858,340	56,501	247,784	228,655	23,320	34,613			
			(0.2)	(15.4)	(1.0)	(4.4)	(4.1)	(0.4)	(0.6)			
	2016	6,361,258	15,655	1,016,343	59,002	268,862	263,302	26,596	29,555			
			(0.2)	(16.0)	(0.9)	(4.2)	(4.1)	(0.4)	(0.5)			

Note: Percentages are based on all psychiatric diagnoses for visits with Treat-and-Release disposition, N

Tables 44 and 45 show the summary of the psychiatric diagnoses for the Treat-and-Release ED visits for males and females. The proportion of Drug/Alcohol and Schizophrenic disorders were higher in males than females. The proportion of Depressive, Anxiety and Stress disorders were higher in females than males. The proportions of Dementia disorders were at 0.2% for both males and females for Pre-ACA and Post-ACA years.

For males, the proportion of psychiatric diagnoses of ED visits with disposition of Treat-and-Release for Drug/Alcohol dependence was 31.8% in Pre-ACA 2009, decreased over time for Post-ACA 2011 to 2014, with 31.6% in 2011, to 31.7% in 2014, and increased to 32.7% in 2015 and 34.0% in 2016. The proportion of Depressive disorders was 5.3% in Pre-ACA 2009, and decreased to 4.9% in Post-ACA 2016. The proportion of Anxiety disorders was 4.8% in Pre-ACA 2009 and increased from 5.0% to 5.1% for Post-ACA 2011 to 2016.

Table 44: Summary of Psychiatric Diagnosis by Sex: Male

			Psych	iatric Diagnosis	for ED Disposition	n of the Treat-	and-Releas	e	
Year		N	Dementia	Drug/Alcohol	Schizophrenic	Depressive	Anxiety	Stress	Other
Pre-	2009	3,776,405	8,832	1,201,755	75,197	200,713	181,252	23,036	67,585
ACA			(0.2)	(31.8)	(2.0)	(5.3)	(4.8)	(0.6)	(1.8)
	2011	4,400,917	9,765	1,389,529	84,991	228,231	220,974	30,358	80,771
			(0.2)	(31.6)	(1.9)	(5.2)	(5.0)	(0.7)	(1.8)
Post-	2012	5,115,222	11,408	1,593,601	101,499	284,908	254,139	35,471	93,000
ACA			(0.2)	(31.1)	(2.0)	(5.6)	(5.0)	(0.7)	(1.8)
	2013	5,248,636	11,767	1,641,073	105,382	295,035	266,302	37,223	95,865
			(0.2)	(31.3)	(2.0)	(5.6)	(5.1)	(0.7)	(1.8)
	2014	5,845,381	13,604	1,854,899	121,795	321,236	298,312	42,226	106,905
			(0.2)	(31.7)	(2.1)	(5.5)	(5.1)	(0.7)	(1.8)
	2015	5,566,112	13,028	1,822,675	109,277	295,337	284,740	40,520	96,854
			(0.2)	(32.7)	(2.0)	(5.3)	(5.1)	(0.7)	(1.7)
	2016	6,360,350	15,532	2,162,087	119,816	313,755	321,140	46,537	86,787
			(0.2)	(34.0)	(1.9)	(4.9)	(5.0)	(0.7)	(1.4)

Note: Percentages are based on all psychiatric diagnoses for visits with Treat-and-Release disposition, N

For females, the proportion of psychiatric diagnoses of ED visits with the disposition of Treat-and-Release for Drug/Alcohol dependence was 30.4% in Pre-ACA 2009, and decreased for Post-ACA 2011 to 2016, with 30.0% in 2011, and 29.5% in 2016. The proportion of Depressive disorders was 9.2% in Pre-ACA 2009 and decreased to 9.1% in Post-ACA 2011, increased to 9.9% in 2012 and 2013, 9.5% in 2014, 9.2% in 2015 and decreased to 8.6% in 2016. The proportion of Anxiety disorders was 9.4% in Pre-ACA 2009, increased to 9.8% in Post-ACA 2011, 2012, 2015 and 2016, and increased to 9.9% in Post-ACA 2013, and 2014.

Table 45: Summary of Psychiatric Diagnosis by Sex: Female

			Psychiatric Diagnosis								
Year		N	Dementia	Drug/Alcohol	Schizophrenic	Depressive	Anxiety	Stress	Other		
Pre-	2009	3,776,405	7,837	1,146,710	52,435	347,571	354,914	35,957	72,611		
ACA			(0.2)	(30.4)	(1.4)	(9.2)	(9.4)	(0.9)	(1.9)		
	2011	4,400,917	9,053	1,321,810	58,323	402,089	432,876	46,230	85,917		
			(0.2)	(30.0)	(1.3)	(9.1)	(9.8)	(1.0)	(1.9)		
Post-	2012	5,115,222	10,137	1,498,730	69,986	506,735	502,419	54,363	98,826		
ACA			(0.2)	(29.3)	(1.4)	(9.9)	(9.8)	(1.1)	(1.9)		
	2013	5,248,636	10,395	1,520,542	69,963	520,170	519,029	56,574	99,316		
			(0.2)	(29.0)	(1.3)	(9.9)	(9.9)	(1.1)	(1.9)		
	2014	5,845,381	11,698	1,688,053	78,412	556,808	578,110	63,457	109,866		
			(0.2)	(28.9)	(1.3)	(9.5)	(9.9)	(1.1)	(1.9)		
	2015	5,566,112	11,429	1,608,553	71,034	511,025	543,593	61,309	96,738		
			(0.2)	(28.9)	(1.3)	(9.2)	(9.8)	(1.1)	(1.7)		
	2016	6,360,350	14,092	1,878,858	76,496	545,307	625,710	70,496	83,737		
	D .	, ,	(0.2)	(29.5)	(1.2)	(8.6)	(9.8)	(1.1)	(1.3)		

Note: Percentages are based on all psychiatric diagnoses for visits with Treat-and-Release disposition, N

Tables 46 to 49 show the summary of the psychiatric diagnoses for the Treatand-Release ED visits for Medicare, Medicaid, private and uninsured payers. The proportion of Drug/Alcohol disorders were higher among uninsured followed by Medicaid, private and Medicare.

For Medicare insurers, the proportion of psychiatric diagnoses of ED visits with the disposition of Treat-and-Release for Drug/Alcohol dependence was 5.7% in Pre-ACA 2009, and increased over time during Post-ACA 2011 to 2016 (6.2% to 6.9%). The proportion of Depressive disorders was 2.7% for Pre-ACA 2009 and ranging from 2.8% and 3.2% during Post-ACA 2011 to 2016. The proportion of Anxiety disorders was 1.8% for Pre-ACA 2009 and from 2.1% to 2.3% during Post-ACA 2011 to 2016.

Table 46: Summary of Psychiatric Diagnosis by Payer: Medicare

			Psych	iatric Diagnosis f	for ED Disposition	n of the Treat-	and-Release	e	
Year		N	Dementia	Drug/Alcohol	Schizophrenic	Depressive	Anxiety	Stress	Other
Pre-	2009	3,759,300	5,501	214,393	40,924	99,955	67,662	7,482	29,491
ACA			(0.1)	(5.7)	(1.1)	(2.7)	(1.8)	(0.2)	(0.8)
	2011	4,382,064	6,534	271,413	47,963	123,010	90,888	11,332	34,328
			(0.1)	(6.2)	(1.1)	(2.8)	(2.1)	(0.3)	(0.8)
Post-	2012	5,107,171	7,584	329,500	56,055	160,341	110,528	14,100	39,543
ACA			(0.1)	(6.4)	(1.1)	(3.1)	(2.2)	(0.3)	(0.8)
	2013	5,238,086	7,688	335,700	56,535	168,769	120,591	14,590	39,741
			(0.1)	(6.4)	(1.1)	(3.2)	(2.3)	(0.3)	(0.8)
	2014	5,834,503	8,836	388,081	62,039	181,178	135,258	17,270	43,324
			(0.1)	(6.6)	(1.1)	(3.1)	(2.3)	(0.3)	(0.7)
	2015	5,560,989	8,217	378,548	55,397	168,996	129,339	17,218	39,967
			(0.1)	(6.8)	(1.0)	(3.0)	(2.3)	(0.3)	(0.7)
	2016	6,352,866	9,590	437,114	60,871	177,161	143,989	18,979	37,448
			(0.1)	(6.9)	(1.0)	(2.8)	(2.3)	(0.3)	(0.6)

Note: Percentages are based on all psychiatric diagnoses for visits with Treat-and-Release disposition, N

For Medicaid insurers, the proportion of psychiatric diagnoses of ED visits with the disposition of Treat-and-Release for Drug/Alcohol dependence was 15.5% in Pre-ACA 2009, and increased from 17.3% in Post-ACA 2011 to 24.3% in 2016. The proportion of Depressive disorders was 4.2% in Pre-ACA 2009 and increased to 4.4% in Post-ACA 2011 to 5.2% in 2016. The proportion of Anxiety disorders was 3.6% in Pre-ACA 2009 and increased from 4.1% in Post-ACA 2011 to 5.3% in 2016.

Table 47: Summary of Psychiatric Diagnosis by Payer: Medicaid

			Psych	iatric Diagnosis f	for ED Disposition	n of the Treat-	and-Release	9	
Year		N	Dementia	Drug/Alcohol	Schizophrenic	Depressive	Anxiety	Stress	Other
Pre-	2009	3,759,300	4,159	583,770	42,266	157,195	136,444	14,546	40,299
ACA			(0.1)	(15.5)	(1.1)	(4.2)	(3.6)	(0.4)	(1.1)
	2011	4,382,064	4,708	759,557	51,486	193,351	181,049	21,810	52,307
			(0.1)	(17.3)	(1.2)	(4.4)	(4.1)	(0.5)	(1.2)
Post-	2012	5,107,171	5,524	862,370	61,476	244,912	212,014	25,690	60,061
ACA			(0.1)	(16.9)	(1.2)	(4.8)	(4.1)	(0.5)	(1.2)
	2013	5,238,086	5,644	868,925	62,339	251,003	218,147	27,408	60,301
			(0.1)	(16.6)	(1.2)	(4.8)	(4.2)	(0.5)	(1.1)
	2014	5,834,503	7,514	1,236,440	79,924	322,697	296,047	35,924	77,117
			(0.1)	(21.2)	(1.4)	(5.5)	(5.1)	(0.6)	(1.3)
	2015	5,560,989	7,773	1,337,460	80.028	316,631	301,169	39,427	73,591
			(0.1)	(24.0)	(1.4)	(5.7)	(5.4)	(0.7)	(1.3)
	2016	6,352,866	9,629	1,541,362	84,632	331,740	337,258	44,439	63,229
			(0.1)	(24.3)	(1.3)	(5.2)	(5.3)	(0.7)	(1.0)

Note: Percentages are based on all psychiatric diagnoses for visits with Treat-and-Release disposition, N

For private insurers, the proportion of psychiatric diagnoses of ED visits with the disposition of Treat-and-Release for Drug/Alcohol dependence was 14.9% in Pre-ACA 2009, and decreased to 13.5% in Post-ACA 2011 and to 13.0% in 2014, and increased to 13.9% and 14.5% in 2015 and 2016, respectively. The proportion of Depressive disorders was 4.0% in Pre-ACA 2009 and decreased from 3.6% in Post-ACA 2011 to 3.5% in 2016. The proportion of Anxiety disorders was 4.9% in Pre-ACA 2009 and decreased ranging from 4.4% to 4.8% in Post-ACA 2011 to 2016.

Table 48: Summary of Psychiatric Diagnosis by Payer: Private

			Psych	iatric Diagnosis f	for ED Disposition	n of the Treat-	and-Release	9	
Year		N	Dementia	Drug/Alcohol	Schizophrenic	Depressive	Anxiety	Stress	Other
Pre-	2009	3,759,300	3,681	559,625	15,856	149,123	183,515	18,437	39,322
ACA			(0.1)	(14.9)	(0.4)	(4.0)	(4.9)	(0.5)	(1.0)
	2011	4,382,064	3,855	589,633	15,296	159,303	207,086	20,546	44,776
			(0.1)	(13.5)	(0.3)	(3.6)	(4.7)	(0.5)	(1.0)
Post-	2012	5,107,171	4,011	637,636	16,580	189,001	229,484	23,029	50,051
ACA			(0.1)	(12.5)	(0.3)	(3.7)	(4.5)	(0.4)	(1.0)
	2013	5,238,086	4,228	643,614	18,600	192,213	233,284	23,355	50,860
			(0.1)	(12.3)	(0.4)	(3.7)	(4.4)	(0.4)	(1.0)
	2014	5,834,503	4,621	758,021	23,213	214,536	269,016	26,773	57,843
			(0.1)	(13.0)	(0.4)	(3.7)	(4.6)	(0.5)	(1.0)
	2015	5,560,989	4,702	773,186	19,365	204,064	262,661	25,049	51,839
			(0.1)	(13.9)	(0.3)	(3.7)	(4.7)	(0.4)	(0.9)
	2016	6,352,866	5,770	920,046	22,395	224,315	307,801	30,170	46,419
			(0.1)	(14.5)	(0.3)	(3.5)	(4.8)	(0.5)	(0.7)

Note: Percentages are based on all psychiatric diagnoses for visits with Treat-and-Release disposition, N

For uninsured insurers, the proportion of psychiatric diagnoses of ED visits with the disposition of Treat-and-Release for Drug/Alcohol dependence was 26.1% in Pre-ACA 2009, and decreased from 24.6% in Post-ACA 2011 to 17.9% in 2016. The proportion of Depressive disorders was 3.7% in Pre-ACA 2009 and decreased from

3.5% in Post-ACA 2011 to 2.0% in 2016. The proportion of Anxiety disorders was 3.9% in Pre-ACA 2009 and decreased to 2.5% in Post-ACA 2016.

Table 49: Summary of Psychiatric Diagnosis by Payer: Uninsured

			Psych	iatric Diagnosis i	for ED Disposition	n of the Treat-	and-Release)	
Year		N	Dementia	Drug/Alcohol	Schizophrenic	Depressive	Anxiety	Stress	Other
Pre-	2009	3,759,300	3,240	980,540	28,201	139,189	145,822	18,166	30,496
ACA			(0.1)	(26.1)	(0.7)	(3.7)	(3.9)	(0.5)	(0.8)
	2011	4,382,064	3,677	1,077,961	28,234	152,317	172,362	22,576	34,706
			(0.1)	(24.6)	(0.6)	(3.5)	(3.9)	(0.5)	(0.8)
Post-	2012	5,107,171	4,395	1,257,507	37,211	196,377	203,440	26,834	41,917
ACA			(0.1)	(24.6)	(0.7)	(3.8)	(4.0)	(0.5)	(0.8)
	2013	5,238,086	4,555	1,306,439	37,633	201,704	211,839	28,309	44,072
			(0.1)	(24.9)	(0.7)	(3.8)	(4.0)	(0.5)	(0.8)
	2014	5,834,503	4,308	1,152,748	34,819	158,437	174,789	25,515	38,215
			(0.1)	(19.8)	(0.6)	(2.7)	(3.0)	(0.4)	(0.6)
	2015	5,560,989	3,742	938,816	25,415	115,959	134,349	20,028	28,053
			(0.1)	(16.9)	(0.5)	(2.1)	(2.4)	(0.4)	(0.5)
	2016	6,352,866	4,609	1,136,592	28,272	125,299	157,090	23,327	23,320
			(0.1)	(17.9)	(0.4)	(2.0)	(2.5)	(0.4)	(0.4)

Note: Percentages are based on all psychiatric diagnoses for visits with Treat-and-Release disposition, N

Tables 50 and 51 show the summary of the psychiatric diagnoses for the Treatand-Release ED visits for urban and rural hospitals. The proportion of Drug/Alcohol, Depressive, Anxiety, Stress and other disorders were higher for urban than rural hospitals.

For urban hospitals, the proportion of psychiatric diagnoses of ED visits with the disposition of Treat-and-Release for Drug/Alcohol dependence was 59% in Pre-ACA 2009, decreased in Post-ACA 2011 to 2014 ranging from 58.7% to 57.2%, and increased to 59.2% and 59.5% in Post-ACA 2015 and 2016, respectively. The proportion of Depressive disorders was 13.8% in Pre-ACA 2009 and decreased to 12.7% in Post-ACA 2016. The proportion of Anxiety disorders was 13.3% for Pre-ACA 2009 and increased ranging from 13.9% to 14.2% during Post-ACA 2011 to 2016.

Table 50: Summary of Psychiatric Diagnosis by Region: Urban

			Psycl	niatric Diagnosis	for ED Dispositio	n of the Treat	-and-Releas	se	
Year		N	Dementia	Drug/Alcohol	Schizophrenic	Depressive	Anxiety	Stress	Other
Pre-	2009	3,779,138	15,597	2,229,545	122,192	521,963	501,795	55,078	132,505
ACA			(0.4)	(59.0)	(3.2)	(13.8)	(13.3)	(1.5)	(3.5)
	2011	4,402,230	17,714	2,585,954	137,488	604,202	616,837	72,816	158,100
			(0.4)	(58.7)	(3.1)	(13.7)	(14.0)	(1.6)	(3.6)
Post-	2012	5,115,447	20,446	2,955,603	165,358	759,107	713,859	85,901	183,758
ACA			(0.4)	(57.8)	(3.2)	(14.8)	(13.9)	(1.7)	(3.6)
	2013	5,248,833	20,962	3,002,317	168,698	776,953	738,677	89,443	185,977
			(0.4)	(57.2)	(3.2)	(14.8)	(14.1)	(1.7)	(3.5)
	2014	5,845,570	23,953	3,367,722	192,643	839,931	829,227	100,560	207,104
			(0.4)	(57.6)	(3.3)	(14.4)	(14.2)	(1.7)	(3.5)
	2015	5,566,915	23,378	3,296,830	175,220	774,957	790,625	97,693	186,948
			(0.4)	(59.2)	(3.1)	(13.9)	(14.2)	(1.7)	(3.4)
	2016	6,361,258	27,869	3,782,184	187,630	810,233	883,788	110,746	162,791
			(0.4)	(59.5)	(2.9)	(12.7)	(13.9)	(1.7)	(2.6)

Note: Percentages are based on all psychiatric diagnoses for visits with Treat-and-Release disposition, N

For rural hospitals, the proportion of psychiatric diagnoses of ED visits with the disposition of Treat-and-Release for Drug/Alcohol dependence was 3.2% in Pre-ACA 2009, and ranging from 2.4% to 4.1% during Post-ACA 2011 to 2016. The proportion of Depressive disorders was 0.7% for Pre-ACA 2009 and ranging from 0.6% and 0.8% during Post-ACA 2011 to 2016. The proportion of Anxiety disorders was 0.9% in Pre-ACA 2009 and had small changes during Post-ACA 2011 to 2016 (0.7% to 1.0%).

Table 51: Summary of Psychiatric Diagnosis by Region: Rural

			Psych	iatric Diagnosis f	for ED Disposition	n of the Treat-	and-Release	;	
Year		N	Dementia	Drug/Alcohol	Schizophrenic	Depressive	Anxiety	Stress	Other
Pre-	2009	3,779,138	1,083	120,213	5,515	26,983	34,861	3,947	7,861
ACA			(0.03)	(3.2)	(0.1)	(0.7)	(0.9)	(0.1)	(0.2)
	2011	4,402,230	1,106	126,365	5,859	26,242	37,145	3,784	8,618
			(0.03)	(2.9)	(0.1)	(0.6)	(0.8)	(0.1)	(0.2)
Post-	2012	5,115,447	1,102	136,856	6,138	32,565	42,734	3,935	8,085
ACA			(0.02)	(2.7)	(0.1)	(0.6)	(0.8)	(0.1)	(0.2)
	2013	5,248,833	1,200	159,424	6,655	38,275	46,667	4,362	9,223
			(0.02)	(3.0)	(0.1)	(0.7)	(0.9)	(0.1)	(0.2)
	2014	5,845,570	1,351	175,334	7,574	38,136	47,220	5,129	9,686
			(0.02)	(3.0)	(0.1)	(0.6)	(0.8)	(0.1)	(0.2)
	2015	5,566,915	1,080	134,940	5,106	31,496	37,793	4,152	6,697
			(0.02)	(2.4)	(0.1)	(0.6)	(0.7)	(0.1)	(0.1)
	2016	6,361,258	1,758	259,128	8,699	49,055	63,299	6,311	7,767
			(0.03)	(4.1)	(0.1)	(0.8)	(1.0)	(0.1)	(0.1)

Note: Percentages are based on all psychiatric diagnoses for visits with Treat-and-Release disposition, N

5 CONCLUSION AND DISCUSSION

5.1 Conclusion

Analysis of the NEDS data (2009 and 2011 to 2016) demonstrated that the number of ED visits for all ages increased in the Post-ACA time period of 2012 to 2016 from 29.6 million to 32.7 million visits. Interestingly there was a slight decrease in the 2011 ED visits to 28.8 million visits compared to the 28.9 million visits in Pre-ACA 2009. The majority (>99%) of ED visits for all ages had at least one diagnosis in Pre-ACA 2009 and Post-ACA 2011 to 2016. Over 60% of all ED visits were for adults aged 18-64 in the Pre-ACA 2009 and the Post-ACA years 2011 to 2016. The number of ED visits for adults aged 18-64 with at least one diagnosis increased from 17.8 million to 20.1 million in the Post-ACA 2011 to 2016. The ACA fully went into effect on January 1, 2014. The ED visits for adults aged 18-64 continuously increased to the end of Post-ACA 2014 to 2016, 19.5 million in 2014, 18.7 million in 2015 and 20.1 million in 2016 compared to 17.6 million in Pre-ACA 2009.

Psychiatric-Related ED Visits

The number of psychiatric-related ED visits for adults aged 18-64 increased between 4.7 million to 6.0 million in Post-ACA years of 2011 to 2016 compared to the Pre-ACA year, 2009, which had 4.3 million visits. The proportion of psychiatric-related ED visits increased in Post-ACA 2011 to 2016 ranging from 26.4% to 31.3% compared to Pre-ACA 2009 at 24.1%. The adjusted and unadjusted analyses of the proportion of psychiatric-related ED visits were statistically significant for each of Post-ACA years 2011 to 2016 compared to Pre-ACA 2009. The adjusted ORs for the psychiatric-related ED visits increased from 1.12 to 1.36. The odds of psychiatric-related ED visits increased for each of Post-ACA years 2011 to 2016 compared to Pre-ACA 2009.

Patient characteristics

The proportion of psychiatric-related ED visits was higher for adults aged 26-49, followed by adults aged 50-64 and 18-25. It decreased for adults aged 18-25 and 26-49, and it increased for adults 50-64 in Post-ACA years 2011 to 2016 compared to Pre-ACA 2009. The comparisons of the psychiatric-related ED visits by age were statistically significant for the analysis of each age category for each of the Post-ACA years 2011 to 2016 versus the Pre-ACA 2009 (P<0.0001).

The proportion of psychiatric-related ED visits was higher for females than males. It increased for males and decreased for females in Post-ACA years, 2011 to 2016 compared to Pre-ACA 2009. The analysis of the psychiatric-related ED visits by sex was statistically significant for the comparisons of Post-ACA 2011 to 2016 except 2012 versus Pre-ACA for both males and females (P<0.0001). The comparisons of Post-ACA 2012 versus Pre-ACA were not statistically significant for both males and females (P>0.05).

The proportion of psychiatric-related ED visits was increased for those whose payers were Medicare and Medicaid in the Post-ACA years. For private payers, it decreased in Post-ACA 2011 to 2016 compared to Pre-ACA. For uninsured payers, it increased from Pre-ACA compared to Post-ACA 2012 to 2013, decreased slightly in Post-ACA 2011, and decreased over time in Post-ACA 2014 to 2016 (2009: 33%, 2016: 23%). The analyses of the psychiatric-related ED visits by payer were all statistically significant for comparisons of each Post-ACA year versus Pre-ACA and for each payer (P<0.0001). The number of psychiatric-related ED visits increased for Medicare, Medicaid, and private payers in Post-ACA years 2011 to 2016. It increased for the uninsured payer in Post-ACA years 2011 to 2014 and decreased in Post-ACA years

2015 to 2016 compared to Pre-ACA 2009. In 2016, there were about 1.4 million psychiatric-related ED visits with uninsured payers.

The proportion of psychiatric-related ED visits was higher for urban hospitals than for rural hospitals. For Post-ACA 2011 to 2015, the proportion of ED visits increased for urban hospitals and decreased for rural hospitals compared to Pre-ACA 2009. In 2016, it decreased for urban hospitals and increased for rural hospitals compared to Pre-ACA 2009. The analyses of the psychiatric-related ED visits by hospital region were all statistically significant for each comparison of Post-ACA year versus the Pre-ACA and each hospital region (P<0.0001).

ED visits with Treat-and-Release Disposition

The proportion of psychiatric-related ED visits with the disposition of Treat-and-Release increased in Post-ACA years 2011 to 2016 to ranging from 75.7% to 78.9% compared to Pre-ACA 2009 (73.4%). The adjusted and unadjusted analyses of the proportion of psychiatric-related ED visits with the disposition of Treat-and-Release were statistically significant for each of Post-ACA years 2011 to 2016 compared to Pre-ACA 2009. The adjusted ORs of the psychiatric-related ED visits increased over time from 1.17 to 1.54 for Post-ACA years 2011 to 2016 except 2015 versus Pre-ACA. In Post-ACA 2015, the adjusted OR was 1.03, which was lower than Post-ACA 2014 (OR=1.41) and 2016 (OR=1.54). This might be due to a high proportion of ED dispositions due to other reasons in 2015 (6.9%) compared to Pre-ACA or other Post-ACA years (0.2% or 0.3%), which might have contributed to lower Treat-and-Release or Admitted/Transferred to hospital ED dispositions. The odds of psychiatric-related ED visits of Treat-and-Release were higher in Post-ACA 2011 to 2014 and 2016 than Pre-ACA and in 2015 the odds was the same as Pre-ACA.

The proportion of ED visits with the Treat-and Release disposition was higher for adults 26-49, followed by those 50-64 and 18-25. It decreased for adults 18-26 and 26-49 and increased for adults 50-64 in the Post-ACA 2011 to 2016 compared to the Pre-ACA 2009. The proportion of psychiatric-ED visits with the Treat-and-Release disposition was higher in females than males. It increased for Medicare and Medicaid and decreased for private and uninsured payers in the Post-ACA 2014 to 2016 compared to the Pre-ACA 2009. It was higher in urban hospitals than rural hospitals.

Psychiatric Diagnosis

In Pre-ACA and Post-ACA years, among all psychiatric diagnoses, the majority of diagnoses were for the Drug/Alcohol Dependence (57.1% to 60.2%), followed by Depressive disorders (15.3% to 17.4%) and Anxiety disorders (13.6% to 15.0%). The other psychiatric diagnoses were Schizophrenic (3.5% to 4.3%), Dementia (0.7% to 0.8%), and Stress (1.8% to 2.1%), and Other disorders (3.1% to 4.3%). The number of all psychiatric diagnoses, Drug/Alcohol Dependence, Depressive, Anxiety, Schizophrenic, Dementia, and Stress disorders were higher in each of the Post-ACA years 2011 to 2016 compared to the Pre-ACA 2009.

The psychiatric diagnosis of ED visits with the disposition of Treat-and-Release was highest for the Drug/Alcohol Dependence (60.2% to 63.5%) disorders followed by Depressive disorders (13.5% to 15.5%) and Anxiety disorders (14.2% to 15.0%), Schizophrenic (3.1% to 3.4%), Dementia (0.4% to 0.5%), and Stress (1.6% to 1.8%), and Other disorders (2.7% to 3.8%).

The psychiatric diagnosis of the ED visits by age category with the disposition of Treat-and-Release was highest for Drug/Alcohol Dependence, Depressive. Anxiety, and Schizophrenic disorders in adults aged 26-49 followed by those 50-64, and then 18-25. The psychiatric diagnosis of the ED visits with Treat-and-Release by sex was

higher in males than females for the Drug/Alcohol Dependence and Schizophrenic disorders, in contrast, the Depressive, and Anxiety disorders were higher in females than males. The psychiatric diagnosis of ED visits with Treat-and-Release by payer was higher for Medicaid and uninsured payers for those with Drug/Alcohol Dependence disorders. Still the Depressive and Anxiety disorders were higher for Medicaid and private payers, and the Schizophrenic disorders were higher for Medicaid and Medicare payers. The psychiatric diagnosis of the ED visits with the disposition of Treat-and-Release by hospital region, the Drug/Alcohol Dependence, Depressive, Anxiety and Schizophrenic disorders were higher for urban hospitals than for rural hospitals.

Summary

This study demonstrated an association in the proportion of ED visits for patients with a psychiatric condition admitted to the ED and the ACA as well as an association between the ACA and the proportion of psychiatric-related ED visits with the disposition of Treat-and-Release. There was evidence of an association between the ACA and the characteristics of psychiatric patients admitted to ED. After the full implementation of the ACA, from Post-ACA 2014 to 2016, there were increases in Medicare and private payers and a significant increase in Medicaid and a decrease in uninsured payers.

5.2 Discussion

Full implementation of the ACA was on January 1, 2014. The Post-ACA years of 2014 to 2016 demonstrate a complete assessment of the association between the ACA and ED admissions by psychiatric patients. The ED visits for all ages increased from 28.9 million in 2009 to 31.0 million in 2014, 30.5 million in 2015 and 32.7 million in 2016. For adults aged 18-64, the ED visits increased from 17.6 million in 2009 to

19.5 million visits in 2014, 18.7 million in 2015 and 20.1 million visits in 2016. The ED visits for patients with at least one psychiatric diagnosis increased from 4.3 million in 2009 to 5.8 million in 2014, 5.9 million in 2015 and 6.0 million in 2016. The ED visits for all ages and adults aged 18-64 increased from 2009 to 2014 to 2016. The psychiatric-related ED visits, the ED visits with at least one psychiatric diagnosis, either primary diagnosis or secondary diagnosis, a comorbid condition or undiagnosed psychiatric disorder, increased over time Post-ACA 2014 to 2016 compared to Pre-ACA 2009. It also increased from Pre-ACA to Post-ACA 2011 to 2013 (2011: 4.7 million, 2012: 5.3 million, 2013: 5.3 million). These results were consistent with studies previously reported in the literature. ^{2,23,40}

This study found that the most common psychiatric diagnoses in the ED were alcohol and drug (substance) use disorders followed by depressive, anxiety, schizophrenia and other psychoses, stress and Dementia disorders. These diagnoses were treated and released from ED. In a 2017 survey of individuals aged 12 years or older, 18.2 million individuals perceived a treatment need for substance use but did not receive treatment in the year prior to the survey. Hashemi et al., reported that the most common psychiatric disorders in the EDs were substance use, attempted suicide, suicidal ideation, depressive, anxiety, and psychoses disorders. Attempted suicide was the leading cause of ED visits, which would require an in-depth assessment, triage process and adequate follow up treatment. This study did not report suicide/self-inflicted poisoning (ICD-9 codes: E950 to E959) and suicidal ideation (ICD-9 code: V62.84). These suicide-related ICD-9 codes were not included in the Mental, Behavioral and Neurodevelopmental Disorders with ICD-9 code of 290 to 319 and not in scope of this study. However, psychiatric patients may be at risk of suicidal thoughts, ideation and attempts.

This study also demonstrated the association between the ACA and characteristics of psychiatric patients admitted to ED. The number and proportion of ED visits for patients with psychiatric conditions with Medicare, Medicaid and private payers increased but decreased for uninsured payer in 2014 and 2016 compared to 2009. For the ED visits of patients with psychiatric condition with private payer, the number of ED visits increased but the proportion of ED visits decreased in 2014 to 2016 compared to 2009. With the ACA, more people gained health insurance and yet the number of all ED visits and ED visits for patients with psychiatric conditions continued to increase. In a survey of psychiatric patients admitted to ED, lack of access to routine mental health care was the reason for their ED visits.³¹ In another study of psychiatric patients admitted to ED, 55% of patients were referred to ED by their primary care physicians for psychiatric care and 42% of psychiatric patients did not have a primary care. 34 In a study of the electronic health record data from an academic university hospital demonstrated that after an adjacent county mental health treatment center decreased its inpatient psychiatric units and closed its outpatient unit, ED visits of psychiatric patients significantly increased. 70 It is clear that having health insurance may not necessarily lead to having access to medical and/or mental health services. The lack of mental health services may be a contributing factor for the ED admissions of psychiatric patients.

The ACA included provisions to expand access to primary care by training primary care physicians by shifting the Federal funding for training specialists; increasing payment for primary care physicians for Medicare and Medicaid patients, and supporting a new model of primary care named the patient-centered medical home (PCMH). The ACA also included provisions for Federal funding to the National Health Services Corp to support a medical education loan repayment plan for primary care

physicians to practice in rural or inner cities where there are shortages of medical providers. The PCMH was intended to be "a team of providers, including physicians, allied professionals such as nurse practitioners or physician's assistants, as well as support personnel with a range of professional skills." ⁷¹ In addition to increasing the health insurance coverage, the ACA required mental health and substance use treatment and services as part of the essential health benefits and provided funding for mental disorders in primary care and public mental health services including community mental health centers.⁷² Alakeson et al.,⁷³ were concerned with the PCMH concept which centered primary care as the core of integrated care for patients with severe psychiatric disorders such as major depressive disorders, schizophrenia or bipolar disorders. These patients are very sick, may not have health insurance, and those with health insurance do not see a primary care provider or have an established relationship with a primary care provider. Among the patients who seek care, they receive care through mental health specialists or clinics where they built relationships with specialty providers rather than primary care providers. The treatment of these patients needs to be managed for the side effects of their psychiatric medications and their medical condition(s). They suggested an integrated health care model where primary care and specialty medical care, such as mental health services are co-located in one place.⁷³ The ACA Federal incentive payment plan may apply to medical and public community mental health services, but it may not provide the same incentives for private medical and mental health services.

Through the ACA, more people who were previously uninsured, gained access to health insurance. However, people with health insurance may not be able to seek medical or psychiatric care, either not having access or may not be able to afford the out of pocket costs of treatment, medical and/or psychiatric office visits, prescriptions

or other treatments. Patients should have a coordinated or an integrated care of medical and psychiatric care. Insufficient or lack of funding of mental health services may lead to a reduction or closure of services. Inadequate public community mental health services or private mental health services that do not accept all types of health insurance, may limit access to mental health services. If patients with psychiatric conditions present to ED with medical and/or psychiatric emergency, EDs should have capabilities to treat both medical and psychiatric conditions. Psychiatric patients may have psychiatric emergency and should have access to psychiatric emergency department. General hospitals should have both general ED for medical emergency and psychiatric ED. Patients with medical and/or psychiatric conditions should properly be treated in the ED or transferred to another facilities for treatment of emergency conditions. The EDs have the opportunity to screen for psychiatric conditions, in particular for patients with undiagnosed psychiatric disorders, but it would require physicians and nurses with training in psychiatric care. Since the U.S. healthcare system is fragmented, an integrated primary and mental health care facility may reduce patient's office and/or ED visits and ultimately reduce the burden to the EDs and health care costs.

5.3 Strengths and Limitation

The NEDS databases, the largest all payers discharge data from emergency department visits, were utilized for this study. The NEDS data is a 20% stratified sample of at least 950 U.S. hospitals from 36 participating States and the District of Columbia. The database has over 28 million visits for each year and presents robust national estimates for these analyses. Although the sampling strategy of NEDS included government, non-Federal (public), private not-for-profit and private investor hospitals,

it did not include Federal hospitals such as Veteran's Administration, Department of Defense, and Indian Health Service hospitals. Since the NEDS database did not have the ED visits from Federal hospitals, another study that includes the emergency department data from Federal hospitals for patients with psychiatric conditions would be beneficial. This would provide emergency department data for all hospitals types for comprehensive national level estimates.⁶⁶

This study focused on adults aged 18-64 with at least one psychiatric diagnosis either the primary or secondary diagnosis. In the 2017 NSDUH survey, approximately 62% of adults (≥18) had any psychiatric disorders with 50% among adults aged 18-49. Although the majority of ED visits were for adults aged 18-64, understanding the psychiatric-related ED visits for all age groups, children, adolescents, adults 18-64 and older adults (age >= 65) provides an overall psychiatric-related ED visits across all ages groups. This information might be useful for health policy and the need of access to mental health services for all age groups.

5.4 Next steps - Future Research

This research focused on all adult patients aged 18-64 with at least one psychiatric diagnosis admitted to ED as either a primary or a secondary diagnosis. In future research, patients with the primary diagnosis of psychiatric disorder for various age groups <18, 18-64 and ≥65 may provide a broader perspective of the need of psychiatric patients and their access to mental health services. Having health insurance may not necessarily provide access to mental health services. Barriers to access to mental health care and the availability of mental health services should be evaluated. Health policy for mental health services should be designed with understanding of

psychiatric patients' needs and preferences for treatment along with clinical psychiatric expertise, which impacts the patients' treatment outcomes.

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APPENDICES

Appendix A NEDS Data Elements

Abbreviations: DX, diagnosis; PR, procedure; Q1, discharge quarter 1; Q3, discharge quarter 3; Q4, discharge quarter 4.66

Data Element	Descriptive Title	Years	File(s)
AGE	Age in years at admission	2006-2016	Core
AMONTH	Admission month	2006-2016	Core
AWEEKEND	Admission day is on a weekend	2006-2016	Core
CHRONn	ICD-9-CM Chronic Condition Indicators	2006-2015 Q3	Core, Supplemental ED for 2015
CPTCCSn	Clinical Classifications Software (CCS): services and procedures classification	2008-2016	Supplemental ED
CPTn	CPT-4/HCPCS procedures	2006-2016	Supplemental ED
DIED_VISIT	Died in the ED, died in the hospital, or did not die	2006-2016	Core
DISCWT	Weight to discharges in the universe	2006-2016	Core, Hospital, Supplemental ED
DISP_ED	Disposition from ED	2006-2016	Core
DISP_IP	Disposition from inpatient discharge record	2006-2016	Supplemental Inpatient
DQTR	Discharge quarter	2006-2016	Core
DRG	DRG in use on discharge date	2006-2016	Supplemental Inpatient
DRG_NoPOA	DRG in use on discharge date, calculated without POA	2008-2016	Supplemental Inpatient
DRGVER	DRG or MS-DRG grouper version used on discharge date	2006-2016	Supplemental Inpatient
DXCCSn	Clinical Classifications Software (CCS): ICD-9-CM diagnosis classification	2006-2015 Q3	Core, Supplemental ED for 2015
DXn	ICD-9-CM Diagnosis	2006-2015 Q3	Core, Supplemental ED for 2015
DXVER	Diagnosis codes ICD version indicator	2015-2016	Core, Supplemental ED for 2015
E_CCSn	Clinical Classifications Software (CCS) for ICD-9-CM External Cause of Injury Code	2006-2015 Q3	Core, Supplemental ED & Inpatient for 2015
ECODEn	ICD-9-CM External Cause of Injury Code	2006-2015 Q3	Core, Supplemental ED & Inpatient for 2015
EDevent	Type of ED event	2006-2016	Core
FEMALE	Indicator of se	2006-2016	Core
HCUPFILE	Source of HCUP Record (SID or SEDD)	2006-2016	Core, Supplemental ED & Inpatient, prior to 2011
HOSP_CONTROL	Control/ownership of hospital	2006-2016	Hospital
HOSP_ED	HCUP ED hospital identifier	2006-2016	Core, Hospital, Supplemental ED, & Inpatient
HOSP_REGION	Region of hospital	2006-2016	Core (prior to 2011), Hospital
HOSP_TRAUMA	Hospital trauma level designation	2006-2016	Hospital
HOSP_UR_TEACH	Teaching status of hospital	2006-2016	Hospital
HOSP_URCAT4	Hospital urban-rural designation	2006-2016	Hospital
HOSPWT	Weight to hospitals in the universe	2006-2016	Hospital
I10_DXn	ICD-10-CM Diagnosis	2015-2016	Core, Supplemental ED, & Inpatient for 2015
I10_ECAUSEn	ICD-10-CM External Cause of Morbidity Code	2015-2016	Core, Supplemental ED, & Inpatient for 2015
I10_NDX	Number of ICD-10-CM diagnoses on this discharge	2015-2016	Core, Supplemental ED, & Inpatient for 2015
I10_NECAUSE	Number of ICD-10-CM External Cause of Morbidity codes on this record	2015-2016	Core, Supplemental ED, & Inpatient for 2015
I10_NPR_IP	Number of procedures on the ED admission record	2015-2016	Supplemental ED, & Inpatient for 2015
I10_PR_IPn	ICD-10-PCS procedure code	2015-2016	Supplemental ED, & Inpatient for 2015

Data Element	Descriptive Title	Years	File(s)
INJURY	Injury ICD-9-CM diagnosis reported on	2009-2015 Q3	Core, Supplemental ED,
	record		& Inpatient for 2015
INJURY_CUT	Injury by cutting or piercing	2009-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
INJURY_DROWN	Injury by drowning or submersion	2009-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
INJURY_FALL	Injury by falling	2009-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
INJURY_FIRE	Injury by fire, flame, or hot object	2009-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
INJURY_FIREARM	Injury by firearm	2009-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
INJURY_MACHINERY	Injury by machinery	2009-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
INJURY_MVT	Injury by motor vehicle traffic, including the occupant of a car, motorcyclist, pedal cyclist, pedestrian, or unspecified person	2009-2015 Q3	Core, Supplemental ED for 2015
INJURY_NATURE	Injury involving natural or environmental causes, including bites and stings	2009-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
INJURY_POISON	Injury by poisoning	2009-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
INJURY_SEVERITY	Injury severity score assigned by ICDPIC Stata program	2009-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
INJURY_STRUCK	Injury involving being struck by or against something	2009-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
INJURY_SUFFOCATION	Injury by suffocation	2009-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
INTENT_ASSAULT	Injury by assault	2009-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
INTENT_SELF_HARM	Intentional self-harm indicated on the record (by diagnosis and/or E codes)	2006-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
INTENT_UNINTENTIONAL	Injury was unintentional	2009-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
KEY_ED	HCUP NEDS record identifier	2006-2016	Core, Supplemental ED, Supplemental Inpatient
LOS_IP	Length of stay for inpatient stay	2006-2016	Supplemental Inpatient
MDC	MDC in effect on discharge date	2006-2016	Supplemental Inpatient
MDC_NoPOA	MDC in use on discharge date, calculated without POA	2009-2016	Supplemental Inpatient
MULTINJURY	Multiple ICD-9-CM injuries reported	2009-2015	Core, Supplemental ED, & Inpatient for 2015
N_DISC_U	Number of discharges in the universe for the stratum	2006-2016	Hospital
N_HOSP_U	Number of hospitals in the universe for the stratum	2006-2016	Hospital
NCPT	Number of CPT/HCPCS procedures for this discharge	2006-2016	Supplemental ED
NDX	Number of ICD-9-CM diagnoses on this discharge	2006-2015 Q3	Core, Supplemental ED, & Inpatient for 2015
NECODE	Number of ICD-9-CM External of Cause of Injury Codes on this Record	2006-2015 Q3	Core, Supplemental ED, & Inpatient for 2015)
NEDS_STRATUM	Stratum used to sample hospital	2006-2016	Core, Hospital
NPR_ED	Number of procedures on the ED record	2006-2014	Supplemental ED
NPR_IP	Number of procedures on the ED inpatient record	2006-2015	Supplemental Inpatient
PAY1	Expected primary payer, uniform	2006-2016	Core
PAY2	Expected secondary payer, uniform	2006-2016	Core
PCLASS_EDn PCLASS_IPn	Procedure class Procedure class	2006-2014 2006-2015 Q3	Supplemental ED Supplemental Inpatient
PL_NCHS	Patient Location: NCHS Urban-Rural Code	2006-2013 Q3 2013-2016	Core
PL_NCHS2006	Patient Location: NCHS Urban-Rural Code, 2006	2006-2012	Core
PR_EDn	ICD-9-CM procedure code	2006-2014	Supplemental ED
PR_IPn	ICD-9-CM procedure code	2006-2014 2006-2015 Q3	Supplemental Inpatient
PRCCS_EDn	Clinical Classifications Software (CCS): procedure classification	2006-2014	Supplemental ED
PRCCS_IPn	Clinical Classifications Software (CCS): procedure classification	2006-2015 Q3	Supplemental Inpatient
PRVER	Procedure codes ICD version indicator	2015-2016	Supplemental Inpatient

Data Element	Descriptive Title	Years	File(s)
S_DISC_U	Number of discharges in the sample for the	2006-2016	Hospital
	stratum		
S_HOSP_U	Number of hospitals in the sample for the	2006-2016	Hospital
	stratum		
TOTAL_ED	Total number of ED visits from this hospital	2006-2016	Hospital
	in the NEDS		
TOTCHG_ED	Total charge for ED services	2006-2016	Core
TOTCHG_IP	Total charge for ED and inpatient services	2006-2016	Supplemental Inpatient
YEAR	Calendar year	2006-2016	Core, Hospital
ZIPINC_QRTL	Median household income for patient's ZIP	2006-2016	Core
	Code (based on current year)		

Appendix B Mapping of ICD-9-CM to ICD-10-CM

Mapping of ICD-9 to ICD-10 using the MAPIT Quality Toolkits.⁶⁹

ICD-9	YCD O.D.	Map	ICD-10	IOD 10 D
Code	ICD-9 Description	Type	Code	ICD-10 Description
				Unspecified dementia without behavioral
290.0	Senile dementia, uncomplicated	F Map	F03.90	disturbance
200.40				Unspecified dementia without behavioral
290.10	Presenile dementia, uncomplicated	F Map	F03.90	disturbance
200.44				Unspecified dementia without behavioral
290.11	Presenile dementia with delirium	F Map	F03.90	disturbance
	Presenile dementia with delusional			Unspecified dementia without behavioral
290.12	features	F Map	F03.90	disturbance
	Presenile dementia with delusional			
290.12	features	F Map	F05.	Delirium due to known physiological condition
	Presenile dementia with depressive			Unspecified dementia without behavioral
290.13	features	F Map	F03.90	disturbance
	Senile dementia with delusional			Unspecified dementia without behavioral
290.20	features	F Map	F03.90	disturbance
200.20	Senile dementia with delusional		70.5	
290.20	features	F Map	F05.	Delirium due to known physiological condition
	Senile dementia with depressive			Unspecified dementia without behavioral
290.21	features	F Map	F03.90	disturbance
				Unspecified dementia without behavioral
290.3	Senile dementia with delirium	F Map	F03.90	disturbance
290.3	Senile dementia with delirium	F Map	F05.	Delirium due to known physiological condition
				Vascular dementia without behavioral
290.40	Vascular dementia, uncomplicated	F Map	F01.50	disturbance
290.41	Vascular dementia, with delirium	F Map	F01.51	Vascular dementia with behavioral disturbance
290.42	Vascular dementia, with delusions	F Map	F01.51	Vascular dementia with behavioral disturbance
	Vascular dementia, with depressed			
290.43	mood	F Map	F01.51	Vascular dementia with behavioral disturbance
	Other specified senile psychotic			Unspecified dementia without behavioral
290.8	conditions	F Map	F03.90	disturbance
	Unspecified senile psychotic			Unspecified dementia without behavioral
290.9	condition	F Map	F03.90	disturbance
291.0	Alcohol withdrawal delirium	RB Map	F10.121	Alcohol abuse with intoxication delirium
291.0	Alcohol withdrawal delirium	RB Map	F10.221	Alcohol dependence with intoxication delirium
291.0	Alcohol withdrawal delirium	F Map	F10.231	Alcohol dependence with withdrawal delirium
				Alcohol use, unspecified with intoxication
291.0	Alcohol withdrawal delirium	RB Map	F10.921	delirium
	Alcohol-induced persisting amnestic			Alcohol dependence with alcohol-induced
291.1	disorder	RB Map	F10.26	persisting amnestic disorder
	Alcohol-induced persisting amnestic			Alcohol use, unspecified with alcohol-induced
291.1	disorder	F Map	F10.96	persisting amnestic disorder
	Alcohol-induced persisting amnestic			Alcohol use, unspecified with alcohol-induced
291.1	disorder	RB Map	F10.97	persisting dementia
				Alcohol dependence with alcohol-induced
291.2	Alcohol-induced persisting dementia	F Map	F10.27	persisting dementia
	Alcohol-induced psychotic disorder			Alcohol abuse with alcohol-induced psychotic
291.3	with hallucinations	RB Map	F10.151	disorder with hallucinations
	Alcohol-induced psychotic disorder			Alcohol dependence with alcohol-induced
291.3	with hallucinations	RB Map	F10.251	psychotic disorder with hallucinations
	Alcohol-induced psychotic disorder			Alcohol use, unspecified with alcohol-induced
291.3	with hallucinations	F Map	F10.951	psychotic disorder with hallucinations
				Alcohol use, unspecified with intoxication,
201.4	Idiosyncratic alcohol intoxication	RB Map	F10.920	uncomplicated
291.4				Alcohol use, unspecified with intoxication,
291.4				
291.4	Idiosyncratic alcohol intoxication	F Map	F10.929	unspecified
		F Map	F10.929	unspecified Alcohol abuse with alcohol-induced psychotic
	Idiosyncratic alcohol intoxication	F Map	F10.929 F10.150	
291.4	Idiosyncratic alcohol intoxication Alcohol-induced psychotic disorder			Alcohol abuse with alcohol-induced psychotic
291.4	Idiosyncratic alcohol intoxication Alcohol-induced psychotic disorder with delusions			Alcohol abuse with alcohol-induced psychotic disorder with delusions
291.4 291.5	Idiosyncratic alcohol intoxication Alcohol-induced psychotic disorder with delusions Alcohol-induced psychotic disorder with delusions	RB Map	F10.150	Alcohol abuse with alcohol-induced psychotic disorder with delusions Alcohol dependence with alcohol-induced
291.4 291.5	Idiosyncratic alcohol intoxication Alcohol-induced psychotic disorder with delusions Alcohol-induced psychotic disorder	RB Map	F10.150	Alcohol abuse with alcohol-induced psychotic disorder with delusions Alcohol dependence with alcohol-induced psychotic disorder with delusions
291.4 291.5 291.5	Idiosyncratic alcohol intoxication Alcohol-induced psychotic disorder with delusions Alcohol-induced psychotic disorder with delusions Alcohol-induced psychotic disorder	RB Map	F10.150 F10.250	Alcohol abuse with alcohol-induced psychotic disorder with delusions Alcohol dependence with alcohol-induced psychotic disorder with delusions Alcohol use, unspecified with alcohol-induced psychotic disorder with delusions
291.4 291.5 291.5	Idiosyncratic alcohol intoxication Alcohol-induced psychotic disorder with delusions Alcohol-induced psychotic disorder with delusions Alcohol-induced psychotic disorder	RB Map	F10.150 F10.250	Alcohol abuse with alcohol-induced psychotic disorder with delusions Alcohol dependence with alcohol-induced psychotic disorder with delusions Alcohol use, unspecified with alcohol-induced
291.4 291.5 291.5 291.5	Idiosyncratic alcohol intoxication Alcohol-induced psychotic disorder with delusions Alcohol-induced psychotic disorder with delusions Alcohol-induced psychotic disorder with delusions	RB Map RB Map F Map	F10.150 F10.250 F10.950	Alcohol abuse with alcohol-induced psychotic disorder with delusions Alcohol dependence with alcohol-induced psychotic disorder with delusions Alcohol use, unspecified with alcohol-induced psychotic disorder with delusions Alcohol dependence with withdrawal,

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description
291.81	Alcohol withdrawal	F Map	F10.239	Alcohol dependence with withdrawal, unspecified
201.92	Alcohol induced sleep disorders	EMon	F10.182	Alcohol abuse with alcohol-induced sleep
291.82	Alcohol induced sleep disorders	F Map	F10.182	disorder Alcohol dependence with alcohol-induced sleep
291.82	Alcohol induced sleep disorders	F Map	F10.282	disorder
291.82	Alcohol induced sleep disorders	F Map	F10.982	Alcohol use, unspecified with alcohol-induced sleep disorder
201.00	Other alcohol-induced mental	DD 14	E10.14	Alcohol abuse with alcohol-induced mood
291.89	disorders	RB Map	F10.14	disorder
	Other alcohol-induced mental			Alcohol abuse with alcohol-induced psychotic
291.89	disorders	F Map	F10.159	disorder, unspecified
291.89	Other alcohol-induced mental disorders	F Map	F10.180	Alcohol abuse with alcohol-induced anxiety disorder
291.09	Other alcohol-induced mental	1 Wap	110.160	Alcohol abuse with alcohol-induced sexual
291.89	disorders	F Map	F10.181	dysfunction
291.89	Other alcohol-induced mental disorders	F Map	E10 100	Alcohol abuse with other alcohol-induced disorder
291.89	Other alcohol-induced mental	r Map	F10.188	Alcohol dependence with alcohol-induced
291.89	disorders	RB Map	F10.24	mood disorder
201.00	Other alcohol-induced mental	E24	E10.250	Alcohol dependence with alcohol-induced
291.89	disorders Other alcohol-induced mental	F Map	F10.259	psychotic disorder, unspecified Alcohol dependence with alcohol-induced
291.89	disorders	F Map	F10.280	anxiety disorder
	Other alcohol-induced mental			Alcohol dependence with alcohol-induced
291.89	disorders	F Map	F10.281	sexual dysfunction Alcohol dependence with other alcohol-induced
291.89	Other alcohol-induced mental disorders	F Map	F10.288	disorder
201.00	Other alcohol-induced mental	EM	E10.050	Alcohol use, unspecified with alcohol-induced
291.89	disorders Other alcohol-induced mental	F Map	F10.959	psychotic disorder, unspecified Alcohol use, unspecified with alcohol-induced
291.89	disorders	F Map	F10.980	anxiety disorder
291.89	Other alcohol-induced mental disorders	RB Map	F10.981	Alcohol use, unspecified with alcohol-induced sexual dysfunction
201.00	Other alcohol-induced mental	DD 14	E10.000	Alcohol use, unspecified with other alcohol-
291.89	disorders Unspecified alcohol-induced mental	RB Map	F10.988	induced disorder Alcohol abuse with unspecified alcohol-induced
291.9	disorders	RB Map	F10.19	disorder
291.9	Unspecified alcohol-induced mental disorders	RB Map	F10.29	Alcohol dependence with unspecified alcohol- induced disorder
201.0	Unspecified alcohol-induced mental	DD M	E10.04	Alcohol use, unspecified with alcohol-induced
291.9	disorders Unspecified alcohol-induced mental	RB Map	F10.94	mood disorder Alcohol use, unspecified with unspecified
291.9	disorders	F Map	F10.99	alcohol-induced disorder
292.0	Drug withdrawal	RB Map	F11.23	Opioid dependence with withdrawal
292.0	Drug withdrawal	RB Map	F11.93	Opioid use, unspecified with withdrawal Sedative, hypnotic or anxiolytic dependence
292.0	Drug withdrawal	RB Map	F13.230	with withdrawal, uncomplicated
				Sedative, hypnotic or anxiolytic dependence
292.0	Drug withdrawal	RB Map	F13.231	with withdrawal delirium
292.0	Drug withdrawal	RB Map	F13.232	Sedative, hypnotic or anxiolytic dependence with withdrawal with perceptual disturbance
2,2.0		1.22 1711117	110.202	Sedative, hypnotic or anxiolytic dependence
292.0	Drug withdrawal	RB Map	F13.239	with withdrawal, unspecified Sedative, hypnotic or anxiolytic use,
292.0	Drug withdrawal	RB Map	F13.930	unspecified with withdrawal, uncomplicated
202.0	Drug withdrawal	DD M	E12 021	Sedative, hypnotic or anxiolytic use,
292.0	Drug withdrawal	RB Map	F13.931	unspecified with withdrawal delirium Sedative, hypnotic or anxiolytic use,
				unspecified with withdrawal with perceptual
292.0	Drug withdrawal	RB Map	F13.932	disturbances
292.0	Drug withdrawal	RB Map	F13.939	Sedative, hypnotic or anxiolytic use, unspecified with withdrawal, unspecified
292.0	Drug withdrawal Drug withdrawal	RB Map	F13.939 F14.23	Cocaine dependence with withdrawal
292.0	Drug withdrawal	RB Map	F15.23	Other stimulant dependence with withdrawal
202.0	Down with down	DD 34	E15.02	Other stimulant use, unspecified with
292.0	Drug withdrawal	RB Map	F15.93	withdrawal

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description
292.0	Drug withdrawal	RB Map	F17.203	Nicotine dependence unspecified, with withdrawal
292.0	Drug withdrawal	RB Map	F17.213	Nicotine dependence, cigarettes, with withdrawal
292.0	Drug withdrawal	RB Map	F17.223	Nicotine dependence, chewing tobacco, with withdrawal
292.0	Drug withdrawal	RB Map	F17.293	Nicotine dependence, other tobacco product, with withdrawal
292.0	Drug withdrawal	RB Map	F19.230	Other psychoactive substance dependence with withdrawal, uncomplicated
292.0	Drug withdrawal	RB Map	F19.231	Other psychoactive substance dependence with withdrawal delirium
292.0	Drug withdrawal	RB Map	F19.232	Other psychoactive substance dependence with withdrawal with perceptual disturbance
292.0	Drug withdrawal	RB Map	F19.239	Other psychoactive substance dependence with withdrawal, unspecified
292.0	Drug withdrawal	RB Map	F19.930	Other psychoactive substance use, unspecified with withdrawal, uncomplicated
292.0	Drug withdrawal	RB Map	F19.931	Other psychoactive substance use, unspecified with withdrawal delirium
292.0	Drug withdrawal	RB Map	F19.932	Other psychoactive substance use, unspecified with withdrawal with perceptual disturbance
292.0	Drug withdrawal	F Map	F19.939	Other psychoactive substance use, unspecified with withdrawal, unspecified
292.11	Drug-induced psychotic disorder with delusions	RB Map	F11.150	Opioid abuse with opioid-induced psychotic disorder with delusions
292.11	Drug-induced psychotic disorder with delusions	RB Map	F11.250	Opioid dependence with opioid-induced psychotic disorder with delusions
292.11	Drug-induced psychotic disorder with delusions	RB Map	F11.950	Opioid use, unspecified with opioid-induced psychotic disorder with delusions
292.11	Drug-induced psychotic disorder with delusions	RB Map	F12.150	Cannabis abuse with psychotic disorder with delusions
292.11	Drug-induced psychotic disorder with delusions	RB Map	F12.250	Cannabis dependence with psychotic disorder with delusions
292.11	Drug-induced psychotic disorder with delusions	RB Map	F12.950	Cannabis use, unspecified with psychotic disorder with delusions
202.11	Drug-induced psychotic disorder	22.14	F12.150	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced
292.11	with delusions	RB Map	F13.150	psychotic disorder with delusions Sedative, hypnotic or anxiolytic dependence
292.11	Drug-induced psychotic disorder with delusions	RB Map	F13.250	with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions
2,2,11	With defaulting	TO MAD	110.200	Sedative, hypnotic or anxiolytic use,
292.11	Drug-induced psychotic disorder with delusions	RB Map	F13.950	unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions
	Drug-induced psychotic disorder	•		Cocaine abuse with cocaine-induced psychotic
292.11	with delusions Drug-induced psychotic disorder	RB Map	F14.150	disorder with delusions Cocaine dependence with cocaine-induced
292.11	with delusions Drug-induced psychotic disorder	RB Map	F14.250	psychotic disorder with delusions Cocaine use, unspecified with cocaine-induced
292.11	with delusions	RB Map	F14.950	psychotic disorder with delusions Other stimulant abuse with stimulant-induced
292.11	Drug-induced psychotic disorder with delusions	RB Map	F15.150	psychotic disorder with delusions
292.11	Drug-induced psychotic disorder with delusions	RB Map	F15.250	Other stimulant dependence with stimulant- induced psychotic disorder with delusions
292.11	Drug-induced psychotic disorder with delusions	RB Map	F15.950	Other stimulant use, unspecified with stimulant-induced psychotic disorder with delusions
292.11	Drug-induced psychotic disorder with delusions	RB Map	F16.150	Hallucinogen abuse with hallucinogen-induced psychotic disorder with delusions
292.11	Drug-induced psychotic disorder with delusions	RB Map	F16.250	Hallucinogen dependence with hallucinogen- induced psychotic disorder with delusions
	Drug-induced psychotic disorder			Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder with
292.11	with delusions Drug-induced psychotic disorder	RB Map	F16.950	delusions Inhalant abuse with inhalant-induced psychotic
292.11	with delusions Drug-induced psychotic disorder	RB Map	F18.150	disorder with delusions Inhalant dependence with inhalant-induced
292.11	with delusions	RB Map	F18.250	psychotic disorder with delusions

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description
292.11	Drug-induced psychotic disorder with delusions	RB Map	F18.950	Inhalant use, unspecified with inhalant-induced psychotic disorder with delusions
2)2.11	with defusions	KD Wap	110.730	Other psychoactive substance abuse with
	Drug-induced psychotic disorder			psychoactive substance-induced psychotic
292.11	with delusions	RB Map	F19.150	disorder with delusions
				Other psychoactive substance dependence with
202.11	Drug-induced psychotic disorder	DD Mon	E10.250	psychoactive substance-induced psychotic
292.11	with delusions	RB Map	F19.250	disorder with delusions Other psychoactive substance use, unspecified
	Drug-induced psychotic disorder			with psychoactive substance-induced psychotic
292.11	with delusions	F Map	F19.950	disorder with delusions
202.42	Drug-induced psychotic disorder	22.16	T	Opioid abuse with opioid-induced psychotic
292.12	with hallucinations	RB Map	F11.151	disorder with hallucinations Opioid dependence with opioid-induced
	Drug-induced psychotic disorder			psychotic disorder with hallucinations
292.12	with hallucinations	RB Map	F11.251	psycholic disorder with nandemations
	Drug-induced psychotic disorder			Opioid use, unspecified with opioid-induced
292.12	with hallucinations	RB Map	F11.951	psychotic disorder with hallucinations
202.12	Drug-induced psychotic disorder	DD M	F12.151	Cannabis abuse with psychotic disorder with hallucinations
292.12	with hallucinations Drug-induced psychotic disorder	RB Map	F12.151	Cannabis dependence with psychotic disorder
292.12	with hallucinations	RB Map	F12.251	with hallucinations
	Drug-induced psychotic disorder			Cannabis use, unspecified with psychotic
292.12	with hallucinations	RB Map	F12.951	disorder with hallucinations
	B			Sedative, hypnotic or anxiolytic abuse with
292.12	Drug-induced psychotic disorder with hallucinations	RB Map	F13.151	sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations
2)2.12	with nandemations	KD Map	113.131	Sedative, hypnotic or anxiolytic dependence
	Drug-induced psychotic disorder			with sedative, hypnotic or anxiolytic-induced
292.12	with hallucinations	RB Map	F13.251	psychotic disorder with hallucinations
				Sedative, hypnotic or anxiolytic use,
	Drug-induced psychotic disorder			unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder with
292.12	with hallucinations	RB Map	F13.951	hallucinations
	Drug-induced psychotic disorder	•		Cocaine abuse with cocaine-induced psychotic
292.12	with hallucinations	RB Map	F14.151	disorder with hallucinations
202.12	Drug-induced psychotic disorder	DD M	E14 051	Cocaine dependence with cocaine-induced
292.12	with hallucinations Drug-induced psychotic disorder	RB Map	F14.251	psychotic disorder with hallucinations Cocaine use, unspecified with cocaine-induced
292.12	with hallucinations	RB Map	F14.951	psychotic disorder with hallucinations
	Drug-induced psychotic disorder			Other stimulant abuse with stimulant-induced
292.12	with hallucinations	RB Map	F15.151	psychotic disorder with hallucinations
292.12	Drug-induced psychotic disorder with hallucinations	RB Map	F15.251	Other stimulant dependence with stimulant- induced psychotic disorder with hallucinations
292.12	Drug-induced psychotic disorder	KD Map	113.231	Other stimulant use, unspecified with stimulant-
292.12	with hallucinations	RB Map	F15.951	induced psychotic disorder with hallucinations
	Drug-induced psychotic disorder			Hallucinogen abuse with hallucinogen-induced
292.12	with hallucinations	RB Map	F16.151	psychotic disorder with hallucinations
292.12	Drug-induced psychotic disorder with hallucinations	RB Map	F16.251	Hallucinogen dependence with hallucinogen- induced psychotic disorder with hallucinations
2)2.12	with nandemations	KD Map	110.231	Hallucinogen use, unspecified with
	Drug-induced psychotic disorder			hallucinogen-induced psychotic disorder with
292.12	with hallucinations	RB Map	F16.951	hallucinations
202.12	Drug-induced psychotic disorder	DD M	E10 151	Inhalant abuse with inhalant-induced psychotic
292.12	with hallucinations Drug-induced psychotic disorder	RB Map	F18.151	disorder with hallucinations Inhalant dependence with inhalant-induced
292.12	with hallucinations	RB Map	F18.251	psychotic disorder with hallucinations
	Drug-induced psychotic disorder			Inhalant use, unspecified with inhalant-induced
292.12	with hallucinations	RB Map	F18.951	psychotic disorder with hallucinations
	David in divided in section 2. 12. 1			Other psychoactive substance abuse with
292.12	Drug-induced psychotic disorder with hallucinations	RB Map	F19.151	psychoactive substance-induced psychotic disorder with hallucinations
272.12	With Hallacinations	ICD Map	11/.1/1	Other psychoactive substance dependence with
	Drug-induced psychotic disorder			psychoactive substance-induced psychotic
292.12	with hallucinations	RB Map	F19.251	disorder with hallucinations
	B			Other psychoactive substance use, unspecified
292.12	Drug-induced psychotic disorder with hallucinations	F Man	F19.951	with psychoactive substance-induced psychotic disorder with hallucinations
474.14	with nanucinations	F Map	1.12.231	Opioid dependence with intoxication,
292.2	Pathological drug intoxication	RB Map	F11.220	uncomplicated

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description Opioid dependence with intoxication,
292.2	Pathological drug intoxication	RB Map	F11.229	unspecified
292.2	Pathological drug intoxication	RB Map	F11.920	Opioid use, unspecified with intoxication, uncomplicated
2)2.2	Tuthological drug intoxication	KB Map	111.720	Opioid use, unspecified with intoxication,
292.2	Pathological drug intoxication	RB Map	F11.929	unspecified
292.2	Pathological drug intoxication	RB Map	F12.120	Cannabis abuse with intoxication, uncomplicated
292.2	Pathological drug intoxication	RB Map	F12.120	Cannabis abuse with intoxication, unspecified
		•		Cannabis dependence with intoxication,
292.2	Pathological drug intoxication	RB Map	F12.220	uncomplicated Cannabis dependence with intoxication,
292.2	Pathological drug intoxication	RB Map	F12.229	unspecified
				Cannabis use, unspecified with intoxication,
292.2	Pathological drug intoxication	RB Map	F12.920	uncomplicated Cannabis use, unspecified with intoxication,
292.2	Pathological drug intoxication	RB Map	F12.929	unspecified with intoxication,
				Sedative, hypnotic or anxiolytic abuse with
292.2	Pathological drug intoxication	RB Map	F13.129	intoxication, unspecified
292.2	Pathological drug intoxication	RB Map	F13.220	Sedative, hypnotic or anxiolytic dependence with intoxication, uncomplicated
				Sedative, hypnotic or anxiolytic dependence
292.2	Pathological drug intoxication	RB Map	F13.229	with intoxication, unspecified
292.2	Pathological drug intoxication	RB Map	F13.920	Sedative, hypnotic or anxiolytic use, unspecified with intoxication, uncomplicated
2,2,2	Tuniorogram drug mionicumon	TtD Titup	110.020	Sedative, hypnotic or anxiolytic use,
292.2	Pathological drug intoxication	RB Map	F13.929	unspecified with intoxication, unspecified
292.2	Pathological drug intoxication	RB Map	F14.129	Cocaine abuse with intoxication, unspecified Cocaine dependence with intoxication,
292.2	Pathological drug intoxication	RB Map	F14.220	uncomplicated
202.2		22.16	F1 4 220	Cocaine dependence with intoxication,
292.2	Pathological drug intoxication	RB Map	F14.229	unspecified Cocaine use, unspecified with intoxication,
292.2	Pathological drug intoxication	RB Map	F14.920	uncomplicated
202.2	Balanda in the same	DD M	E14.020	Cocaine use, unspecified with intoxication,
292.2	Pathological drug intoxication	RB Map	F14.929	unspecified Other stimulant abuse with intoxication,
292.2	Pathological drug intoxication	RB Map	F15.129	unspecified
202.2	Dath -1i1 down intoiti	DD M	E15 220	Other stimulant dependence with intoxication,
292.2	Pathological drug intoxication	RB Map	F15.220	uncomplicated Other stimulant dependence with intoxication,
292.2	Pathological drug intoxication	RB Map	F15.229	unspecified
202.2		EM	E15 000	Other stimulant use, unspecified with
292.2	Pathological drug intoxication	F Map	F15.920	intoxication, uncomplicated Other stimulant use, unspecified with
292.2	Pathological drug intoxication	RB Map	F15.929	intoxication, unspecified
202.2	Dethalasiaal dura intervientian	DD M	E16 120	Hallucinogen abuse with intoxication,
292.2	Pathological drug intoxication	RB Map	F16.129	unspecified Hallucinogen dependence with intoxication,
292.2	Pathological drug intoxication	RB Map	F16.220	uncomplicated
202.2	Dath -1i1 down intoiti	DD M	E16 220	Hallucinogen dependence with intoxication,
292.2	Pathological drug intoxication	RB Map	F16.229	unspecified Hallucinogen use, unspecified with intoxication,
292.2	Pathological drug intoxication	RB Map	F16.920	uncomplicated
202.2	Doth alogical dwg interview	DD M	E16 000	Hallucinogen use, unspecified with intoxication, unspecified
292.2 292.2	Pathological drug intoxication Pathological drug intoxication	RB Map	F16.929 F18.120	Inhalant abuse with intoxication, uncomplicated
292.2	Pathological drug intoxication	RB Map	F18.129	Inhalant abuse with intoxication, unspecified
202.2	Dedicted to the training	DD M	E10.000	Inhalant dependence with intoxication,
292.2	Pathological drug intoxication	RB Map	F18.220	uncomplicated Inhalant dependence with intoxication,
292.2	Pathological drug intoxication	RB Map	F18.229	unspecified
202.2	Doth closical dwg interiories	DD M	E10.000	Inhalant use, unspecified with intoxication,
292.2	Pathological drug intoxication	RB Map	F18.920	uncomplicated Inhalant use, unspecified with intoxication,
292.2	Pathological drug intoxication	RB Map	F18.929	unspecified
202.2	Dedicted to the training	DD M	E10 100	Other psychoactive substance abuse with
292.2	Pathological drug intoxication	RB Map	F19.129	intoxication, unspecified

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description
				Other psychoactive substance dependence with
292.2	Pathological drug intoxication	RB Map	F19.220	intoxication, uncomplicated
292.2	Pathological drug intovigation	RB Map	F19.229	Other psychoactive substance dependence with intoxication, unspecified
292.2	Pathological drug intoxication	KD Map	F19.229	Other psychoactive substance use, unspecified
292.2	Pathological drug intoxication	RB Map	F19.920	with intoxication, uncomplicated
2>2.2	Tumorogram drug micomenton	TtD Iviup	115.520	Other psychoactive substance use, unspecified
292.2	Pathological drug intoxication	RB Map	F19.929	with intoxication, unspecified
292.81	Drug-induced delirium	RB Map	F11.121	Opioid abuse with intoxication delirium
292.81	Drug-induced delirium	RB Map	F11.221	Opioid dependence with intoxication delirium
202.01	Done in deced delicions	DD M	E11 021	Opioid use, unspecified with intoxication delirium
292.81 292.81	Drug-induced delirium Drug-induced delirium	RB Map	F11.921 F12.121	Cannabis abuse with intoxication delirium
292.81	Drug-induced delirium	RB Map	F12.221	Cannabis dependence with intoxication delirium
2,2.01	Brag maacca demram	TLD IVIUP	112.221	Cannabis use, unspecified with intoxication
292.81	Drug-induced delirium	RB Map	F12.921	delirium
				Sedative, hypnotic or anxiolytic abuse with
292.81	Drug-induced delirium	RB Map	F13.121	intoxication delirium
202.01	B . 1 111.	DD M	E12 221	Sedative, hypnotic or anxiolytic dependence with intoxication delirium
292.81	Drug-induced delirium	RB Map	F13.221	Sedative, hypnotic or anxiolytic use,
292.81	Drug-induced delirium	RB Map	F13.921	unspecified with intoxication delirium
292.81	Drug-induced delirium	RB Map	F14.121	Cocaine abuse with intoxication with delirium
292.81	Drug-induced delirium	RB Map	F14.221	Cocaine dependence with intoxication delirium
				Cocaine use, unspecified with intoxication
292.81	Drug-induced delirium	RB Map	F14.921	delirium
202.01	5	DD 14	F15 101	Other stimulant abuse with intoxication
292.81	Drug-induced delirium	RB Map	F15.121	delirium Other stimulant dependence with intoxication
292.81	Drug-induced delirium	RB Map	F15.221	delirium
272.01	Drug-madeed demram	KD Map	113.221	Other stimulant use, unspecified with
292.81	Drug-induced delirium	RB Map	F15.921	intoxication delirium
				Hallucinogen abuse with intoxication with
292.81	Drug-induced delirium	RB Map	F16.121	delirium
202.01	5	DD 14	E1 6 221	Hallucinogen dependence with intoxication
292.81	Drug-induced delirium	RB Map	F16.221	with delirium Hallucinogen use, unspecified with intoxication
292.81	Drug-induced delirium	RB Map	F16.921	with delirium
292.81	Drug-induced delirium	RB Map	F18.121	Inhalant abuse with intoxication delirium
292.81	Drug-induced delirium	RB Map	F18.221	Inhalant dependence with intoxication delirium
				Inhalant use, unspecified with intoxication with
292.81	Drug-induced delirium	RB Map	F18.921	delirium
202.01	Done in deced delicions	DD M	E10 121	Other psychoactive substance abuse with intoxication delirium
292.81	Drug-induced delirium	RB Map	F19.121	Other psychoactive substance dependence with
292.81	Drug-induced delirium	RB Map	F19.221	intoxication delirium
				Other psychoactive substance use, unspecified
292.81	Drug-induced delirium	F Map	F19.921	with intoxication with delirium
				Sedative, hypnotic or anxiolytic dependence
202.02		22.5	E40.05	with sedative, hypnotic or anxiolytic-induced
292.82	Drug-induced persisting dementia	RB Map	F13.27	persisting dementia Sedative, hypnotic or anxiolytic use,
				unspecified with sedative, hypnotic or
292.82	Drug-induced persisting dementia	RB Map	F13.97	anxiolytic-induced persisting dementia
292.82	Drug-induced persisting dementia	RB Map	F18.17	Inhalant abuse with inhalant-induced dementia
				Inhalant dependence with inhalant-induced
292.82	Drug-induced persisting dementia	RB Map	F18.27	dementia
202.02	5	DD 3.4	E10.07	Inhalant use, unspecified with inhalant-induced
292.82	Drug-induced persisting dementia	RB Map	F18.97	persisting dementia Other psychoactive substance abuse with
				psychoactive substance abuse with
292.82	Drug-induced persisting dementia	RB Map	F19.17	dementia
	a contract of the contract of		7,	Other psychoactive substance dependence with
				psychoactive substance-induced persisting
292.82	Drug-induced persisting dementia	RB Map	F19.27	dementia
				Other psychoactive substance use, unspecified
292.82	Drug-induced persisting dementia	F Map	F19.97	with psychoactive substance-induced persisting dementia
474.04	Drug-maacea persisting demenda	1 Iviap	1.12.27	uemenua

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description Sedative, hypnotic or anxiolytic dependence
	Drug-induced persisting amnestic			with sedative, hypnotic or anxiolytic-induced
292.83	disorder	RB Map	F13.26	persisting amnestic disorder
	Drug-induced persisting amnestic			Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or
292.83	disorder	RB Map	F13.96	anxiolytic-induced persisting amnestic disorder
				Other psychoactive substance abuse with
292.83	Drug-induced persisting amnestic disorder	DD Mon	F19.16	psychoactive substance-induced persisting amnestic disorder
292.03	disorder	RB Map	119.10	Other psychoactive substance dependence with
	Drug-induced persisting amnestic			psychoactive substance-induced persisting
292.83	disorder	RB Map	F19.26	amnestic disorder Other psychoactive substance use, unspecified
	Drug-induced persisting amnestic			with psychoactive substance-induced persisting
292.83	disorder	F Map	F19.96	amnestic disorder
292.84	Drug-induced mood disorder	RB Map	F11.14	Opioid abuse with opioid-induced mood disorder
2,2.01	Brug maacca mood disorder	тар түшү	111.11	Opioid dependence with opioid-induced mood
292.84	Drug-induced mood disorder	RB Map	F11.24	disorder
292.84	Drug-induced mood disorder	RB Map	F11.94	Opioid use, unspecified with opioid-induced mood disorder
2,2.0.	Drug maacca mood disorder	TtD Titup	11117	Sedative, hypnotic or anxiolytic abuse with
202.04	D : 1 1 1 1 1 1	DD M	E12.14	sedative, hypnotic or anxiolytic-induced mood
292.84	Drug-induced mood disorder	RB Map	F13.14	disorder Sedative, hypnotic or anxiolytic dependence
				with sedative, hypnotic or anxiolytic-induced
292.84	Drug-induced mood disorder	RB Map	F13.24	mood disorder Sedative, hypnotic or anxiolytic use,
				unspecified with sedative, hypnotic or
292.84	Drug-induced mood disorder	RB Map	F13.94	anxiolytic-induced mood disorder
292.84	Drug-induced mood disorder	RB Map	F14.14	Cocaine abuse with cocaine-induced mood disorder
292.04	Drug-maacea mood disorder	KB Map	114.14	Cocaine dependence with cocaine-induced
292.84	Drug-induced mood disorder	RB Map	F14.24	mood disorder
292.84	Drug-induced mood disorder	RB Map	F14.94	Cocaine use, unspecified with cocaine-induced mood disorder
2,2.01	Brug maacca mood disorder		111.71	Other stimulant abuse with stimulant-induced
292.84	Drug-induced mood disorder	RB Map	F15.14	mood disorder
292.84	Drug-induced mood disorder	RB Map	F15.24	Other stimulant dependence with stimulant- induced mood disorder
				Other stimulant use, unspecified with stimulant-
292.84	Drug-induced mood disorder	RB Map	F15.94	induced mood disorder Hallucinogen abuse with hallucinogen-induced
292.84	Drug-induced mood disorder	RB Map	F16.14	mood disorder
		•		Hallucinogen dependence with hallucinogen-
292.84	Drug-induced mood disorder	RB Map	F16.24	induced mood disorder Hallucinogen use, unspecified with
292.84	Drug-induced mood disorder	RB Map	F16.94	hallucinogen-induced mood disorder
				Inhalant abuse with inhalant-induced mood
292.84	Drug-induced mood disorder	RB Map	F18.14	disorder Inhalant dependence with inhalant-induced
292.84	Drug-induced mood disorder	RB Map	F18.24	mood disorder
202.04	_			Inhalant use, unspecified with inhalant-induced
292.84	Drug-induced mood disorder	RB Map	F18.94	mood disorder Other psychoactive substance abuse with
292.84	Drug-induced mood disorder	RB Map	F19.14	psychoactive substance-induced mood disorder
202.94	Days indused more delicerates	DD M	E10.24	Other psychoactive substance dependence with
292.84	Drug-induced mood disorder	RB Map	F19.24	psychoactive substance-induced mood disorder Other psychoactive substance use, unspecified
				with psychoactive substance-induced mood
292.84	Drug-induced mood disorder	F Map	F19.94	disorder Opioid abuse with opioid-induced sleep
292.85	Drug induced sleep disorders	F Map	F11.182	disorder
	·			Opioid dependence with opioid-induced sleep
292.85	Drug induced sleep disorders	F Map	F11.282	disorder Opioid dependence with opioid-induced sleep
292.85	Drug induced sleep disorders	RB Map	F11.282	disorder
				Opioid use, unspecified with opioid-induced
292.85	Drug induced sleep disorders	F Map	F11.982	sleep disorder

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description Sedative, hypnotic or anxiolytic abuse with
				sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sleep
292.85	Drug induced sleep disorders	F Map	F13.182	disorder
				Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced
292.85	Drug induced sleep disorders	F Map	F13.282	sleep disorder
				Sedative, hypnotic or anxiolytic dependence
202.95	Dono induced along discustors	DD M	E12 202	with sedative, hypnotic or anxiolytic-induced sleep disorder
292.85	Drug induced sleep disorders	RB Map	F13.282	Sedative, hypnotic or anxiolytic use,
				unspecified with sedative, hypnotic or
292.85	Drug induced sleep disorders	F Map	F13.982	anxiolytic-induced sleep disorder Cocaine abuse with cocaine-induced sleep
292.85	Drug induced sleep disorders	F Map	F14.182	disorder
				Cocaine dependence with cocaine-induced sleep
292.85	Drug induced sleep disorders	F Map	F14.282	disorder Cocaine dependence with cocaine-induced sleep
292.85	Drug induced sleep disorders	RB Map	F14.282	disorder
202.05			F1.1.000	Cocaine use, unspecified with cocaine-induced
292.85	Drug induced sleep disorders	F Map	F14.982	Sleep disorder Other stimulant abuse with stimulant-induced
292.85	Drug induced sleep disorders	F Map	F15.182	sleep disorder
202.05			F1 5 000	Other stimulant dependence with stimulant-
292.85	Drug induced sleep disorders	F Map	F15.282	induced sleep disorder Other stimulant dependence with stimulant-
292.85	Drug induced sleep disorders	RB Map	F15.282	induced sleep disorder
202.05			F1.5.000	Other stimulant use, unspecified with stimulant-
292.85	Drug induced sleep disorders	F Map	F15.982	induced sleep disorder Other psychoactive substance abuse with
292.85	Drug induced sleep disorders	F Map	F19.182	psychoactive substance-induced sleep disorder
202.05	5	DD 14	F10.21	Other psychoactive substance dependence, in
292.85	Drug induced sleep disorders	RB Map	F19.21	remission Other psychoactive substance dependence with
292.85	Drug induced sleep disorders	F Map	F19.282	psychoactive substance-induced sleep disorder
202.95	Danie in december 1 and	DD M	E10 202	Other psychoactive substance dependence with
292.85	Drug induced sleep disorders	RB Map	F19.282	psychoactive substance-induced sleep disorder Other psychoactive substance use, unspecified
				with psychoactive substance-induced sleep
292.85	Drug induced sleep disorders Other specified drug-induced mental	F Map	F19.982	disorder Opioid abuse with intoxication with perceptual
292.89	disorders	RB Map	F11.122	disturbance
	Other specified drug-induced mental			Opioid abuse with opioid-induced psychotic
292.89	disorders Other specified drug-induced mental	F Map	F11.159	disorder, unspecified Opioid abuse with opioid-induced sexual
292.89	disorders	F Map	F11.181	dysfunction
202.00	Other specified drug-induced mental		F14 400	Opioid abuse with other opioid-induced
292.89	disorders Other specified drug-induced mental	F Map	F11.188	disorder Opioid dependence with intoxication with
292.89	disorders	F Map	F11.222	perceptual disturbance
202.90	Other specified drug-induced mental	DD M	E11 222	Opioid dependence with intoxication with
292.89	disorders Other specified drug-induced mental	RB Map	F11.222	perceptual disturbance Opioid dependence with opioid-induced
292.89	disorders	F Map	F11.259	psychotic disorder, unspecified
292.89	Other specified drug-induced mental disorders	RB Map	F11.259	Opioid dependence with opioid-induced psychotic disorder, unspecified
272.07	Other specified drug-induced mental	къ мар	111.437	Opioid dependence with opioid-induced sexual
292.89	disorders	F Map	F11.281	dysfunction
292.89	Other specified drug-induced mental disorders	RB Map	F11.281	Opioid dependence with opioid-induced sexual dysfunction
272.07	Other specified drug-induced mental	KD Map	111.201	Opioid dependence with other opioid-induced
292.89	disorders	F Map	F11.288	disorder
292.89	Other specified drug-induced mental disorders	RB Map	F11.288	Opioid dependence with other opioid-induced disorder
	Other specified drug-induced mental			Opioid use, unspecified with intoxication with
292.89	disorders	F Map	F11.922	perceptual disturbance
292.89	Other specified drug-induced mental disorders	F Map	F11.959	Opioid use, unspecified with opioid-induced psychotic disorder, unspecified
	Other specified drug-induced mental	Î		Opioid use, unspecified with opioid-induced
292.89	disorders	F Map	F11.981	sexual dysfunction

ICD-9	ICD 0 Description	Map	ICD-10	ICD 10 Description
Code	ICD-9 Description Other specified drug-induced mental	Type	Code	ICD-10 Description Opioid use, unspecified with other opioid-
292.89	disorders	F Map	F11.988	induced disorder
	Other specified drug-induced mental			Cannabis abuse with intoxication with
292.89	disorders Other specified drug-induced mental	F Map	F12.122	perceptual disturbance Cannabis abuse with psychotic disorder,
292.89	disorders	F Map	F12.159	unspecified
2,2.0,	Other specified drug-induced mental	1 1,140	112.137	Cannabis abuse with cannabis-induced anxiety
292.89	disorders	F Map	F12.180	disorder
292.89	Other specified drug-induced mental disorders	F Map	F12.188	Cannabis abuse with other cannabis-induced disorder
292.09	Other specified drug-induced mental	r Map	F12.100	Cannabis dependence with intoxication with
292.89	disorders	F Map	F12.222	perceptual disturbance
202.00	Other specified drug-induced mental	DD M	E12 222	Cannabis dependence with intoxication with
292.89	disorders Other specified drug-induced mental	RB Map	F12.222	perceptual disturbance Cannabis dependence with psychotic disorder,
292.89	disorders	F Map	F12.259	unspecified
***	Other specified drug-induced mental	22.1	F12.250	Cannabis dependence with psychotic disorder,
292.89	disorders Other specified drug-induced mental	RB Map	F12.259	unspecified Cannabis dependence with cannabis-induced
292.89	disorders	F Map	F12.280	anxiety disorder
	Other specified drug-induced mental			Cannabis dependence with cannabis-induced
292.89	disorders	RB Map	F12.280	anxiety disorder
292.89	Other specified drug-induced mental disorders	F Map	F12.288	Cannabis dependence with other cannabis- induced disorder
2)2.0)	Other specified drug-induced mental	1 Wap	112.200	Cannabis dependence with other cannabis-
292.89	disorders	RB Map	F12.288	induced disorder
292.89	Other specified drug-induced mental disorders	F Map	F12.922	Cannabis use, unspecified with intoxication with perceptual disturbance
292.09	Other specified drug-induced mental	r wap	F12.922	Cannabis use, unspecified with psychotic
292.89	disorders	F Map	F12.959	disorder, unspecified
202.00	Other specified drug-induced mental	EM	E12 000	
292.89	disorders Other specified drug-induced mental	F Map	F12.980	Cannabis use, unspecified with anxiety disorder Cannabis use, unspecified with other cannabis-
292.89	disorders	F Map	F12.988	induced disorder
				Sedative, hypnotic or anxiolytic abuse with
292.89	Other specified drug-induced mental disorders	F Map	F13.159	sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified
292.09	disorders	1 Wap	113.139	Sedative, hypnotic or anxiolytic abuse with
	Other specified drug-induced mental			sedative, hypnotic or anxiolytic-induced anxiety
292.89	disorders	F Map	F13.180	disorder Sedative, hypnotic or anxiolytic abuse with
	Other specified drug-induced mental			sedative, hypnotic or anxiolytic-induced sexual
292.89	disorders	F Map	F13.181	dysfunction
				Sedative, hypnotic or anxiolytic abuse with
292.89	Other specified drug-induced mental disorders	F Map	F13.188	other sedative, hypnotic or anxiolytic-induced disorder
2,2.0,	disorders	1 Wap	113.100	Sedative, hypnotic or anxiolytic dependence
	Other specified drug-induced mental			with sedative, hypnotic or anxiolytic-induced
292.89	disorders	F Map	F13.259	psychotic disorder, unspecified Sedative, hypnotic or anxiolytic dependence
	Other specified drug-induced mental			with sedative, hypnotic or anxiolytic-induced
292.89	disorders	RB Map	F13.259	psychotic disorder, unspecified
				Sedative, hypnotic or anxiolytic dependence
	Other specified drug-induced mental			with sedative, hypnotic or anxiolytic-induced anxiety disorder
292.89	disorders	F Map	F13.280	-
	Other englished days in decedary			Sedative, hypnotic or anxiolytic dependence
292.89	Other specified drug-induced mental disorders	RB Map	F13.280	with sedative, hypnotic or anxiolytic-induced anxiety disorder
2 = .02		1.1mp		Sedative, hypnotic or anxiolytic dependence
202.00	Other specified drug-induced mental	E24	E10.001	with sedative, hypnotic or anxiolytic-induced
292.89	disorders	F Map	F13.281	sexual dysfunction Sedative, hypnotic or anxiolytic dependence
	Other specified drug-induced mental			with sedative, hypnotic or anxiolytic-induced
		1		
292.89	disorders	RB Map	F13.281	sexual dysfunction
292.89	disorders Other specified drug-induced mental	RB Map	F13.281	Sedative, hypnotic or anxiolytic dependence with other sedative, hypnotic or anxiolytic-

CO-9 CO-9 CO-9 CO-9 CO-10	c use, totic or sorder, c use, totic or sorder, c use, totic or to
Other specified drug-induced mental disorders Other specified drug-indu	c use, totic or sorder, c use, totic or sorder, c use, totic or to
292.89 disorders	c use, notic or sorder, c use, notic or rder c use,
Other specified drug-induced mental disorders Other specified drug-indu	otic or sorder, c use, otic or order c use,
Other specified drug-induced mental disorders Other specified drug-indu	otic or sorder, c use, otic or order c use,
Other specified drug-induced mental disorders Other specified drug-indu	sorder, c use, otic or order c use,
Other specified drug-induced mental disorders Other specified drug-indu	otic or order c use,
Other specified drug-induced mental disorders Other specified drug-indu	otic or order c use,
Other specified drug-induced mental disorders	rder c use,
Other specified drug-induced mental disorders Other specified drug-indu	use,
Other specified drug-induced mental disorders Other specified drug-indu	
292.89 disorders	otic or
Other specified drug-induced mental disorders Other specified drug-indu	ınction
292.89 disorders	use,
Other specified drug-induced mental disorders Other specified drug-indu	, hypnotic or
Other specified drug-induced mental disorders FMap F14.122 Cocaine abuse with cocaine-ind disorders FMap F14.180 Cocaine abuse with cocaine-ind disorder Cocaine abuse with cocaine-ind disorders FMap F14.181 Cocaine abuse with cocaine-ind dysfunction Cocaine abuse with other cocain disorders FMap F14.222 Cocaine dependence with intox perceptual disturbance Cocaine dependence with intox perceptual disturbance Cocaine dependence with intox perceptual disturbance Cocaine dependence with cocain psychotic disorder, unspecified Cocaine dependence with cocain psychotic disorder	with percentual
Other specified drug-induced mental disorders FMap F14.281 Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai sexual dysfunction Cocaine dependence with other disorder Cocaine	i with perceptual
Other specified drug-induced mental disorders F Map F14.159 Cocaine abuse with cocaine-ind disorders F Map F14.180 Cocaine abuse with cocaine-ind disorders F Map F14.181 Cocaine abuse with other cocaine disorders F Map F14.181 Cocaine abuse with other cocaine disorders F Map F14.181 Cocaine abuse with other cocaine disorders F Map F14.181 Cocaine abuse with other cocaine disorders F Map F14.182 Cocaine dependence with intox perceptual disturbance Cocaine dependence with intox perceptual disturbance Cocaine dependence with cocaine disorders F Map F14.259 P14.259	luced psychotic
Other specified drug-induced mental disorders F Map F14.181 Cocaine abuse with cocaine-ind dysfunction Cocaine abuse with other cocaine disorders F Map F14.181 Cocaine abuse with other cocaine disorders F Map F14.188 Cocaine abuse with other cocaine disorders F Map F14.188 Cocaine abuse with other cocaine disorders F Map F14.222 Cocaine dependence with intox perceptual disturbance Cocaine dependence with intox perceptual disturbance Cocaine dependence with intox perceptual disturbance Cocaine dependence with cocaine disorders F Map F14.259 Sychotic disorder, unspecified Cocaine dependence with cocaine disorders F Map F14.259 Cocaine dependence with cocaine disorders F Map F14.280 Cocaine dependence with cocaine disorders F Map F14.281 Cocaine dependence with cocaine disorder Cocaine dependence with cocaine dependence with cocaine disorder Cocaine dependence with cocai	
Other specified drug-induced mental disorders Other specified drug-indu	luced anxiety
Other specified drug-induced mental disorders F Map F14.181 dysfunction Cocaine abuse with other cocain disorders F Map F14.222 Cocaine abuse with other cocain disorders F Map F14.222 Perceptual disturbance Cocaine dependence with intox perceptual disturbance Cocaine dependence with cocain disorders F Map F14.222 Perceptual disturbance Cocaine dependence with cocain disorders F Map F14.259 Perceptual disturbance Cocaine dependence with cocain psychotic disorder, unspecified Cocaine dependence with cocain anxiety disorder Cocaine dependence with cocain anxiety disorder Cocaine dependence with cocain anxiety disorder Cocaine dependence with cocain disorders F Map F14.281 Perceptual disorder Cocaine dependence with cocain disorders F Map F14.281 Perceptual disorder Cocaine dependence with cocain disorder Cocaine	
Other specified drug-induced mental disorders RB Map F14.281 Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai sexual dysfunction Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai sexual dysfunction Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai sexual dysfunction Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai sexual dysfunction Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai sexual dysfunction Cocaine dependence with cocai sexual dysfunction Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai sexual dysfunction Cocaine dependence	uced sexual
Other specified drug-induced mental disorders F Map F14.188 disorder	ne-induced
Other specified drug-induced mental disorders F Map F14.281 Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai anxiety disorde	maacca
Other specified drug-induced mental disorders Other specified drug-indu	ication with
Other specified drug-induced mental disorders F Map F14.259 Private	
Other specified drug-induced mental disorders F Map F14.280 Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai sexual dysfunction Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai sexual dysfunction F Map F1	ication with
Other specified drug-induced mental disorders F Map F14.259 psychotic disorder, unspecified	no induced
Other specified drug-induced mental disorders F Map F14.280 Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai sexual dysfunction Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai anxiety disorder Cocaine dependence with cocai sexual dysfunction Cocaine dependence with cocai anxiety disorder Cocaine use, unspecified with cocai anxiety disorder anxiety disorder Cocaine use, unspecified with cocai anxiety disorder anxiety disorder Cocaine use, unspecified with cocain anxiety disorder anxiety disorder	
292.89 disorders RB Map F14.259 psychotic disorder, unspecified	ne-induced
292.89 disorders	
Other specified drug-induced mental disorders F Map F14.288 Cocaine dependence with other disorder	ne-induced
292.89 disorders Other specified drug-induced mental disorders F Map F14.288 Cocaine dependence with other disorder Cocaine dependence with other disorder Cocaine dependence with other disorder Cocaine use, unspecified with in perceptual disturbance Cocaine use, unspecified with company possible disorders F Map F14.980 Cocaine use, unspecified with company possible disorder unspecified with company possible disorders F Map F14.980 Anxiety disorder	
Other specified drug-induced mental disorders F Map F14.288 Cocaine dependence with cocai sexual dysfunction Cocaine dependence with other disorder Cocaine dependence with other disorder Cocaine dependence with other disorder Cocaine use, unspecified with in perceptual disturbance Cocaine use, unspecified with cocai sexual dysfunction Cocaine dependence with other disorder Cocaine use, unspecified with cocai sexual dysfunction Cocaine dependence with other disorder	ne-induced
292.89 disorders F Map F14.281 sexual dysfunction Other specified drug-induced mental disorders F Map F14.288 disorder Cocaine dependence with other disorder Cocaine use, unspecified with in perceptual disturbance Other specified drug-induced mental disorders F Map F14.922 psychotic disorder, unspecified with cocain use, unspecified use,	ne-induced
Other specified drug-induced mental disorders RB Map F14.288 Cocaine dependence with other disorder Cocaine dependence with other disorder Cocaine dependence with other disorder Cocaine use, unspecified with in perceptual disturbance Other specified drug-induced mental disorders Other specified drug-induced mental disorders F Map F14.922 PF Map F14.925 Cocaine use, unspecified with cocain dependence with other disorder Cocaine use, unspecified with cocain use, unspecified use, unspecified with cocain use, unspecified use, uns	ne maacca
Other specified drug-induced mental disorders Other specified drug-induced mental disorder Other specified drug-induced mental disorders RB Map F14.288 disorder Cocaine dependence with other disorder Cocaine dependence with other disorder Cocaine use, unspecified with in perceptual disturbance Other specified drug-induced mental disorders F Map F14.922 perceptual disturbance Cocaine use, unspecified with control psychotic disorder, unspecified with control psychotic disorder, unspecified with control disorders Other specified drug-induced mental disorders F Map F14.980 anxiety disorder	ne-induced
292.89 disorders F Map F14.288 disorder Other specified drug-induced mental disorders RB Map F14.288 disorder Other specified drug-induced mental disorders F Map F14.288 disorder RB Map F14.288 disorder Cocaine dependence with other disorder Cocaine use, unspecified with in perceptual disturbance Other specified drug-induced mental disorders F Map F14.959 psychotic disorder, unspecified with comparison of the specified drug-induced mental disorders F Map F14.980 anxiety disorder	
Other specified drug-induced mental disorders RB Map P14.288 Cocaine dependence with other disorder Other specified drug-induced mental disorders P Map P 14.288 Cocaine use, unspecified with in perceptual disturbance Cocaine use, unspecified with comparison of the perceptual disturbance Other specified drug-induced mental disorders P Map F 14.959 Sychotic disorder, unspecified with comparison of the perceptual disturbance Cocaine use, unspecified of the post-order of the perceptual disorder, unspecified with comparison of the perceptual disturbance Cocaine use, unspecified with comparison of the perceptual disorder of the perceptual disturbance Cocaine use, unspecified with comparison of the perceptual disorder of the perceptual disturbance Cocaine use, unspecified with comparison of the perceptual disturbance of the p	cocaine-induced
292.89 disorders RB Map F14.288 disorder Other specified drug-induced mental disorders F Map F14.922 perceptual disturbance Other specified drug-induced mental disorders F Map F14.959 psychotic disorder, unspecified with comparison of the specified drug-induced mental disorders F Map F14.980 anxiety disorder	acceine induced
Other specified drug-induced mental disorders F Map F14.922 perceptual disturbance Other specified drug-induced mental disorders F Map F14.959 psychotic disorder, unspecified with comparison of the specified drug-induced mental disorders F Map F14.959 psychotic disorder, unspecified with comparison of the specified drug-induced mental disorders F Map F14.980 anxiety disorder	cocame-muuceu
292.89 disorders F Map F14.922 perceptual disturbance Other specified drug-induced mental disorders F Map F14.959 psychotic disorder, unspecified with comparison of the specified drug-induced mental disorders F Map F14.980 anxiety disorder	ntoxication with
292.89 disorders F Map F14.959 psychotic disorder, unspecified Other specified drug-induced mental disorders F Map F14.980 anxiety disorder F Map F14.980 anxiety disorder	
Other specified drug-induced mental disorders F Map F14.980 Cocaine use, unspecified with c anxiety disorder	
292.89 disorders F Map F14.980 anxiety disorder	
Other specified days induced month.	ocame-induced
Outer specified drug-induced mental	cocaine-induced
292.89 disorders F Map F14.981 sexual dysfunction	
Other specified drug-induced mental Cocaine use, unspecified with o	ther cocaine-
292.89 disorders F Map F14.988 induced disorder	
Other specified drug-induced mental Other stimulant abuse with into	xication with
292.89 disorders F Map F15.122 perceptual disturbance Other specified drug-induced mental Other stimulant abuse with stimulant abuse with stimulant abuse.	ulant-induced
292.89 disorders F Map F15.159 psychotic disorder, unspecified	
Other specified drug-induced mental Other stimulant abuse with stim	
292.89 disorders F Map F15.180 anxiety disorder	
Other specified drug-induced mental Other stimulant abuse with stim	ulant-induced
292.89 disorders F Map F15.181 sexual dysfunction	
Other specified drug-induced mental disorders F Map F15.188 Other stimulant abuse with other induced disorder	otimas-1
Other specified drug-induced mental Other stimulant dependence with	er stimulant-
292.89 disorders F Map F15.222 with perceptual disturbance	
Other specified drug-induced mental Other stimulant dependence with	
292.89 disorders RB Map F15.222 with perceptual disturbance	th intoxication

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description
202.00	Other specified drug-induced mental	EM	E15 050	Other stimulant dependence with stimulant-
292.89	disorders Other specified drug-induced mental	F Map	F15.259	induced psychotic disorder, unspecified Other stimulant dependence with stimulant-
292.89	disorders	RB Map	F15.259	induced psychotic disorder, unspecified
2)2.0)	Other specified drug-induced mental	KD Map	113.237	Other stimulant dependence with stimulant-
292.89	disorders	F Map	F15.280	induced anxiety disorder
	Other specified drug-induced mental			Other stimulant dependence with stimulant-
292.89	disorders	RB Map	F15.280	induced anxiety disorder
202.00	Other specified drug-induced mental	E.M.	F15 001	Other stimulant dependence with stimulant-
292.89	disorders Other specified drug-induced mental	F Map	F15.281	induced sexual dysfunction Other stimulant dependence with stimulant-
292.89	disorders	RB Map	F15.281	induced sexual dysfunction
	Other specified drug-induced mental			Other stimulant dependence with other
292.89	disorders	F Map	F15.288	stimulant-induced disorder
202.00	Other specified drug-induced mental	22.1	T4 5 200	Other stimulant dependence with other
292.89	disorders Other specified drug-induced mental	RB Map	F15.288	Stimulant-induced disorder Other stimulant use, unspecified with
292.89	disorders	F Map	F15.922	intoxication with perceptual disturbance
2,2.0,	Other specified drug-induced mental	Типр	113.722	Other stimulant use, unspecified with stimulant-
292.89	disorders	F Map	F15.959	induced psychotic disorder, unspecified
	Other specified drug-induced mental			Other stimulant use, unspecified with stimulant-
292.89	disorders	F Map	F15.980	induced anxiety disorder
202.80	Other specified drug-induced mental disorders	F Map	F15.981	Other stimulant use, unspecified with stimulant- induced sexual dysfunction
292.89	Other specified drug-induced mental	гмар	F13.981	Other stimulant use, unspecified with other
292.89	disorders	F Map	F15.988	stimulant-induced disorder
	Other specified drug-induced mental			Hallucinogen abuse with intoxication with
292.89	disorders	F Map	F16.122	perceptual disturbance
202.00	Other specified drug-induced mental	E.M.	F1 6 150	Hallucinogen abuse with hallucinogen-induced
292.89	disorders Other specified drug-induced mental	F Map	F16.159	psychotic disorder, unspecified Hallucinogen abuse with hallucinogen-induced
292.89	disorders	F Map	F16.180	anxiety disorder
2,2.0,	Other specified drug-induced mental	Типр	110.100	Hallucinogen abuse with hallucinogen
292.89	disorders	F Map	F16.183	persisting perception disorder (flashbacks)
	Other specified drug-induced mental			Hallucinogen abuse with other hallucinogen-
292.89	disorders	F Map	F16.188	induced disorder
292.89	Other specified drug-induced mental disorders	F Map	F16.259	Hallucinogen dependence with hallucinogen- induced psychotic disorder, unspecified
292.09	Other specified drug-induced mental	1 Wiap	110.239	Hallucinogen dependence with hallucinogen-
292.89	disorders	RB Map	F16.259	induced psychotic disorder, unspecified
	Other specified drug-induced mental			Hallucinogen dependence with hallucinogen-
292.89	disorders	F Map	F16.280	induced anxiety disorder
202.80	Other specified drug-induced mental	DD Mon	E16 200	Hallucinogen dependence with hallucinogen-
292.89	disorders Other specified drug-induced mental	RB Map	F16.280	induced anxiety disorder Hallucinogen dependence with hallucinogen
292.89	disorders	F Map	F16.283	persisting perception disorder (flashbacks)
	Other specified drug-induced mental			Hallucinogen dependence with hallucinogen
292.89	disorders	RB Map	F16.283	persisting perception disorder (flashbacks)
202.00	Other specified drug-induced mental	EM	E1 < 000	Hallucinogen dependence with other
292.89	disorders Other specified drug-induced mental	F Map	F16.288	hallucinogen-induced disorder Hallucinogen dependence with other
292.89	disorders	RB Map	F16.288	hallucinogen dependence with other hallucinogen-induced disorder
. =/			2.200	Hallucinogen use, unspecified with
	Other specified drug-induced mental			hallucinogen-induced psychotic disorder,
292.89	disorders	F Map	F16.959	unspecified
202.80	Other specified drug-induced mental disorders	EMag	E14 000	Hallucinogen use, unspecified with
292.89	uisoruers	F Map	F16.980	hallucinogen-induced anxiety disorder Hallucinogen use, unspecified with
	Other specified drug-induced mental			hallucinogen persisting perception disorder
292.89	disorders	F Map	F16.983	(flashbacks)
	Other specified drug-induced mental]		Hallucinogen use, unspecified with other
292.89	disorders	F Map	F16.988	hallucinogen-induced disorder
202.80	Other specified drug-induced mental	E Mon	E17 200	Nicotine dependence, unspecified, with other
292.89	disorders Other specified drug-induced mental	F Map	F17.208	nicotine-induced disorders Nicotine dependence, cigarettes, with other
292.89	disorders	F Map	F17.218	nicotine-induced disorders
			-	Nicotine dependence, chewing tobacco, with
	Other specified drug-induced mental	1		other nicotine-induced disorders
292.89	disorders	F Map	F17.228	

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description
202.90	Other specified drug-induced mental	E Mon	E17 209	Nicotine dependence, other tobacco product,
292.89	disorders Other specified drug-induced mental	F Map	F17.298	with other nicotine-induced disorders Inhalant abuse with inhalant-induced psychotic
292.89	disorders	F Map	F18.159	disorder, unspecified
	Other specified drug-induced mental			Inhalant abuse with inhalant-induced anxiety
292.89	disorders	F Map	F18.180	disorder
***	Other specified drug-induced mental		T40.400	Inhalant abuse with other inhalant-induced
292.89	disorders Other specified drug-induced mental	F Map	F18.188	disorder Inhalant dependence with inhalant-induced
292.89	disorders	F Map	F18.259	psychotic disorder, unspecified
2,2.0,	Other specified drug-induced mental	1 1/14	110.20	Inhalant dependence with inhalant-induced
292.89	disorders	RB Map	F18.259	psychotic disorder, unspecified
	Other specified drug-induced mental			Inhalant dependence with inhalant-induced
292.89	disorders Other specified drug-induced mental	F Map	F18.280	anxiety disorder
292.89	disorders	RB Map	F18.280	Inhalant dependence with inhalant-induced anxiety disorder
2)2.0)	Other specified drug-induced mental	KD Map	110.200	Inhalant dependence with other inhalant-
292.89	disorders	F Map	F18.288	induced disorder
	Other specified drug-induced mental			Inhalant dependence with other inhalant-
292.89	disorders	RB Map	F18.288	induced disorder
292.89	Other specified drug-induced mental disorders	F Map	F18.959	Inhalant use, unspecified with inhalant-induced psychotic disorder, unspecified
292.09	Other specified drug-induced mental	1 Iviap	1.10.939	Inhalant use, unspecified with inhalant-induced
292.89	disorders	F Map	F18.980	anxiety disorder
	Other specified drug-induced mental			Inhalant use, unspecified with other inhalant-
292.89	disorders	F Map	F18.988	induced disorder
202.90	Other specified drug-induced mental disorders	E Mon	E10 122	Other psychoactive substance abuse with intoxication with perceptual disturbances
292.89	disorders	F Map	F19.122	Other psychoactive substance abuse with
	Other specified drug-induced mental			psychoactive substance-induced psychotic
292.89	disorders	F Map	F19.159	disorder, unspecified
				Other psychoactive substance abuse with
202.00	Other specified drug-induced mental	EM	F10 100	psychoactive substance-induced anxiety
292.89	disorders	F Map	F19.180	Other psychoactive substance abuse with
	Other specified drug-induced mental			psychoactive substance-induced sexual
292.89	disorders	F Map	F19.181	dysfunction
	Other specified drug-induced mental			Other psychoactive substance abuse with other
292.89	disorders	F Map	F19.188	psychoactive substance-induced disorder
292.89	Other specified drug-induced mental disorders	F Map	F19.222	Other psychoactive substance dependence with intoxication with perceptual disturbance
272.07	Other specified drug-induced mental	1 Iviap	117.222	Other psychoactive substance dependence with
292.89	disorders	RB Map	F19.222	intoxication with perceptual disturbance
				Other psychoactive substance dependence with
202.00	Other specified drug-induced mental	E14	F10.050	psychoactive substance-induced psychotic
292.89	disorders	F Map	F19.259	disorder, unspecified Other psychoactive substance dependence with
	Other specified drug-induced mental			psychoactive substance-induced psychotic
292.89	disorders	RB Map	F19.259	disorder, unspecified
				Other psychoactive substance dependence with
202.00	Other specified drug-induced mental	EM	E10.200	psychoactive substance-induced anxiety
292.89	disorders	F Map	F19.280	Other psychoactive substance dependence with
	Other specified drug-induced mental			psychoactive substance dependence with psychoactive substance-induced anxiety
292.89	disorders	RB Map	F19.280	disorder
				Other psychoactive substance dependence with
***	Other specified drug-induced mental			psychoactive substance-induced sexual
292.89	disorders	F Map	F19.281	dysfunction
	Other specified drug-induced mental			Other psychoactive substance dependence with psychoactive substance-induced sexual
292.89	disorders	RB Map	F19.281	dysfunction
	Other specified drug-induced mental	TCD TYTUP	11/.201	Other psychoactive substance dependence with
292.89	disorders	F Map	F19.288	other psychoactive substance-induced disorder
	Other specified drug-induced mental			Other psychoactive substance dependence with
292.89	disorders	RB Map	F19.288	other psychoactive substance-induced disorder
	Other specified drug induced most-1			Other psychoactive substance use, unspecified
292.89	Other specified drug-induced mental disorders	F Map	F19.922	with intoxication with perceptual disturbance
-,,		1up		l .

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description
	Other specified drug-induced			Other psychoactive substance use, unspecified with psychoactive substance-
292.89	mental disorders	F Map	F19.959	induced psychotic disorder, unspecified
				Other psychoactive substance use,
292.89	Other specified drug-induced mental disorders	F Map	F19.980	unspecified with psychoactive substance- induced anxiety disorder
292.89	mental disorders	r Map	F19.960	Other psychoactive substance use,
	Other specified drug-induced			unspecified with psychoactive substance-
292.89	mental disorders	F Map	F19.981	induced sexual dysfunction
	Other specified drug-induced			Other psychoactive substance use, unspecified with other psychoactive
292.89	mental disorders	F Map	F19.988	substance-induced disorder
202.0	Unspecified drug-induced mental		F14.40	Opioid abuse with unspecified opioid-
292.9	disorder Unspecified drug-induced mental	RB Map	F11.19	induced disorder Opioid dependence with unspecified opioid-
292.9	disorder	RB Map	F11.29	induced disorder
	Unspecified drug-induced mental			Opioid use, unspecified with unspecified
292.9	disorder Unspecified drug-induced mental	RB Map	F11.99	opioid-induced disorder Cannabis abuse with unspecified cannabis-
292.9	disorder	RB Map	F12.19	induced disorder
	Unspecified drug-induced mental	mp		Cannabis dependence with unspecified
292.9	disorder	RB Map	F12.29	cannabis-induced disorder
292.9	Unspecified drug-induced mental disorder	RB Map	F12.99	Cannabis use, unspecified with unspecified cannabis-induced disorder
272.7	disorder	KB Map	112.77	Sedative, hypnotic or anxiolytic abuse with
	Unspecified drug-induced mental			unspecified sedative, hypnotic or anxiolytic-
292.9	disorder	RB Map	F13.19	induced disorder Sedative, hypnotic or anxiolytic dependence
	Unspecified drug-induced mental			with unspecified sedative, hypnotic or
292.9	disorder	RB Map	F13.29	anxiolytic-induced disorder
				Sedative, hypnotic or anxiolytic use,
292.9	Unspecified drug-induced mental disorder	RB Map	F13.99	unspecified with unspecified sedative, hypnotic or anxiolytic-induced disorder
2,2.,	Unspecified drug-induced mental	RB Map	113.55	Cocaine abuse with unspecified cocaine-
292.9	disorder	RB Map	F14.19	induced disorder
292.9	Unspecified drug-induced mental disorder	RB Map	F14.29	Cocaine dependence with unspecified cocaine-induced disorder
232.3	Unspecified drug-induced mental	KB Map	114.29	Cocaine use, unspecified with unspecified
292.9	disorder	RB Map	F14.99	cocaine-induced disorder
292.9	Unspecified drug-induced mental disorder	RB Map	F15.19	Other stimulant abuse with unspecified stimulant-induced disorder
292.9	Unspecified drug-induced mental	KB Map	F13.19	Other stimulant dependence with unspecified
292.9	disorder	RB Map	F15.29	stimulant-induced disorder
202.0	Unspecified drug-induced mental	DD 14	F15.00	Other stimulant use, unspecified with
292.9	disorder Unspecified drug-induced mental	RB Map	F15.99	unspecified stimulant-induced disorder Hallucinogen abuse with unspecified
292.9	disorder	RB Map	F16.19	hallucinogen-induced disorder
202.0	Unspecified drug-induced mental		F1 4 00	Hallucinogen dependence with unspecified
292.9	disorder Unspecified drug-induced mental	RB Map	F16.29	hallucinogen-induced disorder Hallucinogen use, unspecified with
292.9	disorder	RB Map	F16.99	unspecified hallucinogen-induced disorder
	Unspecified drug-induced mental			Nicotine dependence, unspecified, with
292.9	disorder Unspecified drug induced mental	RB Map	F17.209	unspecified nicotine-induced disorders
292.9	Unspecified drug-induced mental disorder	RB Map	F17.219	Nicotine dependence, cigarettes, with unspecified nicotine-induced disorders
	Unspecified drug-induced mental			Nicotine dependence, chewing tobacco, with
292.9	disorder	RB Map	F17.229	unspecified nicotine-induced disorders
292.9	Unspecified drug-induced mental disorder	RB Map	F17.299	Nicotine dependence, other tobacco product, with unspecified nicotine-induced disorders
	Unspecified drug-induced mental	111111111111111111111111111111111111111	111.277	Inhalant abuse with unspecified inhalant-
292.9	disorder	RB Map	F18.19	induced disorder
202.0	Unspecified drug-induced mental	DR Mor	E18 20	Inhalant dependence with unspecified
292.9	disorder Unspecified drug-induced mental	RB Map	F18.29	inhalant-induced disorder Inhalant use, unspecified with unspecified
292.9	disorder dispersion of the state of the stat	RB Map	F18.99	inhalant-induced disorder
	11			Other psychoactive substance abuse with
292.9	Unspecified drug-induced mental disorder	RB Map	F19.19	unspecified psychoactive substance-induced disorder
-,-,	G.BOTGOT	TO Map	1 1/.1/	disorder .

ICD-9 Code	ICD-9 Description	Map Type	ICD-10 Code	ICD-10 Description
292.9	Unspecified drug-induced mental disorder	RB Map	F19.29	Other psychoactive substance dependence with unspecified psychoactive substance-induced disorder
292.9	Unspecified drug-induced mental disorder	F Map	F19.99	Other psychoactive substance use, unspecified with unspecified psychoactive substance-induced disorder
	Delirium due to conditions classified elsewhere			Delirium due to known physiological
293.0		F Map	F05.	condition Delirium due to known physiological
293.1	Subacute delirium Psychotic disorder with delusions in	F Map	F05.	Psychotic disorder with delusions due to
293.81	conditions classified elsewhere Psychotic disorder with hallucinations in conditions	F Map	F06.2	known physiological condition Psychotic disorder with hallucinations due to
293.82	classified elsewhere Mood disorder in conditions classified elsewhere	F Map	F06.0	known physiological condition Mood disorder due to known physiological condition, unspecified
293.83	Mood disorder in conditions	F Map	F06.30	Mood disorder due to known physiological
293.83	classified elsewhere Mood disorder in conditions classified elsewhere	RB Map	F06.31	condition with depressive features Mood disorder due to known physiological
293.83	Mood disorder in conditions classified elsewhere	RB Map	F06.32	condition with major depressive-like episode Mood disorder due to known physiological condition with manic features
293.83	Mood disorder in conditions classified elsewhere	RB Map	F06.34	Mood disorder due to known physiological condition with mixed features
293.84	Anxiety disorder in conditions classified elsewhere	F Map	F06.4	Anxiety disorder due to known physiological condition
293.89	Other specified transient mental disorders due to conditions classified elsewhere, other	F Map	F06.1	Catatonic disorder due to known physiological condition
293.89	Other specified transient mental disorders due to conditions classified elsewhere, other	F Map	F53.	Puerperal psychosis
293.9	Unspecified transient mental disorder in conditions classified elsewhere	F Map	F06.8	Other specified mental disorders due to known physiological condition
294.0	Amnestic disorder in conditions classified elsewhere	F Map	F04.	Amnestic disorder due to known physiological condition
294.10	Dementia in conditions classified elsewhere without behavioral disturbance	F Map	F02.80	Dementia in other diseases classified elsewhere without behavioral disturbance
294.11	Dementia in conditions classified elsewhere with behavioral disturbance	F Map	F02.81	Dementia in other diseases classified elsewhere with behavioral disturbance
294.20	Dementia, unspecified, without behavioral disturbance	F Map	F03.90	Unspecified dementia without behavioral disturbance
294.21	Dementia, unspecified, with behavioral disturbance	F Map	F03.91	Unspecified dementia with behavioral disturbance
294.8	Other persistent mental disorders due to conditions classified elsewhere	F Map	F06.0	Psychotic disorder with hallucinations due to known physiological condition
	Other persistent mental disorders due to conditions classified	•		Catatonic disorder due to known
294.8	Other persistent mental disorders	RB Map	F06.1	physiological condition
294.8	due to conditions classified elsewhere	F Map	F06.8	Other specified mental disorders due to known physiological condition
294.9	Unspecified persistent mental disorders due to conditions classified elsewhere	F Map	F06.8	Other specified mental disorders due to known physiological condition
295.00	Simple type schizophrenia, unspecified	F Map	F20.89	Other schizophrenia
295.01	Simple type schizophrenia, subchronic	F Map	F20.89	Other schizophrenia
295.02	Simple type schizophrenia, chronic Simple type schizophrenia,	F Map	F20.89	Other schizophrenia Other schizophrenia
295.03	subchronic with acute exacerbation	F Map	F20.89	Other schizophrenia

ICD-9 Code	ICD-9 Description	Map Type	ICD-10 Code	ICD-10 Description
295.04	Simple type schizophrenia, chronic with acute exacerbation	F Map	F20.89	Other schizophrenia
295.05	Simple type schizophrenia, in remission	F Map	F20.89	Other schizophrenia
295.10	Disorganized type schizophrenia, unspecified	F Map	F20.1	Disorganized schizophrenia
295.11	Disorganized type schizophrenia, subchronic	F Map	F20.1	Disorganized schizophrenia
295.12	Disorganized type schizophrenia, chronic	F Map	F20.1	Disorganized schizophrenia
295.13	Disorganized type schizophrenia, subchronic with acute exacerbation	F Map	F20.1	Disorganized schizophrenia
295.14	Disorganized type schizophrenia, chronic with acute exacerbation	F Map	F20.1	Disorganized schizophrenia
295.15	Disorganized type schizophrenia, in remission	F Map	F20.1	Disorganized schizophrenia
295.20	Catatonic type schizophrenia, unspecified	F Map	F20.2	Catatonic schizophrenia
295.21	Catatonic type schizophrenia, subchronic	F Map	F20.2	Catatonic schizophrenia
295.22	Catatonic type schizophrenia, chronic	F Map	F20.2	Catatonic schizophrenia
295.23	Catatonic type schizophrenia, subchronic with acute exacerbation	F Map	F20.2	Catatonic schizophrenia
295.24	Catatonic type schizophrenia, chronic with acute exacerbation	F Map	F20.2	Catatonic schizophrenia
295.25	Catatonic type schizophrenia, in remission	F Map	F20.2	Catatonic schizophrenia
295.30	Paranoid type schizophrenia, unspecified	•	F20.0	Paranoid schizophrenia
	Paranoid type schizophrenia, subchronic	F Map	F20.0	·
295.31	Paranoid type schizophrenia,	F Map		Paranoid schizophrenia
295.32	chronic Paranoid type schizophrenia,	F Map	F20.0	Paranoid schizophrenia
295.33	subchronic with acute exacerbation Paranoid type schizophrenia,	F Map	F20.0	Paranoid schizophrenia
295.34	chronic with acute exacerbation Paranoid type schizophrenia, in	F Map	F20.0	Paranoid schizophrenia
295.35	remission Schizophreniform disorder,	F Map	F20.0	Paranoid schizophrenia
295.40	unspecified Schizophreniform disorder,	F Map	F20.81	Schizophreniform disorder
295.41 295.42	subchronic Schizophreniform disorder, chronic	F Map F Map	F20.81 F20.81	Schizophreniform disorder Schizophreniform disorder
295.43	Schizophreniform disorder, subchronic with acute exacerbation	F Map	F20.81	Schizophreniform disorder
295.44	Schizophreniform disorder, chronic with acute exacerbation	F Map	F20.81	Schizophreniform disorder
295.45	Schizophreniform disorder, in remission	F Map	F20.81	Schizophreniform disorder
295.50	Latent schizophrenia, unspecified	F Map	F20.89	Other schizophrenia
295.51	Latent schizophrenia, subchronic	F Map	F20.89	Other schizophrenia
295.52	Latent schizophrenia, chronic	F Map	F20.89	Other schizophrenia
295.53	Latent schizophrenia, subchronic with acute exacerbation	F Map	F20.89	Other schizophrenia
295.54	Latent schizophrenia, chronic with acute exacerbation	F Map	F20.89	Other schizophrenia
295.55	Latent schizophrenia, in remission	F Map	F20.89	Other schizophrenia
295.60	Schizophrenic disorders, residual type, unspecified	F Map	F20.5	Residual schizophrenia
295.61	Schizophrenic disorders, residual type, subchronic	F Map	F20.5	Residual schizophrenia
295.62	Schizophrenic disorders, residual type, chronic	F Map	F20.5	Residual schizophrenia
295.63	Schizophrenic disorders, residual type, subchronic with acute	E Mo-	F20.5	Pacidual cahizonhyania
493.03	exacerbation	F Map	F20.3	Residual schizophrenia

Code ICD-9 Description Type Code ICD-10 Description	ICD-9		Map	ICD-10	
type, chronic with acute 295.64 295.64 295.65 295.70 295.7	Code		Type	Code	ICD-10 Description
Schizoaffective disorder, supercified					
Schizophrenia disorders, residual PMap F20.5 Residual schizophrenia Schizoaffective disorder, RB Map F25.0 Schizoaffective disorder, Schizoaffective disorder, RB Map F25.1 Schizoaffective disorder, Schizoaffective disorder, RB Map F25.1 Schizoaffective disorder, Schizoaffective disorder, RB Map F25.8 Other schizoaffective disorder, Schizoaffective di	205.64		E14	F20.5	D 1
Schizoaffective disorder, superified FMap F25.9 Schizoaffective disorder, bipolar type	295.64		F Map	F20.5	Residual schizophrenia
Schizzaffective disorder, uspecified Other specified types of schizzaffective disorder, uspecified Schizzaffective disorder, uspecified Other specified types of schizzaffective disorder, uspecified Other specified types of schizzaffective disorder, uspecified Schizzaffective disorder, uspecified Other specified types of schizzaffective disorder, uspecified Schizzaffective disorder, uspecifi	205 65		E Man	F20.5	Pacidual schizophrania
Schizoaffective disorder, per	293.03		r wap	F20.3	Residuai scinzophrenia
Schizoaffective disorder, Schizoaffective disorder, depressive type	295.70		RR Man	F25.0	Schizoaffective disorder hipolar type
Schizoaffective disorder, uspecified PMap P25.8 Other schizoaffective disorder, uspecified Schizoaffective disorder, uspecified PMap P25.9 Schizoaffective disorder, uspecified Schizoaffective disorder, subchronic PMap P25.9 Schizoaffective disorder, uspecified Schizoaffective disorder, subchronic PMap P25.9 Schizoaffective disorder, uspecified Schizoaffective disorder, subchronic PMap P25.9 Schizoaffective disorder, uspecified Schizoaffective disorder, chronic PMap P25.9 Schizoaffective disorder, uspecified Schizoaffective disorder, unspecified Other specified types of Schizoaffective disorder, unspecified Schizoaffective disorder, unspecified Other specified types of Schizoaffective disorder, unspecified Schizoaffective disorder, unspecified Other specified types of Schizoaffective disorder, unspecified Schizoaffective disorder, unspecified Schizoaffective disorder, unspecified FMap F20.89 Other schizoaffective disorder, unspecified Schizoaffective disorder, unspecified FMap F20.89 Other schizoaffective disorder, unspecified Schizoaffective disorder, unspecified Schizoaffective disorder, unspecifie	273.70		TtD Iviup	123.0	Semzourreerve disorder, orpotar type
Schizoaffective disorder, Schizoaffective disorder, Schizoaffective disorder, Schizoaffective disorder, Schizoaffective disorder, subchronic F Map F25.9 Schizoaffective disorder, unspecified Schizoaffective disorder, subchronic F Map F25.9 Schizoaffective disorder, unspecified F Map F25.9 Schizoaffective disorder, unspecified Schizo	295.70		RB Map	F25.1	Schizoaffective disorder, depressive type
295.70 unspecified RB Map F25.9 Schizoaffective disorders F Map F25.9 Schizoaffective disorder, unspecified F Map F20.89 Other schizophrenia Gamma F25.9 Other schizophrenia Gamma Gamma F25.9 Other schizophrenia Gamma Gamma F25.9 Other schizophrenia Gamma Gamma Gamma F25.9 Other schiz					
295.71 winspecified 295.72 Schizoaffective disorder, subchronic 295.72 Schizoaffective disorder, chronic 295.73 Schizoaffective disorder, chronic 295.73 Schizoaffective disorder, chronic 295.74 with acute exacerbation 295.75 remission 295.76 Schizoaffective disorder, increased of the context of the contex	295.70	unspecified	RB Map	F25.8	Other schizoaffective disorders
295.71 Schizoaffective disorder, subchronic yellow schizoaffective disorder, unspecified PMap P25.9 Schizoaffective disorder, subchronic with acute exacerbation PMap P25.9 Schizoaffective disorder, unspecified Schizoaffective disorder, unspecified PMap P25.9 Other schizophrenia P25.9 Other schizophrenia P25.9 Other schizophrenia PPAP P25.9 Other schizophrenia PPAP P25.9 Other schizophrenia PPAP P25.9 Other schizophrenia PPAP					
295.72 Schizzaffective disorder, chronic FMap F25.9 Schizzaffective disorder, unspecified Schizzaffective disorder, chronic with acute exacerbation Schizzaffective disorder, chronic with acute exacerbation Schizzaffective disorder, in remission FMap F25.9 Schizzaffective disorder, unspecified Schizzaffective disorder, unspecified Schizzaffective disorder, unspecified PMap F25.9 Schizzaffective disorder, unspecified Schizzaffective disorder, unspecified Schizzaffective disorder, unspecified PMap F25.9 Schizzaffective disorder, unspecified Schizzaffective disorder, unspecified PMap F25.9 Schizzaffective disorder, unspecified Other specified types of Schizzaffective disorder, unspecified PMap F25.9 Schizzaffective disorder, unspecified PPAP F20.89 Other schizzophrenia PPAP F20.9 Schizzaffective disorder, unspecified PPAP F20.9 Schizzaffective disorder, unspecified PPAP F20.9 Schizzaffective disorder, supperimal PPAP F20.9 Schizzaffective disorder, supperimal PPAP F20.9 Sc					
Schizoaffective disorder, subchronic with acute exacerbation					
295.74 with acute exacerbation	295.72		F Map	F25.9	Schizoaffective disorder, unspecified
Schizoaffective disorder, chronic with acute exacerbation F Map F25.9 Schizoaffective disorder, unspecified	205.52	*	E.) (F25.0	
Schizoaffective disorder, unspecified Schi	295.73		F Map	F25.9	Schizoaffective disorder, unspecified
Schizoaffective disorder, in remission 295.80 Other specified types of schizophrenia, unspecified Other specified types of schizophrenia, subchronic Other specified types of schizophrenia, subchronic Other specified types of schizophrenia, subchronic with acute exacerbation Other specified types of schizophrenia, in remission Disposed, unspecified Other specified types of schizophrenia, in remission Disposed, unspecified EMAP P20.89 Other schizophrenia O	205.74		E Mon	E25.0	Schizooffoctive disorder unspecified
295.80 Other specified types of schizophrenia, unspecified ypes of schizophrenia, chronic with acute exacerbation F Map F20.89 Other schizophrenia	293.74		г мар	F23.9	Schizoarrective disorder, unspectified
Other specified types of schizophrenia, unspecified pyses of schizophrenia, unspecified pyses of schizophrenia, subchronic pyses of schizophrenia, specified pyses of schizophrenia, specified pyses of schizophrenia, chronic pyses of schizophrenia, specified pyses of schizophrenia, specified pyses of schizophrenia, specified pyses of schizophrenia, chronic with acute exacerbation puspecified schizophrenia, unspecified pyses of schizophrenia, in remission pyses of schizophrenia, in remission pyses of unspecified schizophrenia, in remission pyses of schizophrenia,	295 75		F Man	F25 9	Schizoaffective disorder unspecified
295.81 schizophrenia, unspecified of schizophrenia, subchronic with acute exacerbation of the specified types of schizophrenia, subchronic with acute exacerbation of the specified types of schizophrenia, subchronic with acute exacerbation of the specified types of schizophrenia, subchronic with acute exacerbation of the specified types of schizophrenia, chronic with acute exacerbation of the specified types of schizophrenia, in remission of the specified schizophrenia, unspecified of unspecified schizophrenia, subchronic with acute exacerbation of unspecified schizophrenia, unspecified of unspecified schizophrenia, unspecified of unspecified schizophrenia, subchronic with acute exacerbation of unspecified schizophrenia, unspecified of unspecified schizophrenia, subchronic with acute exacerbation of unspecified schizophrenia, subchronic with acute exacerbation of unspecified schizophrenia, subchronic with acute exacerbation of properties of schizophrenia, subchronic without properti	473.13		1 Iviap	123.7	Semzoanceuve disorder, diispecinicu
Other specified types of schizophrenia, chronic Other specified types of schizophrenia, chronic Other specified types of schizophrenia, subchronic with acute exacerbation Other specified types of schizophrenia, chronic Other specified types of schizophrenia, chronic with acute exacerbation Other specified types of schizophrenia, chronic with acute exacerbation Other specified types of schizophrenia, in remission F Map F20.89 Other schizophrenia Unspecified schizophrenia, unspecified schizophrenia, unspecified schizophrenia, subchronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified schizophrenia, subchronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified Schizophrenia, chronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified Schizophrenia, chronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified Schizophrenia, chronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified Schizophrenia, chronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified Schizophrenia, chronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified Schizophrenia, chronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified Schizophrenia, chronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified Schizophrenia, chronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified With acute exacerbation F Map F30.10 Unspecified Schizophrenia, chronic With acute exacerbation F Map F30.10 Unspecified Schizophrenia, chronic With acute exacerbation F Map F30.10 Unspecified Schizophrenia, chronic With acute exacerbation F Map F30.10 Unspecified Schizophrenia, chronic With acute exacerbation F Map F30.10 Unspecified Schizophrenia, chronic With acute exacerbation F Map F30.10 Unspecified Schizophrenia, chronic With acute exacerbation F Map F30.11 With acute exacerbation F Map F30.12 With acute Exacerbation F Map F30.13 With acute Exacerbation F Map F30.13 With acute Exacerbation F Map F30.14 With acute Exacerbation F Map F30.14 With acute	295.80		F Map	F20.89	Other schizophrenia
295.81 schizophrenia, subchronic F Map F20.89 Other schizophrenia	2,0.00		1 1/100	120.09	Guier sembopmenta
Other specified types of schizophrenia, chronic F Map F20.89 Other schizophrenia	295.81		F Map	F20.89	Other schizophrenia
Other specified types of schizophrenia, subchronic with acute exacerbation Other specified types of schizophrenia, chronic with acute exacerbation Differ specified types of schizophrenia, in remission Unspecified schizophrenia, unspecified Un					•
Schizophrenia, subchronic with acute exacerbation F Map F20.89 Other schizophrenia	295.82	schizophrenia, chronic	F Map	F20.89	Other schizophrenia
295.83 acute exacerbation Other specified types of schizophrenia, chronic with acute exacerbation Unspecified schizophrenia, unspecified Unspecified schizophrenia, purple subscription of subscription of subscription of schizophrenia, in remission Unspecified schizophrenia, unspecified Unspecified schizophrenia, unspecified Unspecified schizophrenia, unspecified Unspecified schizophrenia, subscription of subscri					
Other specified types of schizophrenia, chronic with acute exacerbation 295.84 Other specified types of schizophrenia, in remission Unspecified schizophrenia, unspecified Unspecified schizophrenia, subchronic Unspecified schizophrenia, chronic Unspecified schizophrenia, branch in remission Unspecified schizophrenia, chronic With acute exacerbation Unspecified schizophrenia, chronic With acute exacerbation Unspecified schizophrenia, chronic With acute exacerbation Unspecified schizophrenia, in remission F Map F20.9 Schizophrenia, unspecified Unspecified Unspecified schizophrenia, unspecified Wanic episode without psychotic symptoms, unspecified Bipolar I disorder, single manic episode, unspecified Bipolar I disorder, single manic episode, unspecified Bipolar I disorder, single manic episode, severe, without mention of psychotic symptoms, mild Bipolar I disorder, single manic episode, severe, without mention of episode, severe, specified as with psychotic symptoms Bipolar I disorder, single manic episode, severe, specified as with episode, severe, specified as with episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified remission Bipolar I disorder, single manic episode, in partial or unspecified remission Bipolar I disorder, single manic episode, in partial remission Bipolar I disorder, single manic episode, in partial remission Bipolar I disorder, single manic episode, in partial remission Bipolar I disorder, single manic episode, in partial remissi					
Schizophrenia, chronic with acute F Map F20.89 Other schizophrenia	295.83		F Map	F20.89	Other schizophrenia
295.84 exacerbation F Map F20.89 Other schizophrenia					
Other specified types of schizophrenia, in remission Unspecified schizophrenia, unspecified Unspecified schizophrenia, subschronic Unspecified schizophrenia, subschronic Unspecified schizophrenia, chronic Unspecified schizophrenia, chronic Unspecified schizophrenia, subchronic Unspecified schizophrenia, chronic Unspecified schizophrenia, chronic With acute exacerbation Unspecified schizophrenia, in remission F Map F20.9 Schizophrenia, unspecified Unspecified schizophrenia, chronic with acute exacerbation Unspecified schizophrenia, in remission F Map F20.9 Schizophrenia, unspecified Unspecified schizophrenia, in remission F Map F20.9 Schizophrenia, unspecified Unspecified schizophrenia, in remission F Map F20.9 Schizophrenia, unspecified Wanic episode without psychotic symptoms, unspecified Bipolar I disorder, single manic episode, unspecified Bipolar I disorder, single manic episode, mild F Map F30.11 Bipolar I disorder, single manic episode, moderate Bipolar I disorder, single manic episode, severe, without psychotic symptoms, moderate Bipolar I disorder, single manic episode, severe, without psychotic symptoms Bipolar I disorder, single manic episode, severe, without psychotic symptoms Bipolar I disorder, single manic episode, severe, without psychotic symptoms Bipolar I disorder, single manic episode, in partial or unspecified P Map F30.13 Manic episode in partial remission Bipolar I disorder, single manic episode, in partial remission Bipolar I disorder, single manic episode, in unspecified sevinout psychotic symptoms Bipolar I disorder, single manic episode, in unspecified sevinout psychotic symptoms Bipolar I disorder, single manic episode, in unspecified sevinout psychotic symptoms Bi	207.04			530 00	
295.95 Schizophrenia, in remission F Map F20.89 Other schizophrenia Unspecified schizophrenia, unspecified RB Map F20.3 Undifferentiated schizophrenia Unspecified schizophrenia, unspecified F Map F20.9 Schizophrenia, unspecified Unspecified schizophrenia, chronic F Map F20.9 Schizophrenia, unspecified Unspecified schizophrenia, chronic E Map F20.9 Schizophrenia, unspecified Unspecified schizophrenia, chronic E Map F20.9 Schizophrenia, unspecified Unspecified schizophrenia, chronic Unspecified schizophrenia, chronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified Unspecified schizophrenia, chronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified Unspecified schizophrenia, chronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified Unspecified schizophrenia, chronic F Map F20.9 Schizophrenia, unspecified Unspecified schizophrenia, in remission F Map F20.9 Schizophrenia, unspecified P Map F30.10 Manic episode without psychotic symptoms, unspecified P Map F30.10 Manic episode without psychotic symptoms, unspecified P Map F30.11 Manic episode without psychotic symptoms, moderate P Map F30.11 Manic episode without psychotic symptoms, moderate P Map F30.11 Manic episode without psychotic symptoms, moderate P Map F30.13 Manic episode, severe, without psychotic symptoms P Map F30.13 Manic episode, severe with psychotic symptoms P Map F30.13 Manic episode, severe with psychotic symptoms P Map F30.2 Manic episode in partial remission P Map F30.4 Manic episode in full remission Manic episode without psychotic symptoms, moderate P Map F30.4 Manic episode without psychotic symptoms, moderate P Map F30.4 Manic episode without psychotic symptoms, moderate P Map F30.4 Manic episode without psychotic symptoms, moderate P Map	295.84		F Map	F20.89	Other schizophrenia
Unspecified schizophrenia, unspecified Unspecified schizophrenia, unspecified Schizophrenia, unspecified Unspecified schizophrenia, subchronic F Map F20.9 Schizophrenia, unspecified Schizophrenia, subchronic F Map F20.9 Schizophrenia, unspecified Unspecified schizophrenia, chronic Unspecified schizophrenia, chronic Unspecified schizophrenia, chronic Unspecified schizophrenia, chronic With acute exacerbation F Map F20.9 Schizophrenia, unspecified Unspecified Schizophrenia, in remission F Map F20.9 Schizophrenia, unspecified Manic episode, unspecified P Map F30.10 Wanic episode Without psychotic symptoms, unspecified RB Map F30.10 Wanic episode without psychotic symptoms, with disorder, single manic episode, mild F Map F30.11 Wanic episode without psychotic symptoms, episode, moderate F Map F30.12 Wanic episode without psychotic symptoms, episode, moderate F Map F30.12 Wanic episode, severe, without mention of psychotic behavior F Map F30.13 Symptoms Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior F Map F30.13 Symptoms Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior F Map F30.2 Symptoms Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior F Map F30.2 Symptoms Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior F Map F30.3 Manic episode in partial remission Bipolar I disorder, single manic episode, in partial or unspecified remission F Map F30.4 Manic episode in full remission Manic episode without psychotic symptoms, Manic episode without ps	205.05		E Mon	E20.80	Other achigenhamic
Unspecified Comparison Co	293.63	Unspecified schizophrania	r wap	F20.69	Other schizophrenia
Unspecified schizophrenia, unspecified Unspecified schizophrenia, subchronic 295.91 Unspecified schizophrenia, chronic 295.92 Unspecified schizophrenia, chronic 295.93 Unspecified schizophrenia, chronic 295.94 With acute exacerbation 295.95 With acute exacerbation 295.96 With acute exacerbation 295.97 With acute exacerbation 295.98 With acute exacerbation 295.99 Schizophrenia, unspecified 295.99 Schizophrenia, unspecified 295.90 Schizophrenia, unspecified 295.90 Schizophrenia, unspecified 295.91 With acute exacerbation 295.92 Unspecified schizophrenia, chronic 295.93 With acute exacerbation 295.94 With acute exacerbation 295.95 PMap 296.00 Pipolar I disorder, single manic 296.00 episode, unspecified 296.00 Bipolar I disorder, single manic 296.01 Episode, mild 296.02 Episode, moderate 296.03 Epipolar I disorder, single manic 296.04 Episode, severe, without mention of 296.05 Episode, in partial or unspecified 296.06 PMap 296.07 FMap 296.08 PMap 296.09 PManic episode without psychotic symptoms, 296.09 PManic episode without psychotic symptoms, 296.00 PManic episode without psychotic symptoms, 296.01 PMap 296.02 PMap 296.03 PManic episode, without psychotic symptoms, 296.04 PMap 296.05 PMap 296.06 PMap 296.07 PMap 296.08 PMap 296.09 PManic episode, without psychotic symptoms, 296.00 PManic episode, severe, without psychotic 296.01 PMap 296.02 PMap 296.03 PMap 296.04 PMap 296.05 PMap 296.06 PMap 296.07 PMap 296.08 PMap 296.09 PMap 296.09 PManic episode without psychotic symptoms, 296.00 PMap 296.00	295 90	unspecified	RR Man	F20.3	Undifferentiated schizophrenia
295.90 unspecified F Map F20.9 Schizophrenia, unspecified	273.70		KD Map	1 20.3	Charterentiated semzophiema
Unspecified schizophrenia, subchronic F Map F20.9 Schizophrenia, unspecified	295.90		F Map	F20.9	Schizophrenia, unspecified
295.91subchronicF MapF20.9Schizophrenia, unspecified295.92Unspecified schizophrenia, subchronic with acute exacerbationF MapF20.9Schizophrenia, unspecified295.93Unspecified schizophrenia, chronic with acute exacerbationF MapF20.9Schizophrenia, unspecified295.94Unspecified schizophrenia, chronic with acute exacerbationF MapF20.9Schizophrenia, unspecified295.95Unspecified schizophrenia, in remissionF MapF20.9Schizophrenia, unspecified296.00Bipolar I disorder, single manic episode, unspecifiedF MapF30.10Manic episode without psychotic symptoms, unspecified296.01Bipolar I disorder, single manic episode, mildF MapF30.11Manic episode without psychotic symptoms, mild296.02Bipolar I disorder, single manic episode, moderateF MapF30.12Manic episode without psychotic symptoms, moderate296.03Bipolar I disorder, single manic episode, severe, without mention of psychotic behaviorF MapF30.13Manic episode, severe, without psychotic symptoms296.04Bipolar I disorder, single manic episode, in partial or unspecified remissionF MapF30.2Manic episode in partial remission296.05Bipolar I disorder, single manic episode, in full remissionF MapF30.3Manic episode in partial remission296.06Bipolar I disorder, single manic episode, in full remissionF MapF30.4Manic episode without psychotic symptoms,					
Unspecified schizophrenia, subchronic with acute exacerbation Unspecified schizophrenia, chronic with acute exacerbation Unspecified schizophrenia, chronic with acute exacerbation Unspecified schizophrenia, in remission P Map P F20.9 Schizophrenia, unspecified Unspecified schizophrenia, in remission P Map P F20.9 Schizophrenia, unspecified Unspecified schizophrenia, in remission P Map P F20.9 Schizophrenia, unspecified Manic episode without psychotic symptoms, unspecified Bipolar I disorder, single manic episode, unspecified Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified P Map P F30.13 Bipolar I disorder, single manic episode, in partial or unspecified P Map P F30.2 Bipolar I disorder, single manic episode, in partial or unspecified P Map P F30.3 Manic episode in partial remission Manic episode in full remission Manic episode without psychotic symptoms, Manic episode in full remission Manic episode without psychotic symptoms, Manic episode in full remission	295.91			F20.9	
Schizophrenia, unspecified Schizophrenia, unspecified	295.92		F Map	F20.9	Schizophrenia, unspecified
Unspecified schizophrenia, chronic with acute exacerbation P Map P Schizophrenia, unspecified Unspecified schizophrenia, in remission Bipolar I disorder, single manic episode, unspecified Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, moderate Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode without psychotic symptoms, Bipolar I disorder, single manic episode in full remission Manic episode without psychotic symptoms					
295.94 with acute exacerbation F Map F20.9 Schizophrenia, unspecified	295.93		F Map	F20.9	Schizophrenia, unspecified
Unspecified schizophrenia, in remission Bipolar I disorder, single manic episode, unspecified Bipolar I disorder, single manic episode, mild F Map F30.10 Manic episode without psychotic symptoms, unspecified Manic episode, unspecified Manic episode, unspecified Manic episode, unspecified Manic episode without psychotic symptoms, mild Manic episode without psychotic symptoms, moderate Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, in partial or unspecified P Map F30.13 Manic episode, severe with psychotic symptoms Manic episode, severe with psychotic symptoms F Map F30.2 Manic episode in partial remission Bipolar I disorder, single manic episode, in partial remission Bipolar I disorder, single manic episode, in partial remission F Map F30.3 Manic episode in full remission Manic episode without psychotic symptoms, Manic episode in full remission Manic episode without psychotic symptoms,					
295.95 remission F Map F20.9 Schizophrenia, unspecified Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, moderate Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial or unspecified Bipolar I disorder, single manic episode, in partial remission F Map F30.3 Manic episode in partial remission Bipolar I disorder, single manic episode, in full remission F Map F30.4 Manic episode without psychotic symptoms, Manic episode without psychotic symptoms, Manic episode in full remission	295.94		F Map	F20.9	Schizophrenia, unspecified
Bipolar I disorder, single manic episode, unspecified Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, moderate Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, in partial or unspecified remission F Map F30.13 Manic episode without psychotic symptoms, mild Manic episode, severe with psychotic symptoms Manic episode, severe with psychotic symptoms F Map F30.2 Manic episode in partial remission F Map F30.3 Manic episode in partial remission Manic episode in full remission Manic episode without psychotic symptoms, mild Manic episode in full remission Manic episode without psychotic symptoms, mild Manic episode without psychotic symptoms, mild Manic episode in partial remission	205.05		EM	F20.0	
296.00 episode, unspecified F Map F30.10 unspecified Bipolar I disorder, single manic episode, unspecified Bipolar I disorder, single manic episode, unspecified Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, moderate Bipolar I disorder, single manic episode, moderate Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, in partial or unspecified P Map F30.13 psymptoms F Map F30.2 psymptoms Bipolar I disorder, single manic episode, in partial or unspecified P Map F30.3 psymptoms Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode in full remission Bipolar I disorder, single manic episode in full remission Manic episode in full remission Manic episode without psychotic symptoms, Manic episode in full remission	295.95		г мар	F20.9	
Bipolar I disorder, single manic episode, unspecified Bipolar I disorder, single manic episode, unspecified Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, moderate Bipolar I disorder, single manic episode, moderate Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, in partial or unspecified remission Bipolar I disorder, single manic episode, in partial or unspecified remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission F Map F30.2 Manic episode, unspecified Manic episode without psychotic symptoms, Manic episode, severe with psychotic symptoms F Map F30.2 Manic episode in partial remission Manic episode in full remission Manic episode in full remission Manic episode without psychotic symptoms, Manic episode in full remission	206.00		E Man	F30 10	1 1 1 1 1
296.00 episode, unspecified Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, moderate Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, in partial or unspecified remission F Map F30.1 F Map F30.2 Bipolar I disorder, single manic episode, in partial or unspecified remission F Map F30.3 Manic episode, unspecified Manic episode without psychotic symptoms Manic episode, severe with psychotic symptoms Manic episode in partial remission F Map F30.4 Manic episode in full remission Manic episode in full remission Manic episode without psychotic symptoms, Manic episode in full remission	290.00		r wap	F30.10	unspectned
Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, mild Bipolar I disorder, single manic episode, moderate Bipolar I disorder, single manic episode, moderate Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, severe with psychotic symptoms F Map F30.13 Manic episode, severe, without psychotic symptoms Manic episode, severe with psychotic symptoms F Map F30.2 Symptoms F Map F30.3 Manic episode in partial remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Manic episode in full remission Manic episode without psychotic symptoms, Manic episode in full remission Manic episode in full remission Manic episode without psychotic symptoms, Manic episode in full remission	296.00		RR Man	F30.9	Manic enisode unspecified
296.02 episode, mild F Map F30.11 mild Bipolar I disorder, single manic episode, moderate F Map F30.12 moderate Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior F Map F30.13 symptoms Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior F Map F30.2 symptoms 296.04 psychotic behavior F Map F30.2 symptoms Bipolar I disorder, single manic episode, in partial or unspecified remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, recurrent Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, recurrent Manic episode in full remission Manic episode without psychotic symptoms, Manic episode in full remission	270.00	Bipolar I disorder, single manic	TtD Iviup	130.9	
Bipolar I disorder, single manic episode, moderate Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, in partial or unspecified remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, recurrent Bipolar I disorder, single manic episode in full remission Manic episode in full remission Manic episode without psychotic symptoms,	296.01		F Map	F30.11	
296.02 episode, moderate F Map F30.12 moderate Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior F Map F30.13 symptoms Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior F Map F30.2 symptoms 296.04 psychotic behavior F Map F30.2 symptoms Bipolar I disorder, single manic episode, in partial or unspecified remission F Map F30.3 Manic episode in partial remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, recurrent Manic episode in full remission Manic episode in full remission Manic episode without psychotic symptoms,					
episode, severe, without mention of psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, in partial or unspecified remission F Map F30.2 Bipolar I disorder, single manic episode, in partial or unspecified remission F Map F30.3 Manic episode, severe, without psychotic symptoms Manic episode, severe with psychotic symptoms F Map F30.3 Manic episode in partial remission F Map F30.4 Manic episode in full remission Manic episode without psychotic symptoms,	296.02		F Map	F30.12	1 1 1 1 1
296.03 psychotic behavior F Map F30.13 symptoms Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior F Map F30.2 symptoms Bipolar I disorder, single manic episode, in partial or unspecified remission F Map F30.3 Manic episode in partial remission Bipolar I disorder, single manic episode, in full remission Bipolar I disorder, single manic episode, in full remission F Map F30.13 symptoms Manic episode, severe with psychotic symptoms F Map F30.2 symptoms F Map F30.2 symptoms F Map F30.3 Manic episode in partial remission Manic episode in full remission Manic episode without psychotic symptoms,		Bipolar I disorder, single manic			
Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior F Map F30.2 symptoms Bipolar I disorder, single manic episode, in partial or unspecified remission F Map F30.3 Manic episode in partial remission Bipolar I disorder, single manic episode, in partial or unspecified remission F Map F30.3 Manic episode in partial remission Bipolar I disorder, single manic episode, in full remission F Map F30.4 Manic episode in full remission Manic episode without psychotic symptoms,		episode, severe, without mention of			Manic episode, severe, without psychotic
episode, severe, specified as with psychotic behavior Bipolar I disorder, single manic episode, in partial or unspecified remission F Map F30.2 Manic episode, severe with psychotic symptoms F Map F30.3 Manic episode in partial remission F Map F30.4 Manic episode in full remission Manic episode in full remission Manic episode without psychotic symptoms,	296.03		F Map	F30.13	symptoms
296.04 psychotic behavior F Map F30.2 symptoms Bipolar I disorder, single manic episode, in partial or unspecified remission Bipolar I disorder, single manic episode, in full remission F Map F30.3 Manic episode in partial remission Bipolar I disorder, single manic episode, in full remission F Map F30.4 Manic episode in full remission Manic affective disorder, recurrent Manic episode without psychotic symptoms,					
Bipolar I disorder, single manic episode, in partial or unspecified remission Bipolar I disorder, single manic episode in partial remission Bipolar I disorder, single manic episode, in full remission F Map F30.3 Manic episode in partial remission Bipolar I disorder, single manic episode in full remission F Map F30.4 Manic episode in full remission Manic affective disorder, recurrent Manic episode without psychotic symptoms,	206.04		EM	F20.0	
episode, in partial or unspecified remission Bipolar I disorder, single manic episode, in full remission F Map F30.3 Manic episode in partial remission F Map F30.4 Manic episode in full remission Manic affective disorder, recurrent Manic episode without psychotic symptoms,	296.04		F Map	F30.2	symptoms
296.05 remission F Map F30.3 Manic episode in partial remission Bipolar I disorder, single manic episode, in full remission F Map F30.4 Manic episode in full remission 296.06 Manic affective disorder, recurrent F Map F30.4 Manic episode in full remission Manic episode without psychotic symptoms,					
Bipolar I disorder, single manic episode, in full remission F Map F30.4 Manic episode in full remission Manic affective disorder, recurrent Manic episode without psychotic symptoms,	296.05		F Man	F30.3	Manic episode in partial remission
296.06 episode, in full remission F Map F30.4 Manic episode in full remission Manic affective disorder, recurrent Manic episode without psychotic symptoms,	490.03	Rinolar I disorder single manic	1. Iviap	1.20.2	wante episode in partial fellission
Manic affective disorder, recurrent Manic episode without psychotic symptoms,	296.06		F Man	F30.4	Manic episode in full remission
	-, 5.00		2 271mp	155.1	
	296.10		F Map	F30.10	

ICD-9	ICD 9 Description	Map	ICD-10	ICD-10 Description
Code	ICD-9 Description Manic affective disorder, recurrent	Type	Code	ICD-10 Description Manic episode without psychotic symptoms,
296.11	episode, mild	F Map	F30.11	mild
	Manic affective disorder, recurrent			Manic episode without psychotic symptoms,
296.12	episode, moderate	F Map	F30.12	moderate
	Manic affective disorder, recurrent			
20612	episode, severe, without mention of	E14	F20.12	Manic episode, severe, without psychotic
296.13	psychotic behavior Manic affective disorder, recurrent	F Map	F30.13	symptoms
	episode, severe, specified as with			Manic episode, severe with psychotic
296.14	psychotic behavior	F Map	F30.2	symptoms
	Manic affective disorder, recurrent			
	episode, in partial or unspecified			
296.15	remission	F Map	F30.3	Manic episode in partial remission
206.16	Manic affective disorder, recurrent	E14	F20.4	M
296.16	episode, in full remission Major depressive affective disorder,	F Map	F30.4	Manic episode in full remission Major depressive disorder, single episode,
296.20	single episode, unspecified	F Map	F32.9	unspecified
270.20	Major depressive affective disorder,	1 Wap	1 32.9	Major depressive disorder, single episode,
296.21	single episode, mild	F Map	F32.0	mild
	Major depressive affective disorder,			Major depressive disorder, single episode,
296.22	single episode, moderate	F Map	F32.1	moderate
	Major depressive affective disorder,			Major donner 12 1 1 1 1 1 1 1
206.22	single episode, severe, without mention of psychotic behavior	F Map	F32.2	Major depressive disorder, single episode, severe without psychotic features
296.23	Major depressive affective disorder,	F Map	F32.2	severe without psychotic features
	single episode, severe, specified as			Major depressive disorder, single episode,
296.24	with psychotic behavior	F Map	F32.3	severe with psychotic features
	Major depressive affective disorder,			• •
	single episode, in partial or			Major depressive disorder, single episode, in
296.25	unspecified remission	F Map	F32.4	partial remission
206.26	Major depressive affective disorder,	EMon	F32.5	Major depressive disorder, single episode, in full remission
296.26	single episode, in full remission Major depressive affective disorder,	F Map	F32.3	Major depressive disorder, recurrent, in
296.30	recurrent episode, unspecified	RB Map	F33.40	remission, unspecified
	Major depressive affective disorder,			Major depressive disorder, recurrent,
296.30	recurrent episode, unspecified	F Map	F33.9	unspecified
	Major depressive affective disorder,			
296.31	recurrent episode, mild	F Map	F33.0	Major depressive disorder, recurrent, mild
296.32	Major depressive affective disorder, recurrent episode, moderate	E Mon	F33.1	Major depressive disorder, recurrent, moderate
290.32	Major depressive affective disorder,	F Map	1.33.1	moderate
	recurrent episode, severe, without			Major depressive disorder, recurrent severe
296.33	mention of psychotic behavior	F Map	F33.2	without psychotic features
	Major depressive affective disorder,			
	recurrent episode, severe, specified			Major depressive disorder, recurrent, severe
296.34	as with psychotic behavior	F Map	F33.3	with psychotic symptoms
	Major depressive affective disorder,			Major depressive disorder requerent in
296.35	recurrent episode, in partial or unspecified remission	F Map	F33.41	Major depressive disorder, recurrent, in partial remission
270.33	Major depressive affective disorder,	1 Wap	1 33.71	Major depressive disorder, recurrent, in full
296.36	recurrent episode, in full remission	F Map	F33.42	remission
	Bipolar I disorder, most recent			
	episode (or current) manic,			
296.40	unspecified	RB Map	F31.0	Bipolar disorder, current episode hypomanic
	Bipolar I disorder, most recent			Dinclor disorder
296.40	episode (or current) manic, unspecified	F Map	F31.10	Bipolar disorder, current episode manic without psychotic features, unspecified
270. 4 0	Bipolar I disorder, most recent	1 Iviap	1 31.10	without psychotic reatures, unspecified
	episode (or current) manic,			
296.40	unspecified	RB Map	F31.89	Other bipolar disorder
	Bipolar I disorder, most recent			Bipolar disorder, current episode manic
296.41	episode (or current) manic, mild	F Map	F31.11	without psychotic features, mild
	Bipolar I disorder, most recent			
206.42	episode (or current) manic,	E Mon	E31 12	Bipolar disorder, current episode manic
296.42	moderate Bipolar I disorder, most recent	F Map	F31.12	without psychotic features, moderate
	episode (or current) manic, severe,			
	without mention of psychotic			Bipolar disorder, current episode manic
296.43	behavior	F Map	F31.13	without psychotic features, severe

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description
	Bipolar I disorder, most recent episode (or current) manic, severe,			Bipolar disorder, current episode manic
296.44	specified as with psychotic behavior	F Map	F31.2	severe with psychotic features
	Bipolar I disorder, most recent			
206.45	episode (or current) manic, in partial	EM	F21 72	Bipolar disorder, in partial remission, most
296.45	or unspecified remission Bipolar I disorder, most recent	F Map	F31.73	recent episode manic
	episode (or current) manic, in full			Bipolar disorder, in full remission, most
296.46	remission	F Map	F31.74	recent episode manic
	Bipolar I disorder, most recent episode (or current) depressed,			Discless discorder assessment asiand a decreased
296.50	unspecified unspecified	F Map	F31.30	Bipolar disorder, current episode depressed, mild or moderate severity, unspecified
	Bipolar I disorder, most recent			Bipolar disorder, current episode depressed,
296.51	episode (or current) depressed, mild	F Map	F31.31	mild
	Bipolar I disorder, most recent episode (or current) depressed,			Bipolar disorder, current episode depressed,
296.52	moderate	F Map	F31.32	moderate
	Bipolar I disorder, most recent			
	episode (or current) depressed,			
296.53	severe, without mention of psychotic behavior	F Map	F31.4	Bipolar disorder, current episode depressed, severe, without psychotic features
270.33	Bipolar I disorder, most recent	1 Wap	131.4	severe, without psychotic reatures
	episode (or current) depressed,			
296.54	severe, specified as with psychotic behavior	E Mon	E21.5	Bipolar disorder, current episode depressed, severe, with psychotic features
290.34	Bipolar I disorder, most recent	F Map	F31.5	severe, with psychotic reatures
	episode (or current) depressed, in			Bipolar disorder, in partial remission, most
296.55	partial or unspecified remission	F Map	F31.75	recent episode depressed
	Bipolar I disorder, most recent episode (or current) depressed, in			Bipolar disorder, in full remission, most
296.56	full remission	F Map	F31.76	recent episode depressed
	Bipolar I disorder, most recent	•		
207.70	episode (or current) mixed,	EM	E21 (0	Bipolar disorder, current episode mixed, unspecified
296.60	unspecified Bipolar I disorder, most recent	F Map	F31.60	unspecified
296.61	episode (or current) mixed, mild	F Map	F31.61	Bipolar disorder, current episode mixed, mild
	Bipolar I disorder, most recent			
296.62	episode (or current) mixed, moderate	F Map	F31.62	Bipolar disorder, current episode mixed, moderate
	Bipolar I disorder, most recent			
	episode (or current) mixed, severe,			
296.63	without mention of psychotic behavior	F Map	F31.63	Bipolar disorder, current episode mixed, severe, without psychotic features
270.03	Bipolar I disorder, most recent	1 1414	131.03	severe, without psychotic reatures
	episode (or current) mixed, severe,			Bipolar disorder, current episode mixed,
296.64	specified as with psychotic behavior Bipolar I disorder, most recent	F Map	F31.64	severe, with psychotic features
	episode (or current) mixed, in			Bipolar disorder, in partial remission, most
296.65	partial or unspecified remission	F Map	F31.77	recent episode mixed
	Bipolar I disorder, most recent			D. 1 1. 1 . C.11
296.66	episode (or current) mixed, in full remission	F Map	F31.78	Bipolar disorder, in full remission, most recent episode mixed
2,5.00	Bipolar I disorder, most recent	- 111up	151.75	Bipolar disorder, currently in remission, most
296.7	episode (or current) unspecified	RB Map	F31.70	recent episode unspecified
296.7	Bipolar I disorder, most recent	DD Man	E31 71	Bipolar disorder, in partial remission, most
290.7	episode (or current) unspecified Bipolar I disorder, most recent	RB Map	F31.71	recent episode hypomanic Bipolar disorder, in full remission, most
296.7	episode (or current) unspecified	RB Map	F31.72	recent episode hypomanic
2067	Bipolar I disorder, most recent	EM	E21.0	Disease disease (C.)
296.7 296.80	episode (or current) unspecified Bipolar disorder, unspecified	F Map F Map	F31.9 F31.9	Bipolar disorder, unspecified Bipolar disorder, unspecified
296.80	Atypical manic disorder	F Map	F30.8	Other manic episodes
296.82	Atypical depressive disorder	F Map	F32.89	Other specified depressive episodes
296.89	Other bipolar disorders	F Map	F31.81	Bipolar II disorder
296.90	Unspecified episodic mood disorder Other specified episodic mood	F Map	F39.	Unspecified mood [affective] disorder
296.99	disorder	RB Map	F33.8	Other recurrent depressive disorders
	Other specified episodic mood	•		·
296.99	disorder	F Map	F34.81	Disruptive mood dysregulation disorder

ICD-9		Map	ICD-10	
Code	ICD-9 Description Other specified episodic mood	Type	Code	ICD-10 Description
296.99	disorder	F Map	F34.89	Other specified persistent mood disorders
	Other specified episodic mood			Persistent mood [affective] disorder,
296.99	disorder	RB Map	F34.9	unspecified
297.0	Paranoid state, simple	F Map	F22.	Delusional disorders
297.1	Delusional disorder	F Map	F22.	Delusional disorders
297.2	Paraphrenia	F Map	F22.	Delusional disorders
297.3	Shared psychotic disorder Other specified paranoid states	F Map	F24.	Shared psychotic disorder
297.8 297.9	Unspecified paranoid states Unspecified paranoid state	F Map	F22. F23.	Delusional disorders Brief psychotic disorder
291.9	Unspectfied paranoid state	F Map	F23.	Major depressive disorder, single episode,
298.0	Depressive type psychosis	F Map	F32.3	severe with psychotic features
298.0	Depressive type psychosis	F Map	F33.3	Major depressive disorder, recurrent, severe with psychotic symptoms Other psychotic disorder not due to a
298.1	Excitative type psychosis	F Map	F28.	substance or known physiological condition
298.2	Reactive confusion	F Map	F44.89	Other dissociative and conversion disorders
298.3	Acute paranoid reaction	F Map	F23.	Brief psychotic disorder
298.4	Psychogenic paranoid psychosis	F Map	F23.	Brief psychotic disorder
298.8	Other and unspecified reactive psychosis	F Map	F23.	Brief psychotic disorder
				Other psychotic disorder not due to a
298.9	Unspecified psychosis	RB Map	F28.	substance or known physiological condition
				Unspecified psychosis not due to a substance
298.9	Unspecified psychosis	F Map	F29.	or known physiological condition
200.00	Autistic disorder, current or active	EM	E040	A 4 :- 4 : 4
299.00 299.01	state Autistic disorder, residual state	F Map F Map	F84.0 F84.0	Autistic disorder Autistic disorder
299.01	Childhood disintegrative disorder,	г мар	F64.U	Autistic disorder
299.10	current or active state	F Map	F84.3	Other childhood disintegrative disorder
200.11	Childhood disintegrative disorder,	EM	E942	Other shildhes dedictions are discorded
299.11	residual state Other specified pervasive	F Map	F84.3	Other childhood disintegrative disorder
	developmental disorders, current or			
299.80	active state	F Map	F84.5	Asperger's syndrome
	Other specified pervasive			
	developmental disorders, current or			
299.80	active state	F Map	F84.8	Other pervasive developmental disorders
	Other specified pervasive			
299.81	developmental disorders, residual state	F Map	F84.5	Asperger's syndrome
299.81	Other specified pervasive	г мар	Г64.3	Asperger's syndrome
	developmental disorders, residual			
299.81	state	F Map	F84.8	Other pervasive developmental disorders
	Unspecified pervasive			
	developmental disorder, current or			Pervasive developmental disorder,
299.90	active state	F Map	F84.9	unspecified
	Unspecified pervasive			Democios developmental discutan
299.91	developmental disorder, residual state	F Map	F84.9	Pervasive developmental disorder, unspecified
300.00	Anxiety state, unspecified	F Map	F41.9	Anxiety disorder, unspecified
300.00	Panic disorder without agoraphobia	F Map	F41.0	Panic disorder [episodic paroxysmal anxiety]
300.02	Generalized anxiety disorder	F Map	F41.1	Generalized anxiety disorder
300.09	Other anxiety states	RB Map	F41.3	Other mixed anxiety disorders
300.09	Other anxiety states	F Map	F41.8	Other specified anxiety disorders
300.10	Hysteria, unspecified	F Map	F44.9	Dissociative and conversion disorder, unspecified
300.11	Conversion disorder	F Map	F44.4	Conversion disorder with motor symptom or deficit
300.11	Conversion disorder	RB Map	F44.5	Conversion disorder with seizures or convulsions
		•		Conversion disorder with sensory symptom
300.11	Conversion disorder	F Map	F44.6	or deficit Conversion disorder with mixed symptom
300.11	Conversion disorder	RB Map	F44.7	presentation
300.12	Dissociative amnesia	F Map	F44.0	Dissociative amnesia
300.13	Dissociative fugue	F Map	F44.1	Dissociative fugue
300.14	Dissociative identity disorder	F Map	F44.81	Dissociative identity disorder

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description
	Dissociative disorder or reaction,	71		Dissociative and conversion disorder,
300.15	unspecified	F Map	F44.9	unspecified
	Factitious disorder with			
	predominantly psychological signs			
300.16	and symptoms	F Map	F44.89	Other dissociative and conversion disorders
	Factitious disorder with			
	predominantly psychological signs			Factitious disorder with predominantly
300.16	and symptoms	F Map	F68.11	psychological signs and symptoms
	Factitious disorder with			Factitious disorder with combined
	predominantly psychological signs			psychological and physical signs and
300.16	and symptoms	RB Map	F68.13	symptoms
	Other and unspecified factitious			
300.19	illness	RB Map	F44.2	Dissociative stupor
	Other and unspecified factitious			Other specified disorders of adult personality
300.19	illness	F Map	F68.8	and behavior
300.20	Phobia, unspecified	F Map	F40.9	Phobic anxiety disorder, unspecified
300.21	Agoraphobia with panic disorder	F Map	F40.01	Agoraphobia with panic disorder
	Agoraphobia without mention of			
300.22	panic attacks	RB Map	F40.00	Agoraphobia, unspecified
	Agoraphobia without mention of			
300.22	panic attacks	F Map	F40.02	Agoraphobia without panic disorder
300.23	Social phobia	F Map	F40.10	Social phobia, unspecified
300.23	Social phobia	RB Map	F40.11	Social phobia, generalized
300.29	Other isolated or specific phobias	RB Map	F40.210	Arachnophobia
300.29	Other isolated or specific phobias	F Map	F40.218	Other animal type phobia
300.29	Other isolated or specific phobias	RB Map	F40.220	Fear of thunderstorms
300.29	Other isolated or specific phobias	RB Map	F40.228	Other natural environment type phobia
300.29	Other isolated or specific phobias	RB Map	F40.230	Fear of blood
300.29	Other isolated or specific phobias	RB Map	F40.231	Fear of injections and transfusions
300.29	Other isolated or specific phobias	RB Map	F40.232	Fear of other medical care
300.29	Other isolated or specific phobias	RB Map	F40.233	Fear of injury
300.29	Other isolated or specific phobias	F Map	F40.240	Claustrophobia
300.29	Other isolated or specific phobias	F Map	F40.241	Acrophobia
300.29	Other isolated or specific phobias	RB Map	F40.242	Fear of bridges
300.29	Other isolated or specific phobias	RB Map	F40.243	Fear of flying
300.29	Other isolated or specific phobias	RB Map	F40.248	Other situational type phobia
300.29	Other isolated or specific phobias	RB Map	F40.248	Androphobia
300.29	Other isolated or specific phobias	RB Map	F40.290	Gynephobia
300.29	Other isolated or specific phobias	RB Map	F40.291	Other specified phobia
300.29	Other isolated or specific phobias	F Map	F40.298	Other specified phobia Other phobic anxiety disorders
	Obsessive-compulsive disorders			Mixed obsessional thoughts and acts
300.3		F Map	F42.2	
300.3	Obsessive-compulsive disorders	F Map	F42.3	Hoarding disorder
300.3	Obsessive-compulsive disorders	F Map	F42.8	Other obsessive-compulsive disorder
300.3	Obsessive-compulsive disorders	F Map	F42.9	Obsessive-compulsive disorder, unspecified
300.4	Dysthymic disorder	F Map	F34.1	Dysthymic disorder
				Other specified nonpsychotic mental
300.5	Neurasthenia	F Map	F48.8	disorders
300.6	Depersonalization disorder	F Map	F48.1	Depersonalization-derealization syndrome
300.7	Hypochondriasis	RB Map	F45.20	Hypochondriacal disorder, unspecified
300.7	Hypochondriasis	F Map	F45.21	Hypochondriasis
300.7	Hypochondriasis	F Map	F45.22	Body dysmorphic disorder
300.7	Hypochondriasis	RB Map	F45.29	Other hypochondriacal disorders
300.81	Somatization disorder	F Map	F45.0	Somatization disorder
	Undifferentiated somatoform			
300.82	disorder	F Map	F45.1	Undifferentiated somatoform disorder
	Undifferentiated somatoform			
	Chambre chilated somatoronii		E45.0	Somatoform disorder, unspecified
300.82	disorder	F Map	F45.9	
300.82 300.89		F Map F Map	F45.9 F45.8	Other somatoform disorders
	disorder			Other somatoform disorders Other specified nonpsychotic mental
	disorder			Other somatoform disorders
300.89	disorder Other somatoform disorders Other somatoform disorders	F Map	F45.8	Other somatoform disorders Other specified nonpsychotic mental
300.89	disorder Other somatoform disorders Other somatoform disorders Unspecified nonpsychotic mental disorder	F Map	F45.8	Other somatoform disorders Other specified nonpsychotic mental disorders
300.89	disorder Other somatoform disorders Other somatoform disorders Unspecified nonpsychotic mental disorder	F Map	F45.8 F48.8	Other somatoform disorders Other specified nonpsychotic mental
300.89	Other somatoform disorders Other somatoform disorders Unspecified nonpsychotic mental	F Map	F45.8 F48.8	Other somatoform disorders Other specified nonpsychotic mental disorders
300.89 300.89 300.9	disorder Other somatoform disorders Other somatoform disorders Unspecified nonpsychotic mental disorder Unspecified nonpsychotic mental disorder	F Map F Map	F45.8 F48.8 F48.9	Other somatoform disorders Other specified nonpsychotic mental disorders Nonpsychotic mental disorder, unspecified
300.89 300.89 300.9	Other somatoform disorders Other somatoform disorders Unspecified nonpsychotic mental disorder Unspecified nonpsychotic mental	F Map F Map F Map	F45.8 F48.8 F48.9	Other somatoform disorders Other specified nonpsychotic mental disorders Nonpsychotic mental disorder, unspecified Mental disorder, not otherwise specified
300.89 300.89 300.9	disorder Other somatoform disorders Other somatoform disorders Unspecified nonpsychotic mental disorder Unspecified nonpsychotic mental disorder Unspecified nonpsychotic mental disorder	F Map F Map	F45.8 F48.8 F48.9 F99.	Other somatoform disorders Other specified nonpsychotic mental disorders Nonpsychotic mental disorder, unspecified

ICD-9	T	Map	ICD-10	
Code	ICD-9 Description	Туре	Code	ICD-10 Description
	Unspecified nonpsychotic mental			•
300.9	disorder	RB Map	R45.6	Violent behavior
301.0	Paranoid personality disorder	F Map	F60.0	Paranoid personality disorder
	Affective personality disorder,			
301.10	unspecified	F Map	F34.0	Cyclothymic disorder
	Chronic hypomanic personality			
301.11	disorder	F Map	F60.89	Other specific personality disorders
201 12	Chronic depressive personality	EM	F24.1	D 4 ' 1' 1
301.12 301.13	disorder Cyclothymic disorder	F Map F Map	F34.1 F34.0	Dysthymic disorder Cyclothymic disorder
301.13	Schizoid personality disorder,	г мар	F34.0	Cyclothyllic disorder
301.20	unspecified	F Map	F60.1	Schizoid personality disorder
301.21	Introverted personality	F Map	F60.1	Schizoid personality disorder Schizoid personality disorder
301.22	Schizotypal personality disorder	F Map	F21.	Schizotypal disorder
301.3	Explosive personality disorder	F Map	F60.3	Borderline personality disorder
301.3	Obsessive-compulsive personality	1 iviup	1 00.5	Borderinie personanty disorder
301.4	disorder	F Map	F60.5	Obsessive-compulsive personality disorder
	Histrionic personality disorder,			
301.50	unspecified	F Map	F60.4	Histrionic personality disorder
	Chronic factitious illness with			
301.51	physical symptoms	RB Map	F68.10	Factitious disorder, unspecified
	Chronic factitious illness with			Factitious disorder with predominantly
301.51	physical symptoms	F Map	F68.12	physical signs and symptoms
				Factitious disorder with combined
	Chronic factitious illness with			psychological and physical signs and
301.51	physical symptoms	RB Map	F68.13	symptoms
301.59	Other histrionic personality disorder	F Map	F60.4	Histrionic personality disorder
301.6	Dependent personality disorder	F Map	F60.7	Dependent personality disorder
301.7	Antisocial personality disorder	F Map	F60.2	Antisocial personality disorder
301.82	Avoidant personality disorder	F Map	F60.6	Avoidant personality disorder
301.83	Borderline personality disorder	F Map	F60.3	Borderline personality disorder
301.84	Passive-aggressive personality	F Map	F60.89	Other specific personality disorders
301.89	Other personality disorders	F Map	F60.89	Other specific personality disorders
301.9	Unspecified personality disorder	F Map	F60.9	Personality disorder, unspecified
				Unspecified disorder of adult personality and
301.9	Unspecified personality disorder	RB Map	F69.	behavior
302.0	Ego-dystonic sexual orientation	F Map	F66.	Other sexual disorders
302.1	Zoophilia	F Map	F65.89	Other paraphilias
302.2	Pedophilia	F Map	F65.4	Pedophilia
302.3 302.4	Transvestic fetishism	F Map	F65.1	Transvestic fetishism Exhibitionism
302.4	Exhibitionism Trans-sexualism with unspecified	F Map	F65.2	EXHIBITIONISM
302.50	sexual history	F Map	F64.0	Transsexualism
302.30	Trans-sexualism with unspecified	r Map	F04.0	Transsexuarism
302.50	sexual history	F Map	Z87.890	Personal history of sex reassignment
302.30	Trans-sexualism with asexual	1 Wap	207.070	Tersonal history of sex reassignment
302.51	history	F Map	F64.0	Transsexualism
302.31	Trans-sexualism with homosexual	1 1114	101.0	Transportation
302.52	history	F Map	F64.0	Transsexualism
	Trans-sexualism with heterosexual			
302.53	history	F Map	F64.0	Transsexualism
302.6	Gender identity disorder in children	F Map	F64.2	Gender identity disorder of childhood
302.6	Gender identity disorder in children	RB Map	F64.8	Other gender identity disorders
302.6	Gender identity disorder in children	RB Map	F64.9	Gender identity disorder, unspecified
	Psychosexual dysfunction,			Unspecified sexual dysfunction not due to a
302.70	unspecified	RB Map	F52.9	substance or known physiological condition
	Psychosexual dysfunction,]	
302.70	unspecified	F Map	R37.	Sexual dysfunction, unspecified
202 7:		F	DEC A	Hypoactive sexual desire disorder
302.71	Hypoactive sexual desire disorder	F Map	F52.0	
202.72	Psychosexual dysfunction with	EM	E50.01	M. C. F. I
302.72	inhibited sexual excitement	F Map	F52.21	Male erectile disorder
202.72	Psychosexual dysfunction with	DD M.	E52.22	Female served arousel dissation
302.72	inhibited sexual excitement	RB Map	F52.22	Female sexual arousal disorder
202.72	Psychosexual dysfunction with	EMa-	E52.0	Other sexual dysfunction not due to a
302.72	inhibited sexual excitement	F Map	F52.8	substance or known physiological condition
302.73 302.74	Female orgasmic disorder	F Map F Map	F52.31 F52.32	Female orgasmic disorder Male orgasmic disorder
302.74	Male orgasmic disorder	F Map		Ü
304.13	Premature ejaculation	r map	F52.4	Premature ejaculation

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description
302.76	Dyspareunia, psychogenic	F Map	F52.6	Dyspareunia not due to a substance or known physiological condition
	Psychosexual dysfunction with			
202.70	other specified psychosexual dysfunctions	E Mon	E52 1	Sexual aversion disorder
302.79	Psychosexual dysfunction with	F Map	F52.1	Sexual aversion disorder
	other specified psychosexual			Other sexual dysfunction not due to a
302.79	dysfunctions	F Map	F52.8	substance or known physiological condition
302.81	Fetishism	F Map	F65.0	Fetishism
302.82	Voyeurism	F Map	F65.3	Voyeurism
302.83 302.84	Sexual masochism Sexual sadism	F Map RB Map	F65.51 F65.50	Sexual masochism Sadomasochism, unspecified
302.84	Sexual sadism Sexual sadism	F Map	F65.52	Sexual sadism
202.0.	Gender identity disorder in	1 1.14p	1 00.02	Serial Sacron
302.85	adolescents or adults	F Map	F64.1	Dual role transvestism
	Other specified psychosexual			
302.89	disorders Other specified psychosexual	F Map	F65.81	Frotteurism
302.89	disorders	F Map	F65.89	Other paraphilias
302.07	Other specified psychosexual	1 Wap	103.07	Other paraphinas
302.89	disorders	F Map	F66.	Other sexual disorders
302.9	Unspecified psychosexual disorder	F Map	F65.9	Paraphilia, unspecified
202.00	Acute alcoholic intoxication in	DDM	E10 220	Alcohol dependence with intoxication,
303.00	alcoholism, unspecified Acute alcoholic intoxication in	RB Map	F10.220	uncomplicated Alcohol dependence with intoxication,
303.00	alcoholism, unspecified	F Map	F10.229	unspecified
505.00	Acute alcoholic intoxication in	1 1/145	110.22	Alcohol dependence with intoxication,
303.01	alcoholism, continuous	RB Map	F10.220	uncomplicated
	Acute alcoholic intoxication in			Alcohol dependence with intoxication,
303.01	alcoholism, continuous	F Map	F10.229	unspecified
303.02	Acute alcoholic intoxication in alcoholism, episodic	RB Map	F10.220	Alcohol dependence with intoxication, uncomplicated
303.02	Acute alcoholic intoxication in	KD Map	110.220	Alcohol dependence with intoxication,
303.02	alcoholism, episodic	F Map	F10.229	unspecified
	Acute alcoholic intoxication in			Alcohol dependence with intoxication,
303.03	alcoholism, in remission	RB Map	F10.220	uncomplicated
303.03	Acute alcoholic intoxication in alcoholism, in remission	E Mon	F10.229	Alcohol dependence with intoxication, unspecified
505.05	Other and unspecified alcohol	F Map	F10.229	unspecificu
303.90	dependence, unspecified	F Map	F10.20	Alcohol dependence, uncomplicated
	Other and unspecified alcohol			, , , , , , , , , , , , , , , , , , , ,
303.91	dependence, continuous	F Map	F10.20	Alcohol dependence, uncomplicated
202.02	Other and unspecified alcohol	EM	E10.20	Alashal damandanaa yoo
303.92	dependence, episodic Other and unspecified alcohol	F Map	F10.20	Alcohol dependence, uncomplicated
303.93	dependence, in remission	F Map	F10.21	Alcohol dependence, in remission
	Opioid type dependence,			
304.00	unspecified	F Map	F11.20	Opioid dependence, uncomplicated
204.00	Opioid type dependence,	DD 14	E11 000	Opioid dependence with intoxication,
304.00	unspecified Opioid type dependence,	RB Map	F11.220	uncomplicated
304.00	Unspecified unspecified	RB Map	F11.221	Opioid dependence with intoxication delirium
501.00	Opioid type dependence,	1.2 1/10/		Opioid dependence with intoxication with
304.00	unspecified	RB Map	F11.222	perceptual disturbance
	Opioid type dependence,			Opioid dependence with intoxication,
304.00	unspecified	RB Map	F11.229	unspecified
304.00	Opioid type dependence, unspecified	RB Map	F11.23	Opioid dependence with withdrawal
20 7.00	Opioid type dependence,	TO Map	111.20	Opioid dependence with opioid-induced
304.00	unspecified	RB Map	F11.24	mood disorder
	Opioid type dependence,			Opioid dependence with opioid-induced
304.00	unspecified	RB Map	F11.250	psychotic disorder with delusions
304.00	Opioid type dependence,	DR Mor	F11.251	Opioid dependence with opioid-induced
304.00	unspecified Opioid type dependence,	RB Map	F11.231	psychotic disorder with hallucinations Opioid dependence with opioid-induced
304.00	unspecified	RB Map	F11.259	psychotic disorder, unspecified
	Opioid type dependence,	1.240		Opioid dependence with opioid-induced
304.00	unspecified	RB Map	F11.281	sexual dysfunction

ICD-9	TOD 0 D	Map	ICD-10	ICD 10 D
Code	ICD-9 Description	Type	Code	ICD-10 Description
304.00	Opioid type dependence, unspecified	RB Map	F11.282	Opioid dependence with opioid-induced sleep disorder
304.00	Opioid type dependence,	KB Map	111.202	Opioid dependence with other opioid-induced
304.00	unspecified	RB Map	F11.288	disorder
	Opioid type dependence,			Opioid dependence with unspecified opioid-
304.00	unspecified	RB Map	F11.29	induced disorder
204.01	Opioid type dependence,	EM	E11 20	Onivid demandance of the fi
304.01 304.02	continuous Opioid type dependence, episodic	F Map F Map	F11.20 F11.20	Opioid dependence, uncomplicated Opioid dependence, uncomplicated
304.02	Opioid type dependence, in	1 Wap	111.20	Opioid dependence, uncomplicated
304.03	remission	F Map	F11.21	Opioid dependence, in remission
	Sedative, hypnotic or anxiolytic			Sedative, hypnotic or anxiolytic dependence,
304.10	dependence, unspecified	F Map	F13.20	uncomplicated
204.10	Sedative, hypnotic or anxiolytic	DD M	E12 220	Sedative, hypnotic or anxiolytic dependence
304.10	dependence, unspecified Sedative, hypnotic or anxiolytic	RB Map	F13.220	with intoxication, uncomplicated Sedative, hypnotic or anxiolytic dependence
304.10	dependence, unspecified	RB Map	F13.221	with intoxication delirium
	Sedative, hypnotic or anxiolytic			Sedative, hypnotic or anxiolytic dependence
304.10	dependence, unspecified	RB Map	F13.229	with intoxication, unspecified
204.10	Sedative, hypnotic or anxiolytic	DD 3.6	E12.220	Sedative, hypnotic or anxiolytic dependence
304.10	dependence, unspecified Sedative, hypnotic or anxiolytic	RB Map	F13.230	with withdrawal, uncomplicated Sedative, hypnotic or anxiolytic dependence
304.10	dependence, unspecified	RB Map	F13.231	with withdrawal delirium
201110	Sedative, hypnotic or anxiolytic	1.10 11111	113.231	Sedative, hypnotic or anxiolytic dependence
304.10	dependence, unspecified	RB Map	F13.232	with withdrawal with perceptual disturbance
	Sedative, hypnotic or anxiolytic			Sedative, hypnotic or anxiolytic dependence
304.10	dependence, unspecified	RB Map	F13.239	with withdrawal, unspecified Sedative, hypnotic or anxiolytic dependence
	Sedative, hypnotic or anxiolytic			with sedative, hypnotic or anxiolytic dependence
304.10	dependence, unspecified	RB Map	F13.24	mood disorder
				Sedative, hypnotic or anxiolytic dependence
	Sedative, hypnotic or anxiolytic			with sedative, hypnotic or anxiolytic-induced
304.10	dependence, unspecified	RB Map	F13.250	psychotic disorder with delusions
	Sedative, hypnotic or anxiolytic			Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced
304.10	dependence, unspecified	RB Map	F13.251	psychotic disorder with hallucinations
				Sedative, hypnotic or anxiolytic dependence
	Sedative, hypnotic or anxiolytic			with sedative, hypnotic or anxiolytic-induced
304.10	dependence, unspecified	RB Map	F13.259	psychotic disorder, unspecified
	Sedative, hypnotic or anxiolytic			Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced
304.10	dependence, unspecified	RB Map	F13.26	persisting amnestic disorder
	, anoposition			Sedative, hypnotic or anxiolytic dependence
	Sedative, hypnotic or anxiolytic			with sedative, hypnotic or anxiolytic-induced
304.10	dependence, unspecified	RB Map	F13.27	persisting dementia
	Sadativa hypnotic or anvioleti-			Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced
304.10	Sedative, hypnotic or anxiolytic dependence, unspecified	RB Map	F13.280	anxiety disorder
501.10	dependence, unspecificu	TCD IVIUP	113.200	Sedative, hypnotic or anxiolytic dependence
	Sedative, hypnotic or anxiolytic			with sedative, hypnotic or anxiolytic-induced
304.10	dependence, unspecified	RB Map	F13.281	sexual dysfunction
	Codeting bounds			Sedative, hypnotic or anxiolytic dependence
304.10	Sedative, hypnotic or anxiolytic dependence, unspecified	RB Map	F13.282	with sedative, hypnotic or anxiolytic-induced sleep disorder
JU+.1U	dependence, unspecified	vo mah	1 13.404	Sedative, hypnotic or anxiolytic dependence
	Sedative, hypnotic or anxiolytic			with other sedative, hypnotic or anxiolytic-
304.10	dependence, unspecified	RB Map	F13.288	induced disorder
	Codering to 2 1 1 2			Sedative, hypnotic or anxiolytic dependence
304.10	Sedative, hypnotic or anxiolytic dependence, unspecified	RB Map	F13.29	with unspecified sedative, hypnotic or anxiolytic-induced disorder
304.10	Sedative, hypnotic or anxiolytic	кь мар	F13.29	Sedative, hypnotic or anxiolytic dependence,
304.11	dependence, continuous	F Map	F13.20	uncomplicated
				Sedative, hypnotic or anxiolytic dependence,
	Sedative, hypnotic or anxiolytic			uncomplicated
304.12	dependence, episodic	F Map	F13.20	
304.13	Sedative, hypnotic or anxiolytic dependence, in remission	E Man	F13.21	Sedative, hypnotic or anxiolytic dependence, in remission
304.13	Cocaine dependence, unspecified	F Map	F13.21 F14.20	Cocaine dependence, uncomplicated
JUT.2U	Cocame acpendence, unspecified	1 1v1ap	117.40	Cocume dependence, uncomplicated

ICD-9 Code	ICD-9 Description	Map Type	ICD-10 Code	ICD-10 Description
304.20	Cocaine dependence, unspecified	RB Map	F14.220	Cocaine dependence with intoxication, uncomplicated
304.20	Cocaine dependence, unspecified	RB Map	F14.221	Cocaine dependence with intoxication delirium
304.20	Cocaine dependence, unspecified	RB Map	F14.222	Cocaine dependence with intoxication with perceptual disturbance
304.20	Cocaine dependence, unspecified	RB Map	F14.229	Cocaine dependence with intoxication, unspecified
304.20	Cocaine dependence, unspecified	RB Map	F14.23	Cocaine dependence with withdrawal Cocaine dependence with cocaine-induced
304.20	Cocaine dependence, unspecified	RB Map	F14.24	mood disorder Cocaine dependence with cocaine-induced
304.20	Cocaine dependence, unspecified	RB Map	F14.250	psychotic disorder with delusions Cocaine dependence with cocaine-induced
304.20	Cocaine dependence, unspecified	RB Map	F14.251	psychotic disorder with hallucinations Cocaine dependence with cocaine-induced
304.20	Cocaine dependence, unspecified	RB Map	F14.259	psychotic disorder, unspecified Cocaine dependence with cocaine-induced
304.20	Cocaine dependence, unspecified	RB Map	F14.280	anxiety disorder Cocaine dependence with cocaine-induced
304.20	Cocaine dependence, unspecified	RB Map	F14.281	sexual dysfunction
304.20	Cocaine dependence, unspecified	RB Map	F14.282	Cocaine dependence with cocaine-induced sleep disorder
304.20	Cocaine dependence, unspecified	RB Map	F14.288	Cocaine dependence with other cocaine- induced disorder
304.20	Cocaine dependence, unspecified	RB Map	F14.29	Cocaine dependence with unspecified cocaine-induced disorder
304.21	Cocaine dependence, continuous	F Map	F14.20	Cocaine dependence, uncomplicated
304.22	Cocaine dependence, episodic	F Map	F14.20	Cocaine dependence, uncomplicated
304.23	Cocaine dependence, in remission	F Map	F14.21	Cocaine dependence, in remission
304.30	Cannabis dependence, unspecified	F Map	F12.20	Cannabis dependence, uncomplicated
304.30	Cannabis dependence, unspecified	RB Map	F12.220	Cannabis dependence with intoxication, uncomplicated
304.30	Cannabis dependence, unspecified	RB Map	F12.221	Cannabis dependence with intoxication delirium
304.30	Cannabis dependence, unspecified	RB Map	F12.222	Cannabis dependence with intoxication with perceptual disturbance
304.30	Cannabis dependence, unspecified	RB Map	F12.229	Cannabis dependence with intoxication, unspecified
304.30	Cannabis dependence, unspecified	RB Map	F12.250	Cannabis dependence with psychotic disorder with delusions
304.30	Cannabis dependence, unspecified	RB Map	F12.251	Cannabis dependence with psychotic disorder with hallucinations
		RB Map		Cannabis dependence with psychotic
304.30	Cannabis dependence, unspecified		F12.259	disorder, unspecified Cannabis dependence with cannabis-induced
304.30	Cannabis dependence, unspecified	RB Map	F12.280	anxiety disorder Cannabis dependence with other cannabis-
304.30	Cannabis dependence, unspecified	RB Map	F12.288	induced disorder Cannabis dependence with unspecified
304.30	Cannabis dependence, unspecified	RB Map	F12.29	cannabis-induced disorder
304.31	Cannabis dependence, continuous	F Map	F12.20	Cannabis dependence, uncomplicated
304.32	Cannabis dependence, episodic	F Map	F12.20	Cannabis dependence, uncomplicated
304.33	Cannabis dependence, in remission Amphetamine and other	F Map	F12.21	Cannabis dependence, in remission
304.40	psychostimulant dependence, unspecified	F Map	F15.20	Other stimulant dependence, uncomplicated
304.40	Amphetamine and other psychostimulant dependence, unspecified	RB Map	F15.220	Other stimulant dependence with intoxication, uncomplicated
JUT.#U	Amphetamine and other	KD Map	113.220	
304.40	psychostimulant dependence, unspecified Amphetamine and other	RB Map	F15.221	Other stimulant dependence with intoxication delirium
304.40	psychostimulant dependence,	DD Man	E15 222	Other stimulant dependence with intoxication with perceptual disturbance
304.40	unspecified Amphetamine and other	RB Map	F15.222	•
304.40	psychostimulant dependence, unspecified	RB Map	F15.229	Other stimulant dependence with intoxication, unspecified

ICD-9 Code	ICD-9 Description	Map Type	ICD-10 Code	ICD-10 Description
	Amphetamine and other			
304.40	psychostimulant dependence, unspecified	RB Map	F15.23	Other stimulant dependence with withdrawal
	Amphetamine and other psychostimulant dependence,			Other stimulant dependence with stimulant-
304.40	unspecified	RB Map	F15.24	induced mood disorder
204.40	Amphetamine and other psychostimulant dependence,	DD M	E15 250	Other stimulant dependence with stimulant-
304.40	unspecified Amphetamine and other	RB Map	F15.250	induced psychotic disorder with delusions Other stimulant dependence with stimulant-
304.40	psychostimulant dependence, unspecified	RB Map	F15.251	induced psychotic disorder with hallucinations
304.40	Amphetamine and other psychostimulant dependence, unspecified	RB Map	F15.259	Other stimulant dependence with stimulant- induced psychotic disorder, unspecified
50.1.10	Amphetamine and other psychostimulant dependence,	TES TIMP	110.209	Other stimulant dependence with stimulant-
304.40	unspecified	RB Map	F15.280	induced anxiety disorder
304.40	Amphetamine and other psychostimulant dependence, unspecified	RB Map	F15.281	Other stimulant dependence with stimulant-induced sexual dysfunction
304.40	Amphetamine and other psychostimulant dependence, unspecified	RB Map	F15.282	Other stimulant dependence with stimulant-induced sleep disorder
304.40	Amphetamine and other psychostimulant dependence, unspecified	RB Map	F15.288	Other stimulant dependence with other stimulant-induced disorder
304.40	Amphetamine and other psychostimulant dependence, unspecified	RB Map	F15.29	Other stimulant dependence with unspecified stimulant-induced disorder
304.40	Amphetamine and other	KD Map	113.27	Stillidiant induced disorder
304.41	psychostimulant dependence, continuous	F Map	F15.20	Other stimulant dependence, uncomplicated
304.42	Amphetamine and other psychostimulant dependence, episodic	F Map	F15.20	Other stimulant dependence, uncomplicated
	Amphetamine and other			
304.43	psychostimulant dependence, in remission	F Map	F15.21	Other stimulant dependence, in remission
304.50	Hallucinogen dependence, unspecified	F Map	F16.20	Hallucinogen dependence, uncomplicated
304.50	Hallucinogen dependence, unspecified	RB Map	F16.220	Hallucinogen dependence with intoxication, uncomplicated
	Hallucinogen dependence,			Hallucinogen dependence with intoxication
304.50	unspecified Hallucinogen dependence,	RB Map	F16.221	with delirium Hallucinogen dependence with intoxication,
304.50	unspecified	RB Map	F16.229	unspecified
304.50	Hallucinogen dependence, unspecified	RB Map	F16.24	Hallucinogen dependence with hallucinogen- induced mood disorder
	Hallucinogen dependence,			Hallucinogen dependence with hallucinogen-
304.50	unspecified	RB Map	F16.250	induced psychotic disorder with delusions Hallucinogen dependence with hallucinogen-
304.50	Hallucinogen dependence, unspecified	RB Map	F16.251	induced psychotic disorder with hallucinations
304.50	Hallucinogen dependence, unspecified	RB Map	F16.259	Hallucinogen dependence with hallucinogen- induced psychotic disorder, unspecified
	Hallucinogen dependence,			Hallucinogen dependence with hallucinogen-
304.50	unspecified Hallucinogen dependence,	RB Map	F16.280	induced anxiety disorder Hallucinogen dependence with hallucinogen
304.50	unspecified	RB Map	F16.283	persisting perception disorder (flashbacks)
304.50	Hallucinogen dependence, unspecified	RB Map	F16.288	Hallucinogen dependence with other hallucinogen-induced disorder
304.50	Hallucinogen dependence, unspecified	RB Map	F16.29	Hallucinogen dependence with unspecified hallucinogen-induced disorder
204.75	Hallucinogen dependence,		F1 6 2 6	
304.51	continuous Hallyainagan dapandanaa apisadia	F Map	F16.20	Hallucinogen dependence, uncomplicated
304.52	Hallucinogen dependence, episodic	F Map	F16.20	Hallucinogen dependence, uncomplicated

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description
304.53	Hallucinogen dependence, in remission	F Map	F16.21	Hallucinogen dependence, in remission
304.33	Other specified drug dependence,	1 Wap	110.21	Tranucinogen dependence, in remission
304.60	unspecified	RB Map	F18.20	Inhalant dependence, uncomplicated
	Other specified drug dependence,			Inhalant dependence with intoxication,
304.60	unspecified	RB Map	F18.220	uncomplicated
304.60	Other specified drug dependence, unspecified	RB Map	F18.221	Inhalant dependence with intoxication delirium
304.00	Other specified drug dependence,	ICD Map	110.221	Inhalant dependence with intoxication,
304.60	unspecified	RB Map	F18.229	unspecified
	Other specified drug dependence,			Inhalant dependence with inhalant-induced
304.60	unspecified Other specified drug dependence,	RB Map	F18.24	mood disorder Inhalant dependence with inhalant-induced
304.60	unspecified drug dependence,	RB Map	F18.250	psychotic disorder with delusions
304.00	Other specified drug dependence,	ICD Map	110.230	Inhalant dependence with inhalant-induced
304.60	unspecified	RB Map	F18.251	psychotic disorder with hallucinations
204.50	Other specified drug dependence,		F10.050	Inhalant dependence with inhalant-induced
304.60	unspecified Other specified drug dependence,	RB Map	F18.259	psychotic disorder, unspecified Inhalant dependence with inhalant-induced
304.60	unspecified	RB Map	F18.27	dementia
301.00	Other specified drug dependence,	TCD Mup	110.27	Inhalant dependence with inhalant-induced
304.60	unspecified	RB Map	F18.280	anxiety disorder
204.50	Other specified drug dependence,		F10.200	Inhalant dependence with other inhalant-
304.60	unspecified Other specified drug dependence,	RB Map	F18.288	induced disorder Inhalant dependence with unspecified
304.60	unspecified	RB Map	F18.29	inhalant-induced disorder
201.00	Other specified drug dependence,	TCD Triap	110.29	Other psychoactive substance dependence,
304.60	unspecified	F Map	F19.20	uncomplicated
204.60	Other specified drug dependence,	DD 14	E10.220	Other psychoactive substance dependence
304.60	unspecified Other specified drug dependence,	RB Map	F19.220	with intoxication, uncomplicated Other psychoactive substance dependence
304.60	unspecified	RB Map	F19.221	with intoxication delirium
	Other specified drug dependence,			Other psychoactive substance dependence
304.60	unspecified	RB Map	F19.222	with intoxication with perceptual disturbance
204.60	Other specified drug dependence,	DD M	E10.220	Other psychoactive substance dependence
304.60	unspecified Other specified drug dependence,	RB Map	F19.229	with intoxication, unspecified Other psychoactive substance dependence
304.60	unspecified	RB Map	F19.230	with withdrawal, uncomplicated
	Other specified drug dependence,			Other psychoactive substance dependence
304.60	unspecified	RB Map	F19.231	with withdrawal delirium
304.60	Other specified drug dependence, unspecified	RB Map	F19.232	Other psychoactive substance dependence with withdrawal with perceptual disturbance
304.00	Other specified drug dependence,	KB Wap	117.232	Other psychoactive substance dependence
304.60	unspecified	RB Map	F19.239	with withdrawal, unspecified
				Other psychoactive substance dependence
304.60	Other specified drug dependence, unspecified	DD Mon	F19.24	with psychoactive substance-induced mood disorder
304.00	unspecificu	RB Map	1.17.24	Other psychoactive substance dependence
	Other specified drug dependence,			with psychoactive substance-induced
304.60	unspecified	RB Map	F19.250	psychotic disorder with delusions
	Othoropoisis			Other psychoactive substance dependence
304.60	Other specified drug dependence, unspecified	RB Map	F19.251	with psychoactive substance-induced psychotic disorder with hallucinations
507.00	anspection .	τω ινιαμ	11/.4/1	Other psychoactive substance dependence
	Other specified drug dependence,			with psychoactive substance-induced
304.60	unspecified	RB Map	F19.259	psychotic disorder, unspecified
	Other specified drug dependence,			Other psychoactive substance dependence with psychoactive substance-induced
304.60	unspecified	RB Map	F19.26	persisting amnestic disorder
	F			Other psychoactive substance dependence
	Other specified drug dependence,			with psychoactive substance-induced
304.60	unspecified	RB Map	F19.27	persisting dementia
	Other specified drug dependence,			Other psychoactive substance dependence with psychoactive substance-induced anxiety
304.60	unspecified	RB Map	F19.280	disorder
	•	1		Other psychoactive substance dependence
204.50	Other specified drug dependence,	DD 14	E10.201	with psychoactive substance-induced sexual
304.60	unspecified	RB Map	F19.281	dysfunction

ICD-9 Code	ICD-9 Description	Map Type	ICD-10 Code	ICD-10 Description
Couc	TCD-7 Description	Турс	Couc	Other psychoactive substance dependence
	Other specified drug dependence,	RB		with psychoactive substance-induced sleep
304.60	unspecified	Map	F19.282	disorder
				Other psychoactive substance dependence
204.60	Other specified drug dependence,	RB	F10 200	with other psychoactive substance-induced
304.60	unspecified	Map	F19.288	disorder
	Other specified drug dependence,	RB		Other psychoactive substance dependence with unspecified psychoactive substance-
304.60	unspecified	Map	F19.29	induced disorder
2000	Other specified drug dependence,	1,140	117.27	Other psychoactive substance dependence,
304.61	continuous	F Map	F19.20	uncomplicated
	Other specified drug dependence,			Other psychoactive substance dependence,
304.62	episodic	F Map	F19.20	uncomplicated
204.62	Other specified drug dependence, in	RB	F10.21	
304.63	remission Other specified drug dependence, in	Map	F18.21	Inhalant dependence, in remission Other psychoactive substance dependence, in
304.63	remission	F Map	F19.21	remission
501.05	Combinations of opioid type drug	1 1114	117.21	Tempsion
	with any other drug dependence,			Other psychoactive substance dependence,
304.70	unspecified	F Map	F19.20	uncomplicated
	Combinations of opioid type drug			
204.71	with any other drug dependence,	EM	E10.20	Other psychoactive substance dependence,
304.71	continuous Combinations of opioid type drug	F Map	F19.20	uncomplicated
	with any other drug dependence,			Other psychoactive substance dependence,
304.72	episodic	F Map	F19.20	uncomplicated
	Combinations of opioid type drug	1		, , , , , , , , , , , , , , , , , , ,
	with any other drug dependence, in			Other psychoactive substance dependence, in
304.73	remission	F Map	F19.21	remission
	Combinations of drug dependence			
304.80	excluding opioid type drug, unspecified	F Map	F19.20	Other psychoactive substance dependence, uncomplicated
304.60	Combinations of drug dependence	r Map	F19.20	uncomplicated
	excluding opioid type drug,			Other psychoactive substance dependence,
304.81	continuous	F Map	F19.20	uncomplicated
	Combinations of drug dependence			Other psychoactive substance dependence,
304.82	excluding opioid type drug, episodic	F Map	F19.20	uncomplicated
	Combinations of drug dependence excluding opioid type drug, in			Other psychoactive substance dependence, in
304.83	remission	F Map	F19.21	remission
501.05	Unspecified drug dependence,	1 1114	117.21	Other psychoactive substance dependence,
304.90	unspecified	F Map	F19.20	uncomplicated
	Unspecified drug dependence,	•		Other psychoactive substance dependence,
304.91	continuous	F Map	F19.20	uncomplicated
204.02	Unspecified drug dependence,	E 1 (F10.20	Other psychoactive substance dependence,
304.92	episodic Unspecified drug dependence, in	F Map	F19.20	uncomplicated Other psychoactive substance dependence, in
304.93	remission	F Map	F19.21	remission
305.00	Alcohol abuse, unspecified	F Map	F10.10	Alcohol abuse, uncomplicated
		RB		Alcohol abuse with intoxication,
305.00	Alcohol abuse, unspecified	Map	F10.120	uncomplicated
		RB		
305.00	Alcohol abuse, unspecified	Map	F10.129	Alcohol abuse with intoxication, unspecified
305.01	Alcohol abuse, continuous	F Map	F10.10	Alcohol abuse, uncomplicated
305.01	Alcohol abuse, continuous	RB Map	F10.120	Alcohol abuse with intoxication, uncomplicated
505.01	Anconor abuse, continuous	RB	110.120	uncomplicated
305.01	Alcohol abuse, continuous	Map	F10.129	Alcohol abuse with intoxication, unspecified
305.02	Alcohol abuse, episodic	F Map	F10.10	Alcohol abuse, uncomplicated
		RB		Alcohol abuse with intoxication,
305.02	Alcohol abuse, episodic	Map	F10.120	uncomplicated
205.00		RB	E10.100	A1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
305.02	Alcohol abuse, episodic	Map	F10.129	Alcohol abuse with intoxication, unspecified
305.03	Alcohol abuse, in remission	F Map	F10.11	Alcohol abuse, in remission
305.1	Tobacco use disorder	F Map	F17.200	Nicotine dependence, unspecified, uncomplicated
505.1	2 Souces and disorder	RB	117.200	Nicotine dependence, unspecified, in
305.1	Tobacco use disorder	Map	F17.201	remission
		RB		Nicotine dependence, cigarettes,
305.1	Tobacco use disorder	Map	F17.210	uncomplicated

ICD-9 Code	ICD-9 Description	Map Type	ICD-10 Code	ICD-10 Description
Couc	TCD-7 Description	RB	Couc	1CD-10 Description
305.1	Tobacco use disorder	Map	F17.211	Nicotine dependence, cigarettes, in remission
205.1	T-h 4:d	RB	E17 220	Nicotine dependence, chewing tobacco,
305.1	Tobacco use disorder	Map RB	F17.220	uncomplicated Nicotine dependence, chewing tobacco, in
305.1	Tobacco use disorder	Map	F17.221	remission
		RB		Nicotine dependence, other tobacco product,
305.1	Tobacco use disorder	Map	F17.290	uncomplicated
305.1	Tobacco use disorder	RB Map	F17.291	Nicotine dependence, other tobacco product, in remission
305.20	Cannabis abuse, unspecified	F Map	F12.10	Cannabis abuse, uncomplicated
		RB		
305.20	Cannabis abuse, unspecified	Map	F12.90	Cannabis use, unspecified, uncomplicated
305.21	Cannabis abuse, continuous	F Map	F12.10 F12.90	Cannabis abuse, uncomplicated
305.21 305.22	Cannabis abuse, continuous Cannabis abuse, episodic	F Map F Map	F12.90 F12.10	Cannabis use, unspecified, uncomplicated Cannabis abuse, uncomplicated
305.22	Cannabis abuse, episodic	F Map	F12.90	Cannabis use, unspecified, uncomplicated
305.23	Cannabis abuse, in remission	F Map	F12.11	Cannabis abuse, in remission
305.30	Hallucinogen abuse, unspecified	F Map	F16.10	Hallucinogen abuse, uncomplicated
205.20		RB	F1 6 120	Hallucinogen abuse with intoxication,
305.30	Hallucinogen abuse, unspecified	Map RB	F16.120	uncomplicated Hallucinogen use, unspecified,
305.30	Hallucinogen abuse, unspecified	Map	F16.90	uncomplicated
305.31	Hallucinogen abuse, continuous	F Map	F16.10	Hallucinogen abuse, uncomplicated
		RB		Hallucinogen abuse with intoxication,
305.31	Hallucinogen abuse, continuous	Map	F16.120	uncomplicated
305.32	Hallucinogen abuse, episodic	F Map	F16.10	Hallucinogen abuse, uncomplicated Hallucinogen abuse with intoxication,
305.32	Hallucinogen abuse, episodic	Map	F16.120	uncomplicated
305.33	Hallucinogen abuse, in remission	F Map	F16.11	Hallucinogen abuse, in remission
	Sedative, hypnotic or anxiolytic			Sedative, hypnotic or anxiolytic abuse,
305.40	abuse, unspecified	F Map	F13.10	uncomplicated
305.40	Sedative, hypnotic or anxiolytic abuse, unspecified	RB Map	F13.120	Sedative, hypnotic or anxiolytic abuse with intoxication, uncomplicated
303.40	Sedative, hypnotic or anxiolytic	RB	1-13.120	Sedative, hypnotic, or anxiolytic use,
305.40	abuse, unspecified	Map	F13.90	unspecified, uncomplicated
	Sedative, hypnotic or anxiolytic			Sedative, hypnotic or anxiolytic abuse,
305.41	abuse, continuous Sedative, hypnotic or anxiolytic	F Map RB	F13.10	uncomplicated Sedative, hypnotic or anxiolytic abuse with
305.41	abuse, continuous	Map	F13.120	intoxication, uncomplicated
0001.1	Sedative, hypnotic or anxiolytic	11240	110.120	Sedative, hypnotic or anxiolytic abuse,
305.42	abuse, episodic	F Map	F13.10	uncomplicated
205.42	Sedative, hypnotic or anxiolytic	RB	F12 120	Sedative, hypnotic or anxiolytic abuse with
305.42	abuse, episodic Sedative, hypnotic or anxiolytic	Map	F13.120	intoxication, uncomplicated Sedative, hypnotic or anxiolytic abuse, in
305.43	abuse, in remission	F Map	F13.11	remission
305.50	Opioid abuse, unspecified	F Map	F11.10	Opioid abuse, uncomplicated
		RB		Opioid abuse with intoxication,
305.50	Opioid abuse, unspecified	Map	F11.120	uncomplicated
305.50	Opioid abuse, unspecified	RB Map	F11.129	Opioid abuse with intoxication, unspecified
303.30	Opioid abuse, unspectified	RB	111.12)	Opioid abuse with intoxication, unspectified
305.50	Opioid abuse, unspecified	Map	F11.90	Opioid use, unspecified, uncomplicated
305.51	Opioid abuse, continuous	F Map	F11.10	Opioid abuse, uncomplicated
205 51	Omisid share continuous	RB	E11 120	Opioid abuse with intoxication,
305.51	Opioid abuse, continuous	Map RB	F11.120	uncomplicated
305.51	Opioid abuse, continuous	Map	F11.129	Opioid abuse with intoxication, unspecified
305.52	Opioid abuse, episodic	F Map	F11.10	Opioid abuse, uncomplicated
205 5:		RB		Opioid abuse with intoxication,
305.52	Opioid abuse, episodic	Мар	F11.120	uncomplicated
305.52	Opioid abuse, episodic	RB Map	F11.129	Opioid abuse with intoxication, unspecified
305.53	Opioid abuse, in remission	F Map	F11.129	Opioid abuse, in remission
305.60	Cocaine abuse, unspecified	F Map	F14.10	Cocaine abuse, uncomplicated
		RB		Cocaine abuse with intoxication,
305.60	Cocaine abuse, unspecified	Map	F14.120	uncomplicated
305.60	Cocaine abuse unspecified	RB Man	F14 00	Cocaine use, unspecified, uncomplicated
305.60	Cocaine abuse, unspecified	Map	F14.90	Cocame use, unspecified, uncomplicated

ICD-9		Мар	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description
305.61	Cocaine abuse, continuous	F Map	F14.10	Cocaine abuse, uncomplicated
		RB		Cocaine abuse with intoxication,
305.61	Cocaine abuse, continuous	Map	F14.120	uncomplicated
305.62	Cocaine abuse, episodic	F Map	F14.10	Cocaine abuse, uncomplicated
		RB		Cocaine abuse with intoxication,
305.62	Cocaine abuse, episodic	Map	F14.120	uncomplicated
305.63	Cocaine abuse, in remission	F Map	F14.11	Cocaine abuse, in remission
205.5	Amphetamine or related acting	RB	E15 120	Other stimulant abuse with intoxication,
305.7	sympathomimetic abuse, unspecified	Map	F15.120	uncomplicated
205.70	Amphetamine or related acting	EM	E15 10	04h
305.70	sympathomimetic abuse, unspecified Amphetamine or related acting	F Map RB	F15.10	Other stimulant abuse, uncomplicated Other stimulant use, unspecified,
305.70	sympathomimetic abuse, unspecified	Map	F15.90	uncomplicated
303.70	Amphetamine or related acting	wap	113.50	uncomplicated
305.71	sympathomimetic abuse, continuous	F Map	F15.10	Other stimulant abuse, uncomplicated
303.71	Amphetamine or related acting	RB	113.10	Other stimulant abuse with intoxication,
305.71	sympathomimetic abuse, continuous	Map	F15.120	uncomplicated
	Amphetamine or related acting	-1		
305.72	sympathomimetic abuse, episodic	F Map	F15.10	Other stimulant abuse, uncomplicated
	Amphetamine or related acting	RB		Other stimulant abuse with intoxication,
305.72	sympathomimetic abuse, episodic	Map	F15.120	uncomplicated
	Amphetamine or related acting			
	sympathomimetic abuse, in		1	
305.73	remission	F Map	F15.11	Other stimulant abuse, in remission
	Antidepressant type abuse,			Other psychoactive substance abuse,
305.80	unspecified	F Map	F19.10	uncomplicated
205.00	Antidepressant type abuse,	RB	F10 120	Other psychoactive substance abuse with
305.80	unspecified	Map	F19.120	intoxication, uncomplicated
205 90	Antidepressant type abuse, unspecified	RB	E10.00	Other psychoactive substance use, unspecified, uncomplicated
305.80	Antidepressant type abuse,	Map	F19.90	Other psychoactive substance abuse,
305.81	continuous	F Map	F19.10	uncomplicated
303.61	Antidepressant type abuse,	RB	F19.10	Other psychoactive substance abuse with
305.81	continuous	Map	F19.120	intoxication, uncomplicated
303.01	Continuous	Iviup	119.120	Other psychoactive substance abuse,
305.82	Antidepressant type abuse, episodic	F Map	F19.10	uncomplicated
	, , , , , , , , , , , , , , , , , , ,	RB		Other psychoactive substance abuse with
305.82	Antidepressant type abuse, episodic	Map	F19.120	intoxication, uncomplicated
	Antidepressant type abuse, in			Other psychoactive substance abuse, in
305.83	remission	F Map	F19.11	remission
	Other, mixed, or unspecified drug			
305.90	abuse, unspecified	F Map	F18.10	Inhalant abuse, uncomplicated
207.00	Other, mixed, or unspecified drug	RB	F10.100	Inhalant abuse with intoxication,
305.90	abuse, unspecified	Map	F18.120	uncomplicated
205.00	Other, mixed, or unspecified drug	RB	E10.00	Inhalant and a sign of a superior of
305.90	abuse, unspecified Other, mixed, or unspecified drug	Map	F18.90	Inhalant use, unspecified, uncomplicated Other psychoactive substance abuse,
305.90	abuse, unspecified	F Map	F19.10	uncomplicated
505.70	Other, mixed, or unspecified drug	RB	1 17.10	uncomplicated
305.90	abuse, unspecified	Map	F55.0	Abuse of antacids
202.70	Other, mixed, or unspecified drug	RB	123.0	
305.90	abuse, unspecified	Map	F55.1	Abuse of herbal or folk remedies
	Other, mixed, or unspecified drug	RB	1	or row rome
305.90	abuse, unspecified	Map	F55.2	Abuse of laxatives
	Other, mixed, or unspecified drug	RB		
305.90	abuse, unspecified	Map	F55.3	Abuse of steroids or hormones
	Other, mixed, or unspecified drug	RB		
305.90	abuse, unspecified	Map	F55.4	Abuse of vitamins
	Other, mixed, or unspecified drug	RB	1	
305.90	abuse, unspecified	Map	F55.8	Abuse of other non-psychoactive substances
	Other, mixed, or unspecified drug		1	
305.91	abuse, continuous	F Map	F18.10	Inhalant abuse, uncomplicated
205.5	Other, mixed, or unspecified drug	RB		Inhalant abuse with intoxication,
305.91	abuse, continuous	Map	F18.120	uncomplicated
205.01	Other, mixed, or unspecified drug	F3.6	F10.10	Other psychoactive substance abuse,
305.91	abuse, continuous	F Map	F19.10	uncomplicated
205.01	Other, mixed, or unspecified drug	RB	E55.0	Abuse of enterids
305.91	abuse, continuous	Map	F55.0	Abuse of antacids

ICD-9	707.07	Map	ICD-10	707 107 111
Code	ICD-9 Description	Type	Code	ICD-10 Description
205.01	Other, mixed, or unspecified drug	RB	F55.1	A1
305.91	abuse, continuous Other, mixed, or unspecified drug	Map RB	F55.1	Abuse of herbal or folk remedies
305.91	abuse, continuous	Map	F55.2	Abuse of laxatives
303.71	Other, mixed, or unspecified drug	RB	155.2	Abuse of faxatives
305.91	abuse, continuous	Map	F55.3	Abuse of steroids or hormones
	Other, mixed, or unspecified drug	RB	2000	
305.91	abuse, continuous	Map	F55.4	Abuse of vitamins
	Other, mixed, or unspecified drug	RB		
305.91	abuse, continuous	Map	F55.8	Abuse of other non-psychoactive substances
	Other, mixed, or unspecified drug			
305.92	abuse, episodic	F Map	F18.10	Inhalant abuse, uncomplicated
	Other, mixed, or unspecified drug	RB		Inhalant abuse with intoxication,
305.92	abuse, episodic	Map	F18.120	uncomplicated
205.02	Other, mixed, or unspecified drug	EMon	E10.10	Other psychoactive substance abuse, uncomplicated
305.92	abuse, episodic Other, mixed, or unspecified drug	F Map RB	F19.10	uncomplicated
305.92	abuse, episodic	Map	F55.0	Abuse of antacids
303.72	Other, mixed, or unspecified drug	RB	133.0	Nouse of unacids
305.92	abuse, episodic	Map	F55.1	Abuse of herbal or folk remedies
	Other, mixed, or unspecified drug	RB		
305.92	abuse, episodic	Map	F55.2	Abuse of laxatives
	Other, mixed, or unspecified drug	RB		
305.92	abuse, episodic	Map	F55.3	Abuse of steroids or hormones
	Other, mixed, or unspecified drug	RB		
305.92	abuse, episodic	Map	F55.4	Abuse of vitamins
205.00	Other, mixed, or unspecified drug	RB	E55.0	Alexander and a second a second and a second a second and
305.92	abuse, episodic	Map	F55.8	Abuse of other non-psychoactive substances
305.93	Other, mixed, or unspecified drug abuse, in remission	E Mon	F18.11	Inhalant abuse, in remission
505.75	Other, mixed, or unspecified drug	F Map	1.10,11	Other psychoactive substance abuse, in
305.93	abuse, in remission	F Map	F19.11	remission
	Other, mixed, or unspecified drug	RB		
305.93	abuse, in remission	Map	F55.0	Abuse of antacids
	Other, mixed, or unspecified drug	RB		
305.93	abuse, in remission	Map	F55.1	Abuse of herbal or folk remedies
	Other, mixed, or unspecified drug	RB		
305.93	abuse, in remission	Map	F55.2	Abuse of laxatives
205.02	Other, mixed, or unspecified drug	RB Mon	D55.2	Alanga of atomaid
305.93	abuse, in remission Other, mixed, or unspecified drug	Map RB	F55.3	Abuse of steroids or hormones
305.93	abuse, in remission	Map	F55.4	Abuse of vitamins
303.73	Other, mixed, or unspecified drug	RB	100.7	11005COT VIGITIIIIS
305.93	abuse, in remission	Map	F55.8	Abuse of other non-psychoactive substances
	Musculoskeletal malfunction arising			pojemowenie sucistances
306.0	from mental factors	F Map	F45.8	Other somatoform disorders
	Respiratory malfunction arising			
306.1	from mental factors	F Map	F45.8	Other somatoform disorders
	Cardiovascular malfunction arising			
306.2	from mental factors	F Map	F45.8	Other somatoform disorders
2062	Skin disorder arising from mental	F. 1	E40.4	
306.3	factors	F Map	F42.4	Excoriation (skin-picking) disorder
206.2	Skin disorder arising from mental	EMan	E45 0	Other cometoform discardance
306.3	factors Gastrointestinal malfunction arising	F Map	F45.8	Other somatoform disorders
306.4	from mental factors	F Map	F45.8	Other somatoform disorders
200.7	Psychogenic genitourinary	1 141ap	1 13.0	Salet bollimototill disorders
306.50	malfunction, unspecified	F Map	F45.8	Other somatoform disorders
	,,		1	Vaginismus not due to a substance or known
306.51	Psychogenic vaginismus	F Map	F52.5	physiological condition
306.52	Psychogenic dysmenorrhea	F Map	F45.8	Other somatoform disorders
306.53	Psychogenic dysuria	F Map	F45.8	Other somatoform disorders
	Other genitourinary malfunction			
306.59	arising from mental factors	F Map	F45.8	Other somatoform disorders
	Endocrine disorder arising from			
306.6	mental factors	F Map	F45.8	Other somatoform disorders
2067	Disorder of organs of special sense	EM	E45 0	Other comptofs 1:1
306.7	arising from mental factors	F Map	F45.8	Other somatoform disorders

ICD-9 Code	ICD-9 Description	Map Type	ICD-10 Code	ICD-10 Description
Couc	Other specified psychophysiological	Турс	Couc	1CD-10 Description
306.8	malfunction	F Map	F45.8	Other somatoform disorders
				Unspecified behavioral syndromes associated
206.0	Other specified psychophysiological	E.M	E50	with physiological disturbances and physical
306.8	malfunction Unspecified psychophysiological	F Map	F59.	factors
306.9	malfunction	F Map	F45.9	Somatoform disorder, unspecified
307.0	Adult onset fluency disorder	F Map	F98.5	Adult onset fluency disorder
307.1	Anorexia nervosa	F Map	F50.00	Anorexia nervosa, unspecified
		RB		
307.1	Anorexia nervosa	Map	F50.01	Anorexia nervosa, restricting type
		RB		
307.1	Anorexia nervosa	Map	F50.02	Anorexia nervosa, binge eating/purging type
		RB		
307.20	Tic disorder, unspecified	Map	F95.8	Other tic disorders
307.20	Tic disorder, unspecified	F Map	F95.9	Tic disorder, unspecified
307.21	Transient tic disorder Chronic motor or vocal tic disorder	F Map	F95.0	Transient tic disorder
307.22 307.23	Tourette's disorder	F Map F Map	F95.1 F95.2	Chronic motor or vocal tic disorder Tourette's disorder
307.23	Stereotypic movement disorder	F Map	F93.2	Stereotyped movement disorders
307.3	Nonorganic sleep disorder,	1 Map	1'90.4	Sleep disorder not due to a substance or
307.40	unspecified	F Map	F51.9	known physiological condition, unspecified
	Transient disorder of initiating or	r		,,,,,
307.41	maintaining sleep	F Map	F51.02	Adjustment insomnia
	Transient disorder of initiating or	•		Other insomnia not due to a substance or
307.41	maintaining sleep	F Map	F51.09	known physiological condition
	Persistent disorder of initiating or			
307.42	maintaining sleep	F Map	F51.01	Primary insomnia
207.42	Persistent disorder of initiating or	E 3.6	F51.02	
307.42	maintaining sleep Persistent disorder of initiating or	F Map	F51.03	Paradoxical insomnia Other insomnia not due to a substance or
307.42	maintaining sleep	F Map	F51.09	known physiological condition
307.42	Transient disorder of initiating or	1 Map	131.07	Other hypersomnia not due to a substance or
307.43	maintaining wakefulness	F Map	F51.19	known physiological condition
	Persistent disorder of initiating or			
307.44	maintaining wakefulness	F Map	F51.11	Primary hypersomnia
	Persistent disorder of initiating or			
307.44	maintaining wakefulness	F Map	F51.12	Insufficient sleep syndrome
207.44	Persistent disorder of initiating or	E 3.6	F51 10	Other hypersomnia not due to a substance or
307.44	maintaining wakefulness Circadian rhythm sleep disorder of	F Map	F51.19	known physiological condition Other sleep disorders not due to a substance
307.45	nonorganic origin	F Map	F51.8	or known physiological condition
307.46	Sleep arousal disorder	F Map	F51.3	Sleepwalking [somnambulism]
507.10	Steep arousar disorder	RB	131.3	Steep warking [sommamounsm]
307.46	Sleep arousal disorder	Map	F51.4	Sleep terrors [night terrors]
	Other dysfunctions of sleep stages or	RB		
307.47	arousal from sleep	Map	F51.5	Nightmare disorder
	Other dysfunctions of sleep stages or			Other sleep disorders not due to a substance
307.47	arousal from sleep	F Map	F51.8	or known physiological condition
207.40	B 33 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E 3.6	F51.0	Other sleep disorders not due to a substance
307.48	Repetitive intrusions of sleep	F Map	F51.8	or known physiological condition
307.49	Other specific disorders of sleep of nonorganic origin	F Map	F51.8	Other sleep disorders not due to a substance or known physiological condition
307.50	Eating disorder, unspecified	F Map	F50.9	Eating disorder, unspecified
307.51	Bulimia nervosa	F Map	F50.2	Bulimia nervosa
307.52	Pica Pica	F Map	F98.3	Pica of infancy and childhood
307.53	Rumination disorder	F Map	F98.21	Rumination disorder of infancy
307.54	Psychogenic vomiting	F Map	F50.89	Other specified eating disorder
307.59	Other disorders of eating	F Map	F50.81	Binge eating disorder
307.59	Other disorders of eating	F Map	F50.82	Avoidant/restrictive food intake disorder
307.59	Other disorders of eating	F Map	F50.89	Other specified eating disorder
				Other feeding disorders of infancy and early
307.59	Other disorders of eating	F Map	F98.29	childhood
207.6	Enumaria	EM-	E00 0	Enuresis not due to a substance or known
307.6	Enuresis	F Map	F98.0	physiological condition
307.7	Encopresis	F Map	F98.1	Encopresis not due to a substance or known physiological condition
301.1	Licoptesis	1 Iviap	1 /0.1	Pain disorder exclusively related to
307.80	Psychogenic pain, site unspecified	F Map	F45.41	psychological factors
307.00	1 sychogeme pam, she unspecified	1 map	143.41	psychological factors

ICD-9 Code	ICD-9 Description	Map Type	ICD-10 Code	ICD-10 Description
	•			Tension-type headache, unspecified, not
307.81	Tension headache Other pain disorders related to	F Map	G44.209	intractable Pain disorder with related psychological
307.89	psychological factors	F Map	F45.42	factors
307.07	Other and unspecified special	1 1114	143.42	lactors
	symptoms or syndromes, not			
307.9	elsewhere classified	F Map	F63.3	Trichotillomania
	Other and unspecified special			
	symptoms or syndromes, not			
307.9	elsewhere classified	F Map	R45.1	Restlessness and agitation
	Other and unspecified special	D.D.		
307.9	symptoms or syndromes, not elsewhere classified	RB	R45.81	Low self-esteem
307.9	Other and unspecified special	Map	K43.61	Low self-esteem
	symptoms or syndromes, not	RB		
307.9	elsewhere classified	Map	R45.82	Worries
	Predominant disturbance of			
308.0	emotions	F Map	F43.0	Acute stress reaction
	Predominant disturbance of			
308.1	consciousness	F Map	F43.0	Acute stress reaction
	Predominant psychomotor			
308.2	disturbance	F Map	F43.0	Acute stress reaction
308.3	Other acute reactions to stress	F Map	F43.0	Acute stress reaction
308.4	Mixed disorders as reaction to stress	F Map	F43.0	Acute stress reaction
308.9	Unspecified acute reaction to stress	F Map	F43.0	Acute stress reaction
200.0	TT 'C' 1	EM	D 45 7	State of emotional shock and stress,
308.9	Unspecified acute reaction to stress Adjustment disorder with depressed	F Map	R45.7	unspecified
309.0	mood	F Map	F43.21	Adjustment disorder with depressed mood
309.1	Prolonged depressive reaction	F Map	F43.21	Adjustment disorder with depressed mood Adjustment disorder with depressed mood
309.21	Separation anxiety disorder	F Map	F93.0	Separation anxiety disorder of childhood
307.21	Emancipation disorder of	1 Map	1 75.0	Other childhood disorders of social
309.22	adolescence and early adult life	F Map	F94.8	functioning
		•		Other childhood disorders of social
309.23	Specific academic or work inhibition	F Map	F94.8	functioning
309.24	Adjustment disorder with anxiety	F Map	F43.22	Adjustment disorder with anxiety
	Adjustment disorder with mixed			Adjustment disorder with mixed anxiety and
309.28	anxiety and depressed mood	F Map	F43.23	depressed mood
	Other adjustment reactions with			
200.20	predominant disturbance of other emotions	E Mon	E42.20	A divistment disorder with other symmtoms
309.29	Other adjustment reactions with	F Map	F43.29	Adjustment disorder with other symptoms
	predominant disturbance of other			Other childhood disorders of social
309.29	emotions	F Map	F94.8	functioning
307.27	Adjustment disorder with	1 map	171.0	Adjustment disorder with disturbance of
309.3	disturbance of conduct	F Map	F43.24	conduct
	Adjustment disorder with mixed			Adjustment disorder with mixed disturbance
309.4	disturbance of emotions and conduct	F Map	F43.25	of emotions and conduct
309.81	Posttraumatic stress disorder	F Map	F43.10	Post-traumatic stress disorder, unspecified
		RB	I	
309.81	Posttraumatic stress disorder	Map	F43.11	Post-traumatic stress disorder, acute
309.81	Posttraumatic stress disorder	F Map	F43.12	Post-traumatic stress disorder, chronic
200.02	Adjustment reaction with physical	EM	E42.0	Other resetting to the
309.82	symptoms	F Map	F43.8	Other reactions to severe stress
300.92	Adjustment reaction with withdrawal	E Mon	E/12 0	Other reactions to severe stress
309.83 309.89	Other specified adjustment reactions	F Map F Map	F43.8 F43.8	Other reactions to severe stress Other reactions to severe stress
309.89	Unspecified adjustment reaction	F Map	F43.8 F43.20	Adjustment disorder, unspecified
307.7	Chapterned adjustment reaction	RB	1 73.20	rajustinon disorder, unspectifica
309.9	Unspecified adjustment reaction	Map	F43.9	Reaction to severe stress, unspecified
	Toward Toward		1	Personality change due to known
310.0	Frontal lobe syndrome	F Map	F07.0	physiological condition
	Personality change due to conditions			Personality change due to known
310.1	classified elsewhere	F Map	F07.0	physiological condition
310.2	Postconcussion syndrome	F Map	F07.81	Postconcussional syndrome
310.81	Pseudobulbar affect	F Map	F48.2	Pseudobulbar affect
	Other specified nonpsychotic mental			
210.00	disorders following organic brain	F. 7	E07.00	Other personality and behavioral disorders
310.89	damage	F Map	F07.89	due to known physiological condition

ICD-9 Code	ICD-9 Description	Map Type	ICD-10 Code	ICD-10 Description
	Unspecified nonpsychotic mental	- 5 100		Unspecified personality and behavioral
	disorder following organic brain	RB		disorder due to known physiological
310.9	damage	Map	F07.9	condition
	Unspecified nonpsychotic mental			
	disorder following organic brain			Unspecified mental disorder due to known
310.9	damage	F Map	F09.	physiological condition
	Depressive disorder, not elsewhere			Major depressive disorder, single episode,
311.	classified	F Map	F32.9	unspecified
242.00	Undersocialized conduct disorder,		F04.4	
312.00	aggressive type, unspecified	F Map	F91.1	Conduct disorder, childhood-onset type
212.01	Undersocialized conduct disorder,	EM	E01.1	Conduct discussion shift the end arrest terms
312.01	aggressive type, mild Undersocialized conduct disorder,	F Map	F91.1	Conduct disorder, childhood-onset type
312.02		F Map	F91.1	Conduct disorder, childhood-onset type
312.02	aggressive type, moderate Undersocialized conduct disorder,	г мар	F91.1	Conduct disorder, childhood-onset type
312.03	aggressive type, severe	F Map	F91.1	Conduct disorder, childhood-onset type
312.03	Undersocialized conduct disorder,	1 Wap	1 /1.1	Conduct disorder, emidilood-onset type
312.10	unaggressive type, unspecified	F Map	F91.8	Other conduct disorders
	Undersocialized conduct disorder,	- 1.14p		
312.11	unaggressive type, mild	F Map	F91.8	Other conduct disorders
	Undersocialized conduct disorder,			
312.12	unaggressive type, moderate	F Map	F91.8	Other conduct disorders
	Undersocialized conduct disorder,			
312.13	unaggressive type, severe	F Map	F91.8	Other conduct disorders
	Socialized conduct disorder,			
312.20	unspecified	F Map	F91.2	Conduct disorder, adolescent-onset type
312.21	Socialized conduct disorder, mild	F Map	F91.2	Conduct disorder, adolescent-onset type
	Socialized conduct disorder,			
312.22	moderate	F Map	F91.2	Conduct disorder, adolescent-onset type
312.23	Socialized conduct disorder, severe	F Map	F91.2	Conduct disorder, adolescent-onset type
212.20	Impulse control disorder,	EM	E62.0	T 1 1' 1 'C' 1
312.30	unspecified	F Map	F63.9	Impulse disorder, unspecified
312.31 312.32	Pathological gambling Kleptomania	F Map F Map	F63.0 F63.2	Pathological gambling Kleptomania
312.32	Pyromania Pyromania		F63.1	Pyromania Pyromania
312.33	Intermittent explosive disorder	F Map F Map	F63.81	Intermittent explosive disorder
312.34	Isolated explosive disorder	F Map	F63.81	Intermittent explosive disorder
312.39	Other disorders of impulse control	F Map	F63.3	Trichotillomania
312.39	Other disorders of impulse control	F Map	F63.89	Other impulse disorders
312.37	Mixed disturbance of conduct and	1 1414	1 03.07	Other impulse disorders
312.4	emotions	F Map	F91.8	Other conduct disorders
312.4	Conduct disorder, childhood onset	1 1414	171.0	Other conduct disorders
312.81	type	F Map	F91.1	Conduct disorder, childhood-onset type
	Conduct disorder, adolescent onset			, , , , , , , , , , , , , , , , , , ,
312.82	type	F Map	F91.2	Conduct disorder, adolescent-onset type
		RB		
312.89	Other conduct disorder	Map	F91.0	Conduct disorder confined to family context
312.89	Other conduct disorder	F Map	F91.8	Other conduct disorders
312.9	Unspecified disturbance of conduct	F Map	F91.9	Conduct disorder, unspecified
	Overanxious disorder specific to			
313.0	childhood and adolescence	F Map	F93.8	Other childhood emotional disorders
	Misery and unhappiness disorder			
242.5	specific to childhood and		F02 *	
313.1	adolescence	F Map	F93.8	Other childhood emotional disorders
313.21	Shyness disorder of childhood	F Map	F93.8	Other childhood emotional disorders
313.22	Introverted disorder of childhood	F Map	F93.8	Other childhood emotional disorders
313.23	Selective mutism	F Map	F94.0	Selective mutism
313 2	Relationship problems specific to	E Mon	E03 o	Other childhood emotional disorders
313.3 313.81	childhood and adolescence Oppositional defiant disorder	F Map	F93.8 F91.3	Other childhood emotional disorders Oppositional defiant disorder
212.01		F Map	171.3	Oppositional defiant disorder
313.82	Identity disorder of childhood or adolescence	F Man	F93.8	Other childhood emotional disorders
515.04	Academic underachievement	F Map	1733.0	Other Childhood emotional disorders
	disorder of childhood or adolescence	F Map	F93.8	Other childhood emotional disorders
313.83		1 1/1ap	1 /3.0	omer childhood childhollar disorders
313.83				
	Other emotional disturbances of	F Man	F93.8	Other childhood emotional disorders
313.83		F Map	F93.8	Other childhood emotional disorders

ICD-9	ICD a D	Map	ICD-10	10D 10 D
Code	ICD-9 Description	Type	Code	ICD-10 Description
313.89	Other emotional disturbances of childhood or adolescence	RB Map	F94.2	Disinhibited attachment disorder of childhood
313.09	Other emotional disturbances of	KD Map	1.34.2	Childhood disorder of social functioning,
313.89	childhood or adolescence	RB Map	F94.9	unspecified
313.07	cinidiood of adolescence	TCD IVIUP	171.7	Other specified behavioral and emotional
	Other emotional disturbances of			disorders with onset usually occurring in
313.89	childhood or adolescence	F Map	F98.8	childhood and adolescence
	Unspecified emotional disturbance			
313.9	of childhood or adolescence	F Map	F93.9	Childhood emotional disorder, unspecified
	Unspecified emotional disturbance			Other childhood disorders of social
313.9	of childhood or adolescence	F Map	F94.8	functioning
				Unspecified behavioral and emotional
212.0	Unspecified emotional disturbance	EM	E00.0	disorders with onset usually occurring in
313.9	of childhood or adolescence Attention deficit disorder without	F Map	F98.9	childhood and adolescence Attention-deficit hyperactivity disorder,
314.00	mention of hyperactivity	E Mon	F90.0	predominantly inattentive type
314.00	Attention deficit disorder without	F Map	F90.0	Attention-deficit hyperactivity disorder,
314.00	mention of hyperactivity	F Map	F90.9	unspecified type
314.00	Attention deficit disorder with	1 1414	1 70.7	Attention-deficit hyperactivity disorder,
314.01	hyperactivity	F Map	F90.1	predominantly hyperactive type
21.1101	Attention deficit disorder with	1 11145	170.1	Attention-deficit hyperactivity disorder,
314.01	hyperactivity	F Map	F90.2	combined type
	Attention deficit disorder with			Attention-deficit hyperactivity disorder,
314.01	hyperactivity	RB Map	F90.8	other type
	Attention deficit disorder with			Attention-deficit hyperactivity disorder,
314.01	hyperactivity	F Map	F90.9	unspecified type
	Hyperkinesis with developmental			Attention-deficit hyperactivity disorder,
314.1	delay	F Map	F90.8	other type
				Attention-deficit hyperactivity disorder,
314.2	Hyperkinetic conduct disorder	F Map	F90.8	other type
214.0	Other specified manifestations of	EM	E00.0	Attention-deficit hyperactivity disorder,
314.8	hyperkinetic syndrome	F Map	F90.8	other type
314.9	Unspecified hyperkinetic syndrome	F Map	F90.9	Attention-deficit hyperactivity disorder, unspecified type
314.9	Developmental reading disorder,	r Map	190.9	unspecified type
315.00	unspecified	F Map	F81.0	Specific reading disorder
315.01	Alexia	F Map	R48.0	Dyslexia and alexia
315.02	Developmental dyslexia	F Map	F81.0	Specific reading disorder
	Other specific developmental			
315.09	reading disorder	F Map	F81.81	Disorder of written expression
315.1	Mathematics disorder	F Map	F81.2	Mathematics disorder
	Other specific developmental			
315.2	learning difficulties	F Map	F81.81	Disorder of written expression
	Other specific developmental			Other developmental disorders of scholastic
315.2	learning difficulties	F Map	F81.89	skills
315.31	Expressive language disorder	F Map	F80.1	Expressive language disorder
24.5.22	Mixed receptive-expressive			Mixed receptive-expressive language
315.32	language disorder	F Map	F80.2	disorder
215 22	Mixed receptive-expressive	E Man	ш02 25	Control auditory processing discarden
315.32	language disorder Speech and language developmental	F Map	H93.25	Central auditory processing disorder Speech and language development delay due
315.34	delay due to hearing loss	F Map	F80.4	to hearing loss
315.35	Childhood onset fluency disorder	F Map	F80.41	Childhood onset fluency disorder
313.33	Other developmental speech or	1. mah	1.00.01	Cimalioud offset flucticy disorder
315.39	language disorder	F Map	F80.0	Phonological disorder
220.07	Other developmental speech or	2 111mp	200.0	
315.39	language disorder	F Map	F80.82	Social pragmatic communication disorder
	Other developmental speech or	•		Other developmental disorders of speech and
315.39	language disorder	F Map	F80.89	language
	Other developmental speech or			Developmental disorder of speech and
315.39	language disorder	RB Map	F80.9	language, unspecified
	Developmental coordination			Specific developmental disorder of motor
315.4	disorder	F Map	F82.	function
215.5	\	E14	F02	Specific developmental disorder of motor
315.5	Mixed development disorder	F Map	F82.	function
215.0	Other specified delays in	E24	FOC	Other disorders of psychological
315.8	development	F Map	F88.	development
215.0	TT	EM	E01.0	Developmental disorder of scholastic skills,
315.9	Unspecified delay in development	F Map	F81.9	unspecified

ICD-9		Map	ICD-10	
Code	ICD-9 Description	Type	Code	ICD-10 Description
				Unspecified disorder of psychological
315.9	Unspecified delay in development	F Map	F89.	development
				Psychological and behavioral factors
	Psychic factors associated with			associated with disorders or diseases
316.	diseases classified elsewhere	F Map	F54.	classified elsewhere
317.	Mild intellectual disabilities	F Map	F70.	Mild intellectual disabilities
318.0	Moderate intellectual disabilities	F Map	F71.	Moderate intellectual disabilities
318.1	Severe intellectual disabilities	F Map	F72.	Severe intellectual disabilities
318.2	Profound intellectual disabilities	F Map	F73.	Profound intellectual disabilities
319.	Unspecified intellectual disabilities	RB Map	F78.	Other intellectual disabilities
319.	Unspecified intellectual disabilities	F Map	F79.	Unspecified intellectual disabilities

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Table 1
Summary of Emergency Department Visits

	Pre-ACA	_	Post-ACA	
ED Visits for All Ages	2009	2011	2012	2013
	N=28,861,047	N=28,788,399	N=31,091,020	N=29,581,718
	n (%)	n (%)	n (%)	n (%)
ED Visits with at least one Diagnosis	28,857,685	28,778,945	31,081,397	29,566,546
	(99.99)	(99.97)	(99.97)	(99.95)
ED Visits with no Diagnosis	3,362	9,454	9,623	15,172
	(0.01)	(0.03)	(0.03)	(0.05)
ED Visits for adults ages of 18 to 64	17,647,987	17,851,375	19,332,543	18,422,747
	(61.1)	(62.0)	(62.2)	(62.3)
Change from Pre-ACA in number of ED	N/A	-72,648	2,229,973	720,671
visits for all ages				
Change from Pre-ACA in number of ED	N/A	203,388	1,684,556	774,760
visits for adults ages 18 to 64				
Change from Pre-ACA in Percent of ED visits for adults ages 18 to 64	N/A	0.9%	1.0%	1.1%

Note: Percentages are based on total visits, N.

Table 1 (Continued)
Summary of Emergency Department Visits

	Pre-ACA	Post-ACA		
ED Visits for All Ages	2009	2014	2015	2016
	N=28,861,047	N=31,026,417	N=30,542,691	N=32,680,232
	n (%)	n (%)	n (%)	n (%)
ED Visits with at least one Diagnosis	28,857,685	31,018,357	30,517,883	32,673,763
-	(99.99)	(99.97)	(99.92)	(99.98)
ED Visits with no Diagnosis	3,362	8,060	24808	6,469
-	(0.01)	(0.03)	(0.08)	(0.02)
ED Visits for adults ages of 18 to 64	17,647,987	19,504,512	18,755,893	20,077,331
	(61.1)	(62.9)	(61.4)	(61.4)
Change from Pre-ACA in number of ED	N/A	2,165,370	1,681,644	3,819,185
visits for all ages				
Change from Pre-ACA in number of ED	N/A	1,856,525	1,107,906	2,429,344
visits for adults ages 18 to 64				
Change from Pre-ACA in Percent of ED	N/A	1.7%	0.3%	0.3%
visits for adults ages 18 to 64				

Note: Percentages are based on total visits, N.

Table 2
Summary of Emergency Department Visits for Adults Aged 18 to 64

	Pre-ACA	Post-ACA		
All ED Visits for Adults 18≤ age ≤64	2009	2011	2012	2013
	N=17,647,987	N=17,851,375	N=19,332,543	N=18,422,747
	n (%)	n (%)	n (%)	n (%)
ED Visits with at least one Diagnosis	17,645,539	17,845,772	19,325,068	18,412,805
	(99.99)	(99.97)	(99.96)	(99.95)
ED visits with no Diagnosis	2,448	5,603	7,475	9,942
	(0.01)	(0.03)	(0.04)	(0.05)

Note: Percentages are based on total visits, N.

Table 2 (Continued)

Summary of Emergency Department Visits for Adults Aged 18 to 64

	Pre-ACA		Post-ACA		
All ED Visits for Adults 18≤ age ≤64	2009	2014	2015	2016	
	N=17,647,987	N=19,504,512	N=18,755,893	N=20,077,331	
	n (%)	n (%)	n (%)	n (%)	
ED Visits with at least one Diagnosis	17,645,539	19,498,007	18,738,803	20,073,238	
	(99.99)	(99.97)	(99.91)	(99.98)	
ED visits with no Diagnosis	2,448	6,505	17,090	4,093	
	(0.01)	(0.03)	(0.09)	(0.02)	

Note: Percentages are based on total visits, N.

Table 3
Summary of Psychiatric-Related Emergency Department Visits

	Pre-ACA	gj - ip	Post-ACA		
All ED Visits with At Least One	2009	2011	2012	2013	
Diagnosis for Adults 18≤ age ≤64	N=17,645,539	N=17,845,772	N=19,325,068	N=18,412,805	
	n (%)	n (%)	n (%)	n (%)	
ED visits with at least one Psychiatric	4,253,110	4,717,856	5,267,941	5,261,875	
Diagnosis	(24.1)	(26.4)	(27.3)	(28.6)	
ED visits with No Psychiatric Diagnosis	13,392,429	13,127,916	14,057,127	13,150,930	
	(75.9)	(73.6)	(72.7)	(71.4)	
Change from Pre-ACA in number of	N/A	464,746	1,014,831	1,008,765	
psychiatric-related ED visits					
Change from Pre-ACA in percentage of	N/A	2.3%	3.2%	4.5%	
psychiatric-related ED visits					

Note: Percentages are based on total visits, N.

Table 3 (Continued)
Summary of Psychiatric-Related Emergency Department Visits

	Pre-ACA	Post-ACA			
All ED Visits with At Least One	2009	2014	2015	2016	
Diagnosis for Adults 18≤ age ≤64	N=17,645,539	N=19,498,007	N=18,738,803	N=20,073,238	
	n (%)	n (%)	n (%)	n (%)	
ED visits with at least one Psychiatric	4,253,110	5,832,444	5,857,686	5,986,274	
Diagnosis	(24.1)	(29.9)	(31.3)	(29.8)	
ED visits with No Psychiatric Diagnosis	13,392,429	13,665,563	12,881,117	14,086,964	
	(75.9)	(70.1)	(68.7)	(70.2)	
Change from Pre-ACA in number of	N/A	1,579,334	1,604,576	1,733,164	
psychiatric-related ED visits					
Change from Pre-ACA in percentage of psychiatric-related ED visits	N/A	5.8%	7.2%	5.7%	

Note: Percentages are based on total visits, N.

Table 4
Summary of Patient Characteristics for Psychiatric-Related Emergency Department Visits

		Pre-ACA	Post-ACA			
		2009	2011	2012	2013	
Psychiatr	ic-Related ED Visits	N=4,253,110	N=4,717,856	N=5,267,941	N=5,261,875	
-		n (%)	n (%)	n (%)	n (%)	
	$18 \le age \le 25$	749,855 (17.6)	823,081 (17.4)	899 050 (17.1)	874,206 (16.6)	
l	Change from Pre-ACA	N/A	73,226 (-0.2)	149,195 (-0.6)	124,351 (-1.0)	
Age	26 ≤ age 49	2,363,199 (55.6)	2,560,003 (54.3)	2,839,605 (53.9)	2,820,459 (53.6)	
. [Change from Pre-ACA	N/A	196,804 (-1.3)	476,406 (-1.7)	457,260 (-2.0)	
. [$50 \le age \le 64$	1,140,056 (26.8)	1,334,772 (28.3)	1,529,286 (29.0)	1,567,210 (29.8)	
	Change from Pre-ACA	N/A	194,716 (1.5)	389,230 (2.2)	427,154 (3.0)	
	Male	2,048,915 (48.2)	2,267,410 (48.1)	2,536,702 (48.2)	2,553,582 (48.5)	
Sex	Change from Pre-ACA	N/A	218,495 (-0.1)	487,787 (-0.02)	504,667 (0.4)	
	Female	2,201,833 (51.8)	2,449,362 (51.9)	2,731,029 (51.8)	2,708,100 (51.5)	
	Change from Pre-ACA	N/A	247,529 (0.1)	529,196 (0.1)	506,267 (-0.3)	
	Missing	2,362 (0.1)	1,084 (0.02)	210 (0.004)	193 (0.004)	
	Change from Pre-ACA	N/A	-1,278 (-0.03)	-2,152 (-0.1)	-2,169 (-0.1)	
	Medicare	594,888 (14.0)	696,800 (14.8)	798,249 (15.2)	798,598 (15.2)	
	Change from Pre-ACA	N/A	101,912 (0.8)	203,361 (1.2)	203,710 (1.2)	
Payer	Medicaid	1,080,543 (25.4)	1,310,278 (27.8)	1,466,945 (27.8)	1,445,845 (27.5)	
	Change from Pre-ACA	N/A	229,735 (2.4)	386,402 (2.4)	365,302 (2.1)	
	Private	1,161,704 (27.3)	1,188,336 (25.2)	1,250,220 (23.7)	1,240,697 (23.6)	
	Change from Pre-ACA	N/A	26,632 (-2.1)	88,516 (-3.6)	78,993 (-3.7)	
	Uninsured	1,397,543 (32.9)	1,503,730 (31.9)	1,743,569 (33.1)	1,765,480 (33.6)	
	Change from Pre-ACA	N/A	106,187 (-1.0)	346,026 (0.2)	367,937 (0.7)	
	Missing	18,432 (0.4)	18,712 (0.4)	8,958 (0.2)	11,255 (0.2)	
	Change from Pre-ACA	N/A	280 (-0.04)	-9,474 (-0.3)	-7,177 (-0.2)	
	Urban	4,041,282 (95.0)	4,503,377 (95.4)	5,043,931 (95.7)	5,010,535 (95.2)	
Region	Change from Pre-ACA	N/A	462,095 (0.4)	1,002,649 (0.7)	969,253 (0.2)	
	Rural	211,828 (5.0)	214,479 (4.6)	224,010 (4.3)	251,340 (4.8)	
	Change from Pre-ACA	N/A	2,651 (-0.4)	12,182 (-0.7)	39,512 (-0.2)	

Note: Percentages are based on total visits, N.

Table 4 (Continued)
Summary of Patient Characteristics for Psychiatric-Related Emergency Department Visits

		Pre-ACA		Post-ACA	
		2009	2014	2015	2016
Psychiat	ric-Related ED Visits	N=4,253,110	N=5,832,444	N=5,857,686	N=5,986,274
		n (%)	n (%)	n (%)	n (%)
	$18 \le age \le 25$	749,855 (17.6)	945,765 (16.2)	920,502 (15.7)	910,796 (15.2)
	Change from Pre-ACA	N/A	195,910 (-1.4)	170,647 (-1.9)	160,941 (-2.4)
Age	26 ≤ age 49	2,363,199 (55.6)	3,107,914 (53.3)	3,135,229 (53.5)	3,211,163 (53.6)
	Change from Pre-ACA	N/A	744,715 (-2.3)	772,030 (-2.0)	847,964 (-1.9)
	$50 \le age \le 64$	1,140,056 (26.8)	1,778,765 (30.5)	1,801,955 (30.8)	1,864,315 (31.1)
	Change from Pre-ACA	N/A	638,709 (3.7)	661,899 (4.0)_	724,259 (4.3)
	Male	2,048,915 (48.2)	2,858,608 (49.0)	2,884,558 (49.2)	2,939,018 (49.1)
Sex	Change from Pre-ACA	N/A	809,693 (0.8)	835,643 (1.1)	890,103 (0.9)
	Female	2,201,833 (51.8)	2,973,647 (51.0)	2,972,285 (50.7)	3,046,072 (50.9)
	Change from Pre-ACA	N/A	771,814 (-0.8)	770,452 (-1.0)	844,239 (-0.9)
	Missing	2,362 (0.1)	189 (0.003)	843 (0.01)	1,184 (0.02)
	Change from Pre-ACA	N/A	-2,173 (-0.1)	-1,519 (-0.04)	-1,178 (-0.04)
	Medicare	594,888 (14.0)	893,412 (15.3)	880,447 (15.0)	900,217 (15.0)
	Change from Pre-ACA	N/A	298,524 (1.3)	285,559 (1.0)	305,329 (1.1)
Payer	Medicaid	1,080,543 (25.4)	2,001,397 (34.3)	2,076,044 (35.4)	2,163,754 (36.1)
	Change from Pre-ACA	N/A	920,854 (8.9)	995,501 (10.0)	1,083,211 (10.7)
	Private	1,161,704 (27.3)	1,407,246 (24.1)	1,508,765 (25.8)	1,551,449 (25.9)
	Change from Pre-ACA	N/A	245,542 (-3.2)	347,061 (-1.6)	389,745 (-1.4)
	Uninsured	1,397,543 (32.9)	1,519,300 (26.0)	1,383,423 (23.6)	1,362,548 (22.8)
	Change from Pre-ACA	N/A	121,757 (-6.8)	-14,120 (-9.2)	-34,995 (-10.1)
	Missing	18,432 (0.4)	11,089 (0.2)	9,007 (0.2)	8,306 (0.1)
	Change from Pre-ACA	N/A	-7,343 (-0.2)	-9,425 (-0.3)	-10,126 (-0.3)
	Urban	4,041,282 (95.0)	5,562,407 (95.4)	5,639,622 (96.3)	5,626,675 (94.0)
Region	Change from Pre-ACA	N/A	1,521,125 (0.4)	1,598,340 (1.3)	1,585,393 (-1.0)
	Rural	211,828 (5.0)	270,037 (4.6)	218,064 (3.7)	359,599 (6.0)
	Change from Pre-ACA	N/A	58,209 (-0.4)	6,236 (-1.3)	147,771 (1.0)

Note: Percentages are based on total visits, N.

Table 5
Summary of Psychiatric-Related Emergency Department Visit Disposition

	Pre-ACA		Post-ACA			
Psychiatric-Related ED Visits Disposition	2009 N=4,253,110	2011 N=4,717,856	2012 N=5,267,941	2013 N=5,261,875		
•	n (%)	n (%)	n (%)	n (%)		
Treated and Released	3,120,641 (73.4)	3,570,582 (75.7)	4,040,346 (76.7)	4,077,050 (77.5)		
Admitted/Transferred to Hospital	1,120,591 (26.3)	1,134,480 (24.0)	1,217,517 (23.1)	1,173,982 (22.3)		
Other	11,878 (0.3)	12,794 (0.3)	10,078 (0.2)	10,843 (0.2)		

Note: ED Visits may have more than one psychiatric diagnosis. Percentages are based on total visits, N.

Table 5 (Continued)
Summary of Psychiatric-Related Emergency Department Visit Disposition

	Pre-ACA	Post-ACA			
Psychiatric-Related ED Visits	2009	2014	2015 2016		
Disposition	N=4,253,110	N=5,832,444	N=5,857,686	N=5,986,274	
	n (%)	n (%)	n (%)	n (%)	
Treated and Released	3,120,641 (73.4)	4,529,512 (77.7)	4,248,209 (72.5)	4,725,090 (78.9)	
Admitted/Transferred to Hospital	1,120,591 (26.3)	1,290,870 (22.1)	1,203,119 (20.5)	1,248,895 (20.9)	
Other	11.878 (0.3)	12.062 (0.2)	406,358 (6.9)	12.289 (0.2)	

Note: ED Visits may have more than one psychiatric diagnosis. Percentages are based on total visits, N.

Table 6
Summary of Psychiatric-Related Emergency Department Visit Disposition by Age

	Pre-ACA	J	Post-ACA	
Number of Psychiatric-Related ED	2009	2011	2012	2013
Visits Disposition/Age	N=4,253,110	N=4,717,856	N=5,267,941	N=5,261,875
	n (%)	n (%)	n (%)	n (%)
Treat-and-Release	3,120,641 (73.4)	3,570,582 (75.7)	4,040,346 (76.7)	4,077,050 (77.5)
$18 \le age \le 25$	647,925 (15.2)	720,246 (15.3)	790,934 (15.0)	770,081 (14.6)
$26 \le age \le 49$	1,819,787 (42.8)	2,038,355 (43.2)	2,289,659 (43.5)	2,300,526 (43.7)
$50 \le age \le 64$	652,929 (15.4)	811,981 (17.2)	959,753 (18.2)	1,006,443 (19.1)
Admitted/Transferred to Hospital	1,120,591 (26.3)	1,134,480 (24.0)	1,217,517 (23.1)	1,173,982 (22.3)
$18 \le age \le 25$	100,155 (2.4)	100,871 (2.1)	106,592 (2.0)	102,563 (1.9)
$26 \le age \le 49$	536,677 (12.6)	515,028 (10.9)	544,773 (10.3)	514,489 (9.8)
$50 \le age \le 64$	483,759 (11.4)	518,581 (11.0)	566,152 (10.7)	556,930 (10.6)
Other	11,878 (0.3)	12,794 (0.3)	10,078 (0.2)	10,843 (0.2)
$18 \le age \le 25$	1,775 (0.04)	1,964 (0.04)	1,524 (0.03)	1,562 (0.03)
$26 \le age \le 49$	6,735 (0.2)	6,620 (0.1)	5,173 (0.1)	5,444 (0.1)
$50 \le age \le 64$	3,368 (0.1)	4,210 (0.1)	3,381 (0.1)	3,837 (0.1)

Note: ED Visits may have more than one psychiatric diagnosis. Percentages are based on total visits, N

Table 6 (Continued)
Summary of Psychiatric-Related Emergency Department Visit Disposition by Age

	Pre-ACA	• •	Post-ACA	v
Number of Psychiatric-Related ED	2009	2014	2015	2016
Visits Disposition/Age	N=4,253,110	N=5,832,444	N=5,857,686	N=5,986,274
	n (%)	n (%)	n (%)	n (%)
Treat-and-Release	3,120,641 (73.4)	4,529,512 (77.7)	4,248,209 (72.5)	4,725,090 (78.9)
$18 \le age \le 25$	647,925 (15.2)	832,045 (14.3)	756,474 (12.9)	805,708 (13.5)
$26 \le age \le 49$	1,819,787 (42.8)	2,546,771 (43.7)	2,384,777 (40.7)	2,673,535 (44.7)
$50 \le age \le 64$	652,929 (15.4)	1,150,696 (19.7)	1,106,958 (18.9)	1,245,847 (20.8)
Admitted/Transferred to Hospital	1,120,591 (26.3)	1,290,870 (22.1)	1,203,119 (20.5)	1,248,895 (20.9)
$18 \le age \le 25$	100,155 (2.4)	112,034 (1.9)	98,264 (1.7)	103,733 (1.7)
$26 \le age \le 49$	536,677 (12.6)	554,711 (9.5)	510,675 (8.7)	531,499 (8.9)
$50 \le age \le 64$	483,759 (11.4)	624,125 (10.7)	594,180 (10.1)	613,663 (10.3)
Other	11,878 (0.3)	12,062 (0.2)	406,358 (6.9)	12,289 (0.2)
$18 \le age \le 25$	1,775 (0.04)	1,686 (0.03)	65,764 (1.1)	1,355 (0.02)
$26 \le age \le 49$	6,735 (0.2)	6,432 (0.1)	239,777 (4.1)	6,129 (0.1)
$50 \le age \le 64$	3,368 (0.1)	3,944 (0.1)	100,817 (1.7)	4,805 (0.1)

Note: ED Visits may have more than one psychiatric diagnosis. Percentages are based on total visits, N

Table 7
Summary of Psychiatric-Related Emergency Department Visit Disposition by Sex

Summary of 1 Sychiatric Related Emergency Department visit Disposition by Sex						
	Pre-ACA		Post-ACA			
	2009	2011	2012	2013		
	N=4,253,110	N=4,717,856	N=5,267,941	N=5,261,875		
ED Disposition/Sex	n (%)	n (%)	n (%)	n (%)		
Treat-and-Release	3,120,641 (73.4)	3,570,582 (75.7)	4,040,346 (76.7)	4,077,050 (77.5)		
Male,	1,453,275 (34.2)	1,666,246 (35.3)	1,891,558 (35.9)	1,927,126 (36.6)		
Female	1,665,061 (39.1)	1,903,275 (40.3)	2,148,601 (40.8)	2,149,765 (40.9)		
Missing	2,305 (0.1)	1,061 (0.02)	187 (<0.01)	159 (<0.01)		
Admitted/Transferred to Hospital	1,120,591 (26.3)	1,134,480 (24.0)	1,217,517 (23.1)	1,173,982 (22.3)		
Male	588,467 (13.8)	594,089 (12.6)	639,650 (12.1)	620,074 (11.8)		
Female	532,070 (12.5)	540,373 (11.5)	577,844 (11.0)	553,875 (10.5)		
Missing	54 (<0.01)	18 (<0.01)	23 (<0.01)	33 (<0.01)		
Other	11,878 (0.3)	12,794 (0.3)	10,078 (0.2)	10,843 (0.2)		
Male	7,173 (0.2)	7,075 (0.1)	5,494 (0.1)	6,382 (0.1)		
Female	4,702 (0.1)	5,714 (0.1)	4,584 (0.1)	4,460 (0.1)		
Missing	3 (<0.01)	5 (<0.01)	0	1 (<0.01)		

Note: ED Visits may have more than one psychiatric diagnosis. Percentages are based on total visits, N.

Table 7 (Continued)
Summary of Psychiatric-Related Emergency Department Visit Disposition by Sex

	Pre-ACA	Post-ACA			
	2009	2014	2015	2016	
	N=4,253,110	N=5,832,444	N=5,857,686	N=5,986,274	
ED Disposition/Sex	n (%)	n (%)	n (%)	n (%)	
Treat-and-Release	3,120,641 (73.4)	4,529,512 (77.7)	4,248,209 (72.5)	4,725,090 (78.9)	
Male,	1,453,275 (34.2)	2,163,413 (37.1)	2,049,294 (35.0)	2,265,127 (37.8)	
Female	1,665,061 (39.1)	2,365,947 (40.6)	2,198,276 (37.5)	2,459,367 (41.1)	
Missing	2,305 (0.1)	152 (<0.01)	639 (0.01)	596 (0.01)	
Admitted/Transferred to Hospital	1,120,591 (26.3)	1,290,870 (22.1)	1,203,119 (20.5)	1,248,895 (20.9)	
Male	588,467 (13.8)	687,737 (11.8)	642,354 (11.0)	666,674 (11.1)	
Female	532,070 (12.5)	603,097 (10.3)	560,586 (9.6)	581,635 (9.7)	
Missing	54 (<0.01)	36 (<0.01)	179 (<0.01)	586 (0.01)	
Other	11,878 (0.3)	12,062 (0.2)	406,358 (6.9)	12,289 (0.2)	
Male	7,173 (0.2)	7,458 (0.1)	192,910 (3.3)	7,217 (0.1)	
Female	4,702 (0.1)	4,603 (0.1)	213,423 (3.6)	5,070 (0.1)	
Missing	3 (<0.01)	1 (<0.01)	25 (<0.01)	2 (<0.01)	

Note: ED Visits may have more than one psychiatric diagnosis. Percentages are based on total visits, N.

Table 8
Summary of Psychiatric-Related Emergency Department Visit Disposition by Payer

	Pre-ACA		Post-ACA	
	2009	2011	2012	2013
ED Disposition/	N=4,253,110	N=4,717,856	N=5,267,941	N=5,261,875
Payer	n (%)	n (%)	n (%)	n (%)
Treat-and-Release	3,120,641 (73.4)	3,570,582 (75.7)	4,040,346 (76.7)	4,077,050 (77.5)
Medicare	351,324 (8.3)	432,162 (9.2)	512,171 (9.7)	518,063 (9.8)
Medicaid	783,742 (18.4)	995,946 (21.1)	1,126,702 (21.4)	1,122,671 (21.3)
Private	825,506 (19.4)	871,169 (18.5)	936,465 (17.8)	937,727 (17.8)
Uninsured	1,144,261 (26.9)	1,254,633 (26.6)	1,458,301 (27.7)	1,490,029 (28.3)
Missing	15,808 (0.4)	16,672 (0.4)	6,707 (0.1)	8,560 (0.2)
Admitted/Transferred to Hospital	1,120,591 (26.3)	1,134,480 (24.0)	1,217,517 (23.1)	1,173,982 (22.3)
Medicare	241,779 (5.7)	262,678 (5.6)	284,643 (5.4)	278,930 (5.3)
Medicaid	293,575 (6.9)	311,178 (6.6)	337,994 (6.4)	320,683 (6.1)
Private	333,773 (7.8)	312,722 (6.6)	310,319 (5.9)	300,202 (5.7)
Uninsured	249,015 (5.9)	246,136 (5.2)	282,822 (5.4)	272,168 (5.2)
Missing	2,449 (0.1)	1,766 (0.04)	1,739 (0.03)	1,999 (0.04)
Other	11,878 (0.3)	12,794 (0.3)	10,078 (0.2)	10,843 (0.2)
Medicare	1,785 (0.04)	1,960 (0.04)	1,435 (0.03)	1,605 (0.03)
Medicaid	3,226 (0.1)	3,154 (0.07)	2,249 (0.04)	2,491 (0.05)
Private	2,425 (0.1)	4,445 (0.09)	3,436 (0.1)	2,768 (0.05)
Uninsured	4,267 (0.1)	2,961 (0.06)	2,446 (0.05)	3,283 (0.1)
Missing	175 (<0.01)	274 (0.01)	512 (0.01)	696 (0.01)

Note: ED Visits may have more than one psychiatric diagnosis. Percentages are based on total visits, N.

Table 8 (Continued)
Summary of Psychiatric-Related Emergency Department Visit Disposition by Payer

	Pre-ACA		Post-ACA	•
	2009	2014	2015	2016
ED Disposition/	N=4,253,110	N=5,832,444	N=5,857,686	N=5,986,274
Payer	n (%)	n (%)	n (%)	n (%)
Treat-and-Release	3,120,641 (73.4)	4,529,512 (77.7)	4,248,209 (72.5)	4,725,090 (78.9)
Medicare	351,324 (8.3)	579,706 (9.9)	544,704 (9.3)	598,452 (10.0)
Medicaid	783,742 (18.4)	1,550,734 (26.6)	1,601,960 (27.3)	1,732,707 (28.9)
Private	825,506 (19.4)	1,083,661 (18.6)	1,066,226 (18.2)	1,212,889 (20.3)
Uninsured	1,144,261 (26.9)	1,306,336 (22.4)	1,030,704 (17.6)	1,174,400 (19.6)
Missing	15,808 (0.4)	9,075 (0.2)	4,615 (0.1)	6,642 (0.1)
Admitted/Transferred to Hospital	1,120,591 (26.3)	1,290,870 (22.1)	1,203,119 (20.5)	1,248,895 (20.9)
Medicare	241,779 (5.7)	311,959 (5.3)	288,479 (4.9)	299,567 (5.0)
Medicaid	293,575 (6.9)	446,848 (7.7)	414,834 (7.1)	426,046 (7.1)
Private	333,773 (7.8)	321,427 (5.5)	321,219 (5.5)	335,750 (5.6)
Uninsured	249,015 (5.9)	209,171 (3.6)	177,476 (3.0)	186,315 (3.1)
Missing	2,449 (0.1)	1,465 (0.03)	1,111 (0.02)	1,217 (0.02)
Other	11,878 (0.3)	12,062 (0.2)	406,358 (6.9)	12,289 (0.2)
Medicare	1,785 (0.04)	1,747 (0.03)	47,264 (0.8)	2,198 (0.04)
Medicaid	3,226 (0.1)	3,815 (0.1)	59,250 (1.0)	5,001 (0.1)
Private	2,425 (0.1)	2,158 (0.04)	121,320 (2.1)	2,810 (0.05)
Uninsured	4,267 (0.1)	3,793 (0.1)	175,243 (3.0)	1,833 (0.03)
Missing	175 (<0.01)	549 (0.01)	3,281 (0.1)	447 (0.01)

Note: ED Visits may have more than one psychiatric diagnosis. Percentages are based on total visits, N.

Table 9
Psychiatric-Related Emergency Department Visit Disposition by Hospital Region

	Pre-ACA	Post-ACA		
	2009	2011	2012	2013
ED Disposition/	N=4,253,110	N=4,717,856	N=5,267,941	N=5,261,875
Hospital Region	n (%)	n (%)	n (%)	n (%)
Treat-and-Release	3,120,641 (73.4)	3,570,582 (75.7)	4,040,346 (76.7)	4,077,050 (77.5)
Urban	2,952,057 (69.4)	3,396,252 (72.0)	3,852,943 (73.1)	3,864,871 (73.5)
Rural	168,584 (4.0)	174,330 (3.7)	187,403 (3.6)	212,179 (4.0)
Admitted/Transferred to Hospital	1,120,591 (26.3)	1,134,480 (24.0)	1,217,517 (23.1)	1,173,982 (22.3)
Urban	1,077,638 (25.3)	1,096,376 (23.2)	1,182,808 (22.4)	1,136,435 (21.6)
Rural	42,953 (1.0)	38,104 (0.8)	34,709 (0.7)	37,547 (0.7)
Other	11,878 (0.3)	12,794 (0.3)	10,078 (0.2)	10,843 (0.2)
Urban	11,587 (0.3)	10,749 (0.2)	8,180 (0.2)	9,229 (0.2)
Rural	291 (0.01)	2,045 (0.04)	1,898 (0.04)	1,614 (0.03)

Note: ED Visits may have more than one psychiatric diagnosis. Percentages are based on total visits, N.

Table 9 (Continued)
Psychiatric-Related Emergency Department Visit Disposition by Hospital Region

1 Sychiatric-Related Em	Pre-ACA	Post-ACA		
	2009	2014	2015	2016
ED Disposition/	N=4,253,110	N=5,832,444	N=5,857,686	N=5,986,274
Hospital Region	n (%)	n (%)	n (%)	n (%)
Treat-and-Release	3,120,641 (73.4)	4,529,512 (77.7)	4,248,209 (72.5)	4,725,090 (78.9)
Urban	2,952,057 (69.4)	4,303,446 (73.8)	4,075,031 (69.6)	4,420,683 (73.8)
Rural	168,584 (4.0)	226,066 (3.9)	173,178 (3.0)	304,407 (5.1)
Admitted/Transferred to Hospital	1,120,591 (26.3)	1,290,870 (22.1)	1,203,119 (20.5)	1,248,895 (20.9)
Urban	1,077,638 (25.3)	1,247,642 (21.4)	1,174,909 (20.1)	1,194,690 (20.0)
Rural	42,953 (1.0)	43,228 (0.7)	28,210 (0.5)	54,205 (0.9)
Other	11,878 (0.3)	12,062 (0.2)	406,358 (6.9)	12,289 (0.2)
Urban	11,587 (0.3)	11,319 (0.2)	389,682 (6.7)	11,302 (0.2)
Rural	291 (0.01)	743 (0.01)	16,676 (0.3)	987 (0.02)

Note: ED Visits may have more than one psychiatric diagnosis. Percentages are based on total visits, N.

Table 10 Summary of Psychiatric-Related Emergency Department Visit with Treat-and-Release Disposition By Patient Characteristics

		Pre-ACA		Post-ACA	
Number of Psychiatric- Related ED Visits with Treat-		2009 N=3,120,641	2011 N=3,570,582	2012 N=4,040,346	2013 N=4,077,050
and-Relea	se Disposition by	n (%)	n (%)	n (%)	n (%)
	$18 \le age \le 25$	647,925 (20.8)	720,246 (20.2)	790,934 (19.6)	770,081 (18.9)
Age	$26 \le age \le 49$	1,819,787 (58.3)	2,038,355 (57.1)	2,289,659 (56.7)	2,300,526 (56.4)
	$50 \le age \le 64$	652,929 (20.9)	811,981 (22.7)	959,753 (23.8)	1,006,443 (24.7)
Sex	Male	1,453,275 (46.6)	1,666,246 (46.7)	1,891,558 (46.8)	1,927,126 (47.3)
	Female	1,665,061 (53.4)	1,903,275 (53.3)	2,148,601 (53.2)	2,149,765 (52.7)
	Missing	2,305 (0.1)	1,061 (0.03)	187 (0.01)	159 (<0.01)
	Medicare	351,324 (11.3)	432,162 (12.1)	512,171 (12.7)	518,063 (12.7)
	Medicaid	783,742 (25.1)	995,946 (27.9)	1,126,702 (27.9)	1,122,671 (27.5)
Payer	Private	825,506 (26.5)	871,169 (24.4)	936,465 (23.2)	937,727 (23.0)
	Uninsured	1,144,261 (36.7)	1,254,633 (35.1)	1,458,301 (36.1)	1,490,029 (36.5)
	Missing	15,808 (0.5)	16,672 (0.5)	6,707 (0.2)	8,560 (0.2)
Region	Urban	2,952,057 (94.6)	3,396,252 (95.1)	3,852,943 (95.4)	3,864,871 (94.8)
	Rural	168,584 (5.4)	174,330 (4.9)	187,403 (4.6)	212,179 (5.2)

Note: The total number of psychiatric-related ED visits are all ED visits with disposition of Treat-and-Release. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total visits, N.

Table 10 (Continued)
Summary of Psychiatric-Related Emergency Department Visit with Treat-and-Release
Disposition By Patient Characteristics

	Pre-ACA Post-ACA				
	of Psychiatric-Related	2009	2014	2015	2016
	with Treat-and-	N=3,120,641	N=4,529,512	N=4,248,209	N=4,725,090
Release D	isposition by	n (%)	n (%)	n (%)	n (%)
	$18 \le age \le 25$	647,925 (20.8)	832,045 (18.4)	756,474 (17.8)	805,708 (17.1)
Age	$26 \le age \le 49$	1,819,787 (58.3)	2,546,771 (56.2)	2,384,777 (56.1)	2,673,535 (56.6)
	$50 \le age \le 64$	652,929 (20.9)	1,150,696 (25.4)	1,106,958 (26.1)	1,245,847 (26.4)
Sex	Male	1,453,275 (46.6)	2,163,413 (47.8)	2,049,294 (48.2)	2,265,127 (47.9)
	Female	1,665,061 (53.4)	2,365,947 (52.2)	2,198,276 (51.7)	2,459,367 (52.0)
	Missing	2,305 (0.1)	152 (<0.01)	639 (0.02)	596 (0.01)
	Medicare	351,324 (11.3)	579,706 (12.8)	544,704 (12.8)	598,452 (12.7)
	Medicaid	783,742 (25.1)	1,550,734 (34.2)	1,601,960 (37.7)	1,732,707 (36.7)
Payer	Private	825,506 (26.5)	1,083,661 (23.9)	1,066,226 (25.1)	1,212,889 (25.7)
	Uninsured	1,144,261 (36.7)	1,306,336 (28.8)	1,030,704 (24.3)	1,174,400 (24.9)
	Missing	15,808 (0.5)	9,075 (0.2)	4,615 (0.1)	6,642 (0.1)
Region	Urban	2,952,057 (94.6)	4,303,446 (95.0)	4,075,031 (95.9)	4,420,683 (93.6)
	Rural	168,584 (5.4)	226,066 (5.0)	173,178 (4.1)	304,407 (6.4)

Note: The total number of psychiatric-related ED visits are all ED visits with disposition of Treat-and-Release. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total visits, N..

Table 11 Analysis of Proportion of Psychiatric-Related Emergency Department Visits 2011 vs 2009

	Post-ACA (2011)	Pre-ACA (2009)
Psychiatric-Related ED Visits	N = 17,845,772	N = 17,645,539
	n (%)	n (%)
Psychiatric-Related ED Visits		
Yes	4,717,856 (26.4)	4,253,110 (24.1)
No	13,127,916 (73.6)	13,392,429 (75.9)
Model ¹	Odds Ratio (95% CI)	P-Value ²
Model 1		
ACA	1.132 (1.130, 1.133)	< 0.0001
Model 2	· · · · · · · · · · · · · · · · · · ·	
ACA	1.127 (1.125, 1.129)	< 0.0001
Age	0.816 (0.815, 0.817)	< 0.0001
Model 3	· · · · · · · · · · · · · · · · · · ·	
ACA	1.132 (1.130, 1.134)	< 0.0001
Sex	1.338 (1.336, 1.340)	< 0.0001
Model 4	· · · · · · · · · · · · · · · · · · ·	
ACA	1.121 (1.120, 1.123)	< 0.0001
Payer	1.168 (1.167, 1.169)	< 0.0001
Model 5	· · · · · · · · · · · · · · · · · · ·	
ACA	1.131 (1.129, 1.133)	< 0.0001
Region	1.479 (1.474, 1.484)	< 0.0001
Model 6	· · · · · · · · · · · · · · · · · · ·	
ACA	1.117 (1.116, 1.119)	< 0.0001
Age	0.853 (0.852, 0.854)	< 0.0001
Sex	1.365 (1.363, 1.368)	< 0.0001
Payer	1.171 (1.170, 1.172)	< 0.0001
Region	1.509 (1.503, 1.514)	< 0.0001

Table 12 Analysis of Proportion of Psychiatric-Related Emergency Department Visits 2012 vs 2009

	2012 15 2007	
	Post-ACA (2012)	Pre-ACA (2009)
Psychiatric-Related ED Visits	N = 19,325,068	N = 17,645,539
	n (%)	n (%)
Psychiatric-Related ED Visits		
Yes	5,267,941 (27.3)	4,253,110 (24.1)
No	14,057,127 (72.7)	13,392,429 (75.9)
Model ¹	Odds Ratio (95% CI)	P-Value ²
Model 1		
ACA	1.180 (1.178, 1.182)	< 0.0001
Model 2		
ACA	1.173 (1.172, 1.175)	< 0.0001
Age	0.811 (0.810, 0.812)	< 0.0001
Model 3		
ACA	1.181 (1.179, 1.183)	< 0.0001
Sex	1.350 (1.348, 1.352)	< 0.0001
Model 4		
ACA	1.170 (1.168, 1.171)	< 0.0001
Payer	1.165 (1.164, 1.166)	< 0.0001
Model 5		
ACA	1.177 (1.175, 1.178)	< 0.0001
Region	1.425 (1.420, 1.430)	< 0.0001
Model 6		
ACA	1.162 (1.160, 1.164)	< 0.0001
Age	0.849 (0.848, 0.850)	< 0.0001
Sex	1.377 (1.375, 1.379)	< 0.0001
Payer	1.167 (1.166, 1.168)	< 0.0001
Region	1.451 (1.446, 1.456)	< 0.0001

¹Model 1: Psychiatric-Related ED Visits = ACA; Model 2: Psychiatric-Related ED Visits = ACA Age; Model 3: Psychiatric-Related ED Visits = ACA Sex; Model 4: Psychiatric-Related ED Visits = ACA Payer; Model 5: Psychiatric-Related ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

Model 1: Psychiatric-Related ED Visits = ACA; Model 2: Psychiatric-Related ED Visits = ACA Age; Model 3: Psychiatric-Related ED Visits = ACA Payer;

Model 5: Psychiatric-Related ED Visits = ACA Region; Model 6: Psychiatric-Related ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

Table 13 Analysis of Proportion of Psychiatric-Related Emergency Department Visits 2013 vs 2009

	Post-ACA (2013)	Pre-ACA (2009)
Psychiatric-Related ED Visits	N = 18,412,805	N = 17,645,539
	n (%)	n (%)
Psychiatric-Related ED Visits		
Yes	5,261,875 (28.6)	4,253,110 (24.1)
No	13,150,930 (71.4)	13,392,429 (75.9)
Model ¹	Odds Ratio (95% CI)	P-Value ²
Model 1		
ACA	1.260 (1.258, 1.262)	< 0.0001
Model 2		
ACA	1.250 (1.248, 1.252)	< 0.0001
Age	0.809 (0.808, 0.809)	< 0.0001
Model 3		
ACA	1.261 (1.259, 1.263)	< 0.0001
Sex	1.365 (1.363, 1.367)	< 0.0001
Model 4		
ACA	1.248 (1.246, 1.250)	< 0.0001
Payer	1.150 (1.149, 1.151)	< 0.0001
Model 5		
ACA	1.258 (1.256, 1.260)	< 0.0001
Region	1.368 (1.363, 1.372)	< 0.0001
Model 6		
ACA	1.239 (1.237, 1.241)	< 0.0001
Age	0.845 (0.844, 0.846)	< 0.0001
Sex	1.386 (1.384, 1.388)	< 0.0001
Payer	1.152 (1.151, 1.153)	< 0.0001
Region	1.390 (1.386, 1.395)	< 0.0001

Table 14 Analysis of Proportion of Psychiatric-Related Emergency Department Visits 2014 vs 2009

2014 VS 2007					
	Post-ACA (2014)	Pre-ACA (2009)			
Psychiatric-Related ED Visits	N = 19,498,007	N = 17,645,539			
	n (%)	n (%)			
Psychiatric-Related ED Visits					
Yes	5,832,444 (29.9)	4,253,110 (24.1)			
No	13,665,563 (70.1)	13,392,429 (75.9)			
Model ¹	Odds Ratio (95% CI)	P-Value ²			
Model 1					
ACA	1.344 (1.342, 1.346)	< 0.0001			
Model 2					
ACA	1.330 (1.328, 1.332)	< 0.0001			
Age	0.808 (0.807, 0.809)	< 0.0001			
Model 3					
ACA	1.346 (1.344, 1.348)	< 0.0001			
Sex	1.390 (1.388, 1.392)	< 0.0001			
Model 4					
ACA	1.304 (1.302, 1.306)	< 0.0001			
Payer	1.181 (1.180, 1.182)	< 0.0001			
Model 5					
ACA	1.340 (1.339, 1.342)	< 0.0001			
Region	1.329 (1.325, 1.334)	< 0.0001			
Model 6					
ACA	1.291 (1.289, 1.293)	< 0.0001			
Age	0.849 (0.849, 0.850)	< 0.0001			
Sex	1.416 (1.413, 1.418)	< 0.0001			
Payer	1.183 (1.182, 1.184)	< 0.0001			
Region	1.351 (1.347, 1.356)	< 0.0001			

¹Model 1: Psychiatric-Related ED Visits = ACA; Model 2: Psychiatric-Related ED Visits = ACA Age;

¹Model 1: Psychiatric-Related ED Visits = ACA; Model 2: Psychiatric-Related ED Visits = ACA Age; Model 3: Psychiatric-Related ED Visits = ACA Sex; Model 4: Psychiatric-Related ED Visits = ACA Payer; Model 5: Psychiatric-Related ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

Model 3: Psychiatric-Related ED Visits = ACA Sex; Model 4: Psychiatric-Related ED Visits = ACA Payer; Model 5: Psychiatric-Related ED Visits = ACA Region; Model 6: Psychiatric-Related ED Visits = ACA Age Sex Payer Region

 $^{^2}$ P-value using $\chi 2$ test

Table 15 Analysis of Proportion of Psychiatric-Related Emergency Department Visits 2015 vs 2009

	Post-ACA (2015)	Pre-ACA (2009)
Psychiatric-Related ED Visits	N = 18,738,803	N = 17,645,539
	n (%)	n (%)
Psychiatric-Related ED Visits		
Yes	5,857,686 (31.3)	4,253,110 (24.1)
No	12,881,117 (68.7)	13,392,429 (75.9)
Model ¹	Odds Ratio (95% CI)	P-Value ²
Model 1		
ACA	1.432 (1.430, 1.434)	< 0.0001
Model 2		
ACA	1.414 (1.412, 1.416)	< 0.0001
Age	0.812 (0.812, 0.813)	< 0.0001
Model 3		
ACA	1.433 (1.431, 1.435)	< 0.0001
Sex	1.393 (1.391, 1.395)	< 0.0001
Model 4		
ACA	1.381 (1.379, 1.383)	< 0.0001
Payer	1.189 (1.188, 1.189)	< 0.0001
Model 5		
ACA	1.424 (1.422, 1.426)	< 0.0001
Region	1.388 (1.383, 1.393)	< 0.0001
Model 6		
ACA	1.361 (1.359, 1.363)	< 0.0001
Age	0.854 (0.853, 0.855)	< 0.0001
Sex	1.419 (1.417, 1.421)	< 0.0001
Payer	1.191 (1.190, 1.192)	< 0.0001
Region	1.417 (1.412, 1.422)	< 0.0001

Table 16 Analysis of Proportion of Psychiatric-Related Emergency Department Visits 2016 vs 2009

2010 13 2007				
	Post-ACA (2016)	Pre-ACA (2009)		
Psychiatric-Related ED Visits	N = 20,073,238	N = 17,645,539		
	n (%)	n (%)		
Psychiatric-Related ED Visits				
Yes	5,986,274 (29.8)	4,253,110 (24.1)		
No	14,086,964 (70.2)	13,392,429 (75.9)		
Model ¹	Odds Ratio (95% CI)	P-Value ²		
Model 1				
ACA	1.338 (1.336, 1.340)	< 0.0001		
Model 2				
ACA	1.320 (1.318, 1.322)	< 0.0001		
Age	0.808 (0.807, 0.809)	< 0.0001		
Model 3				
ACA	1.340 (1.338, 1.342)	< 0.0001		
Sex	1.396 (1.394, 1.398)	< 0.0001		
Model 4				
ACA	1.287 (1.285, 1.289)	< 0.0001		
Payer	1.200 (1.199, 1.201)	< 0.0001		
Model 5				
ACA	1.338 (1.336, 1.340)	< 0.0001		
Region	1.212 (1.208, 1.215)	< 0.0001		
Model 6				
ACA	1.275 (1.273, 1.276)	< 0.0001		
Age	0.852 (0.851, 0.853)	< 0.0001		
Sex	1.421 (1.419, 1.424)	< 0.0001		
Payer	1.201 (1.200, 1.202)	< 0.0001		
Region	1.231 (1.227, 1.235)	< 0.0001		

¹Model 1: Psychiatric-Related ED Visits = ACA; Model 2: Psychiatric-Related ED Visits = ACA Age;

¹ Model 1: Psychiatric-Related ED Visits = ACA; Model 2: Psychiatric-Related ED Visits = ACA Age; Model 3: Psychiatric-Related ED Visits = ACA Sex; Model 4: Psychiatric-Related ED Visits = ACA Payer; Model 5: Psychiatric-Related ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

Model 3: Psychiatric-Related ED Visits = ACA Sex; Model 4: Psychiatric-Related ED Visits = ACA Payer; Model 5: Psychiatric-Related ED Visits = ACA Region; Model 6: Psychiatric-Related ED Visits = ACA Age Sex Payer Region

 $^{^2}$ P-value using $\chi 2$ test

Table 17
Analysis of Patient Characteristics for Psychiatric-Related ED Visits 2011 vs 2009

Patient Characteristics		Post-ACA (2011) N = 4,717,856	Pre-ACA (2009) N = 4,253,110	P-value ¹
		n (%)	n (%)	
	$18 \le age \le 25$	823,081 (17.4)	749,855 (17.6)	< 0.0001
Age	$26 \le age \le 49$	2,560,003 (54.3)	2,363,199 (55.6)	< 0.0001
	$50 \le age \le 64$	1,334,772 (28.3)	1,140,056 (26.8)	< 0.0001
Sex	Male	2,267,410 (48.1)	2,048,915 (48.2)	< 0.0001
	Female	2,449,362 (51.9)	2,201,833 (51.8)	< 0.0001
	Medicare	696,800 (14.8)	594,888 (14.0)	< 0.0001
Payer	Medicaid	1,310,278 (27.9)	1,080,543 (25.5)	< 0.0001
	Private	1,188,336 (25.3)	1,161,704 (27.4)	< 0.0001
	Uninsured	1,503,730 (32.0)	1,397,543 (33.0)	< 0.0001
Region	Urban	4,503,377 (95.4)	4,041,282 (95.0)	< 0.0001
	Rural	214,479 (4.6)	211,828 (5.0)	< 0.0001

¹P-value using Chi-Square test

Table 18
Analysis of Patient Characteristics for Psychiatric-Related ED Visits 2012 vs 2009

2012 19 2009					
Patient Characteristics		Post-ACA (2012) N = 5,267,941	Pre-ACA (2009) N = 4,253,110	P-value ¹	
		n (%)	n (%)		
	$18 \le age \le 25$	899,050 (17.1)	749,855 (17.6)	< 0.0001	
Age	$26 \le age \le 49$	2,839,605 (53.9)	2,363,199 (55.6)	< 0.0001	
	$50 \le age \le 64$	1,529,286 (29.0)	1,140,056 (26.8)	< 0.0001	
Sex	Male	2,536,702 (48.2)	2,048,915 (48.2)	0.1599	
	Female	2,731,029 (51.8)	2,201,833 (51.8)	0.1599	
	Medicare	798,249 (15.2)	594,888 (14.0)	< 0.0001	
Payer	Medicaid	1,466,945 (27.9)	1,080,543 (25.5)	< 0.0001	
	Private	1,250,220 (23.8)	1,161,704 (27.4)	< 0.0001	
	Uninsured	1,743,569 (33.1)	1,397,543 (33.0)	< 0.0001	
Region	Urban	5,043,931 (95.7)	4,041,282 (95.0)	< 0.0001	
_	Rural	224,010 (4.3)	211,828 (5.0)	< 0.0001	

¹P-value using Chi-Square test

Table 19 Analysis of Patient Characteristics for Psychiatric-Related ED Visits 2013 vs 2009

2013 13 2007					
Patient Characteristics		Post-ACA (2013) N = 5,261,875	Pre-ACA (2009) N = 4,253,110	P-value ¹	
		n (%)	n (%)		
	$18 \le age \le 25$	874,206 (16.6)	749,855 (17.6)	< 0.0001	
Age	$26 \le age \le 49$	2,820,459 (53.6)	2,363,199 (55.6)	< 0.0001	
	$50 \le age \le 64$	1,567,210 (29.8)	1,140,056 (26.8)	< 0.0001	
Sex	Male	2,553,582 (48.5)	2,048,915 (48.2)	< 0.0001	
	Female	2,708,100 (51.5)	2,201,833 (51.8)	< 0.0001	
	Medicare	798,598 (15.2)	594,888 (14.0)	< 0.0001	
Payer	Medicaid	1,445,845 (27.5)	1,080,543 (25.5)	< 0.0001	
	Private	1,240,697 (23.6)	1,161,704 (27.4)	< 0.0001	
	Uninsured	1,765,480 (33.6)	1,397,543 (33.0)	< 0.0001	
Region	Urban	5,010,535 (95.2)	4,041,282 (95.0)	< 0.0001	
-	Rural	251,340 (4.8)	211,828 (5.0)	< 0.0001	

¹P-value using Chi-Square test

Table 20 Analysis of Patient Characteristics for Psychiatric-Related ED Visits 2014 vs 2009

Patient Characteristics		Post-ACA (2014) N = 5,832,444	Pre-ACA (2009) N = 4,253,110	P-value ¹
		n (%)	n (%)	
	$18 \le age \le 25$	945,765 (16.2)	749,855 (17.6)	< 0.0001
Age	$26 \le age \le 49$	3,107,914 (53.3)	2,363,199 (55.6)	< 0.0001
	$50 \le age \le 64$	1,778,765 (30.5)	1,140,056 (26.8)	< 0.0001
Sex	Male	2,858,608 (49.0)	2,048,915 (48.2)	< 0.0001
	Female	2,973,647 (51.0)	2,201,833 (51.8)	< 0.0001
	Medicare	893,412 (15.3)	594,888 (14.0)	< 0.0001
Payer	Medicaid	2,001,397 (34.4)	1,080,543 (25.5)	< 0.0001
	Private	1,407,246 (24.2)	1,161,704 (27.4)	< 0.0001
	Uninsured	1,519,300 (26.1)	1,397,543 (33.0)	< 0.0001
Region	Urban	5,562,407 (95.4)	4,041,282 (95.0)	< 0.0001
	Rural	270,037 (4.6)	211,828 (5.0)	< 0.0001

¹P-value using Chi-Square test

Table 21
Analysis of Patient Characteristics for Psychiatric-Related ED Visits 2015 vs 2009

		=010 (5 =00)		
Patient Characteristics		Post-ACA (2015) N = 5,857,686	Pre-ACA (2009) N = 4,253,110	P-value ¹
		n (%)	n (%)	
	$18 \le age \le 25$	920,502 (15.7)	749,855 (17.6)	< 0.0001
Age	$26 \le age \le 49$	3,135,229 (53.5)	2,363,199 (55.6)	< 0.0001
	$50 \le age \le 64$	1,801,955 (30.8)	1,140,056 (26.8)	< 0.0001
Sex	Male	2,884,558 (49.2)	2,048,915 (48.2)	< 0.0001
	Female	2,972,285 (50.8)	2,201,833 (51.8)	< 0.0001
	Medicare	880,447 (15.0)	594,888 (14.0)	< 0.0001
Payer	Medicaid	2,076,044 (35.5)	1,080,543 (25.5)	< 0.0001
	Private	1,508,765 (25.8)	1,161,704 (27.4)	< 0.0001
	Uninsured	1,383,423 (23.6)	1,397,543 (33.0)	< 0.0001
Region	Urban	5,639,622 (96.3)	4,041,282 (95.0)	< 0.0001
_	Rural	218,064 (3.7)	211,828 (5.0)	< 0.0001

¹P-value using Chi-Square test

Table 22
Analysis of Patient Characteristics for Psychiatric-Related ED Visits 2016 vs 2009

		2010 13 2007		
Patient Characteristics		Post-ACA (2016) N = 5,986,274	Pre-ACA (2009) N = 4,253,110	P-value ¹
		n (%)	n (%)	
	$18 \le age \le 25$	910,796 (15.2)	749,855 (17.6)	< 0.0001
Age	$26 \le age \le 49$	3,211,163 (53.6)	2,363,199 (55.6)	< 0.0001
	$50 \le age \le 64$	1,864,315 (31.1)	1,140,056 (26.8)	< 0.0001
Sex	Male	2,939,018 (49.1)	2,048,915 (48.2)	< 0.0001
	Female	3,046,072 (50.9)	2,201,833 (51.8)	< 0.0001
	Medicare	900,217 (15.1)	594,888 (14.0)	< 0.0001
Payer	Medicaid	2,163,754 (36.2)	1,080,543 (25.5)	< 0.0001
	Private	1,551,449 (25.9)	1,161,704 (27.4)	< 0.0001
	Uninsured	1,362,548 (22.8)	1,397,543 (33.0)	< 0.0001
Region	Urban	5,626,675 (94.0)	4,041,282 (95.0)	< 0.0001
-	Rural	359,599 (6.0)	211,828 (5.0)	< 0.0001

¹P-value using Chi-Square test

Table 23 Analysis of Proportion of Psychiatric-Related Emergency Department Disposition of Treat-and-Release, 2011 vs 2009

Psychiatric-Related ED Visits with	Post-ACA (2011)	Pre-ACA (2009)		
Treat-and-Release Disposition	N = 4,717,856	N = 4,253,110		
_	n (%)	n (%)		
Treat-and-Release ED Visits				
Yes	3,570,582 (75.7)	3,120,641 (73.4)		
No	1,147,274 (24.3)	1,132,469 (26.6)		
Model ¹	Odds Ratio (95% CI)	P-Value ²		
Model 1				
ACA	1.129 (1.126, 1.133)	< 0.0001		
Model 2	·			
ACA	1.154 (1.151, 1.158)	< 0.0001		
Age	2.267 (2.261, 2.273)	< 0.0001		
Model 3	·			
ACA	1.130 (1.126, 1.133)	< 0.0001		
Sex	0.791 (0.789, 0.793)	< 0.0001		
Model 4	·			
ACA	1.151 (1.147, 1.154)	< 0.0001		
Payer	0.729 (0.728, 0.730)	< 0.0001		
Model 5	· · · · · · · · · · · · · · · · · · ·			
ACA	1.131 (1.128, 1.135)	< 0.0001		
Region	0.701 (0.695, 0.706)	< 0.0001		
Model 6	, ,			
ACA	1.172 (1.168, 1.176)	< 0.0001		
Age	2.100 (2.095, 2.105)	< 0.0001		
Sex	0.767 (0.764, 0.769)	< 0.0001		
Payer	0.778 (0.777, 0.779)	< 0.0001		
Region	0.666 (0.661, 0.672)	< 0.0001		

Table 24 Analysis of Proportion of Psychiatric-Related Emergency Department Disposition of Treat-and-Release, 2012 vs 2009

Psychiatric-Related ED Visits	Post-ACA (2012)	Pre-ACA (2009)	
Disposition of Treat-and-Release	N = 5,267,941	N = 4,253,110	
_	n (%)	n (%)	
Treat-and-Release ED Visits			
Yes	4,040,346 (76.7)	3,120,641 (73.4)	
No	1,227,595 (23.3)	1,132,469 (26.6)	
Model ¹	Odds Ratio (95% CI)	P-Value ²	
Model 1			
ACA	1.194 (1.191, 1.198)	< 0.0001	
Model 2			
ACA	1.235 (1.232, 1.239)	< 0.0001	
Age	2.247 (2.241, 2.252)	< 0.0001	
Model 3			
ACA	1.196 (1.192, 1.199)	< 0.0001	
Sex	0.791 (0.789, 0.793)	< 0.0001	
Model 4			
ACA	1.221 (1.217, 1.224)	< 0.0001	
Payer	0.735 (0.734, 0.736)	< 0.0001	
Model 5			
ACA	1.198 (1.194, 1.201)	< 0.0001	
Region	0.664 (0.659, 0.670)	< 0.0001	
Model 6			
ACA	1.259 (1.255, 1.263)	< 0.0001	
Age	2.083 (2.078, 2.088)	< 0.0001	
Sex	0.768 (0.766, 0.771)	< 0.0001	
Payer	0.785 (0.784, 0.787)	< 0.0001	
Region	0.634 (0.629, 0.640)	< 0.0001	

¹Model 1: Treat-and-Release ED Visits = ACA; Model 2: Treat-and-Release ED Visits = ACA Age;

¹Model 1: Treat-and-Release ED Visits = ACA; Model 2: Treat-and-Release ED Visits = ACA Age; Model 3: Treat-and-Release ED Visits = ACA Payer; Model 3: Treat-and-Release ED Visits = ACA Payer;

Model 5: Treat-and-Release ED Visits = ACA Region; Model 6: Treat-and-Release ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

Model 3: Treat-and-Release ED Visits = ACA Sex; Model 4: Treat-and-Release ED Visits = ACA Payer;
Model 5: Treat-and-Release ED Visits = ACA Region; Model 6: Treat-and-Release ED Visits = ACA Age Sex Payer Region

 $^{^2}$ P-value using $\chi 2$ test

Table 25 Analysis of Proportion of Psychiatric-Related Emergency Department Disposition of Treat-and-Release, 2013 vs 2009

Psychiatric-Related ED Visits	Post-ACA (2013)	Pre-ACA (2009)
Disposition of Treat-and-Release	N = 5,261,875	N = 4,253,110
-	n (%)	n (%)
Treat-and-Release ED Visits		
Yes	4,077,050 (77.5)	3,120,641 (73.4)
No	1,184,825 (22.5)	1,132,469 (26.6)
Model ¹	Odds Ratio (95% CI)	P-Value ²
Model 1		
ACA	1.249 (1.245, 1.252)	< 0.0001
Model 2	ì i	
ACA	1.306 (1.302, 1.310)	< 0.0001
Age	2.229 (2.223, 2.234)	< 0.0001
Model 3		
ACA	1.251 (1.248, 1.255)	< 0.0001
Sex	0.793 (0.791, 0.795)	< 0.0001
Model 4		
ACA	1.275 (1.271, 1.279)	< 0.0001
Payer	0.732 (0.731, 0.733)	< 0.0001
Model 5		
ACA	1.250 (1.246, 1.254)	< 0.0001
Region	0.658 (0.653, 0.663)	< 0.0001
Model 6		
ACA	1.328 (1.324, 1.333)	< 0.0001
Age	2.059 (2.054, 2.064)	< 0.0001
Sex	0.771 (0.768, 0.773)	< 0.0001
Payer	0.783 (0.782, 0.785)	< 0.0001
Region	0.629 (0.624, 0.634)	< 0.0001

Model 1: Treat-and-Release ED Visits = ACA; Model 2: Treat-and-Release ED Visits = ACA Age;

Table 26 Analysis of Proportion of Psychiatric-Related Emergency Department Disposition of Treat-and-Release, 2014 vs 2009

Psychiatric-Related ED Visits	Post-ACA (2014)	Pre-ACA (2009)		
Disposition of Treat-and-Release	N = 5,832,444	N = 4,253,110		
_	n (%)	n (%)		
Treat-and-Release ED Visits				
Yes	4,529,512 (77.7)	3,120,641 (73.4)		
No	1,302,932 (22.3)	1,132,469 (26.6)		
Model ¹	Odds Ratio (95% CI)	P-Value ²		
Model 1				
ACA	1.262 (1.258, 1.265)	< 0.0001		
Model 2				
ACA	1.332 (1.328, 1.336)	< 0.0001		
Age	2.219 (2.213, 2.224)	< 0.0001		
Model 3				
ACA	1.266 (1.262, 1.269)	< 0.0001		
Sex	0.794 (0.791, 0.796)	< 0.0001		
Model 4				
ACA	1.350 (1.346, 1.354)	< 0.0001		
Payer	0.718 (0.717, 0.719)	< 0.0001		
Model 5				
ACA	1.263 (1.260, 1.267)	< 0.0001		
Region	0.680 (0.674, 0.685)	< 0.0001		
Model 6				
ACA	1.407 (1.403, 1.411)	< 0.0001		
Age	2.045 (2.040, 2.050)	< 0.0001		
Sex	0.772 (0.769, 0.774)	< 0.0001		
Payer	0.769 (0.768, 0.770)	< 0.0001		
Region	0.656 (0.651, 0.661)	< 0.0001		

¹ Model 1: Treat-and-Release ED Visits = ACA; Model 2: Treat-and-Release ED Visits = ACA Age;

Model 3: Treat-and-Release ED Visits = ACA Sex; Model 4: Treat-and-Release ED Visits = ACA Payer;
Model 5: Treat-and-Release ED Visits = ACA Region; Model 6: Treat-and-Release ED Visits = ACA Age Sex Payer Region

 $^{^2}$ P-value using $\chi 2$ test

Model 3: Treat-and-Release ED Visits = ACA Sex; Model 4: Treat-and-Release ED Visits = ACA Payer;
Model 5: Treat-and-Release ED Visits = ACA Region; Model 6: Treat-and-Release ED Visits = ACA Age Sex Payer Region

 $^{^2}$ P-value using $\chi 2$ test

Table 27 Analysis of Proportion of Psychiatric-Related Emergency Department Disposition of Treat-and-Release, 2015 vs 2009

Psychiatric-Related ED Visits	Post-ACA (2015)	Pre-ACA (2009)
Disposition of Treat-and-Release	N = 5,857,686	N = 4,253,110
-	n (%)	n (%)
Treat-and-Release ED Visits		
Yes	4,248,209 (72.5)	3,120,641 (73.4)
No	1,609,477 (27.5)	1,132,469 (26.6)
Model ¹	Odds Ratio (95% CI)	P-Value ²
Model 1		
ACA	0.958 (0.955, 0.961)	< 0.0001
Model 2		
ACA	0.996 (0.993, 0.999)	0.0091
Age	1.975 (1.971, 1.980)	< 0.0001
Model 3		
ACA	0.960 (0.958, 0.963)	< 0.0001
Sex	0.831 (0.829, 0.833)	< 0.0001
Model 4		
ACA	1.003 (1.000, 1.006)	0.0545
Payer	0.820 (0.819, 0.821)	< 0.0001
Model 5		
ACA	0.962 (0.959, 0.965)	< 0.0001
Region	0.685 (0.680, 0.690)	< 0.0001
Model 6		
ACA	1.034 (1.031, 1.037)	< 0.0001
Age	1.895 (1.890, 1.899)	< 0.0001
Sex	0.827 (0.824, 0.829)	< 0.0001
Payer	0.876 (0.875, 0.877)	< 0.0001
Region	0.671 (0.665, 0.676)	< 0.0001

Model 1: Treat-and-Release ED Visits = ACA; Model 2: Treat-and-Release ED Visits = ACA Age;

Table 28 Analysis of Proportion of Psychiatric-Related Emergency Department Disposition of Treat-and-Release, 2016 vs 2009

Psychiatric-Related ED Visits	Post-ACA (2016)	Pre-ACA (2009)		
Disposition of Treat-and-Release	N = 5,986,274	N = 4,253,110		
_	n (%)	n (%)		
Treat-and-Release ED Visits				
Yes	4,725,090 (78.9)	3,120,641 (73.4)		
No	1,261,184 (21.1)	1,132,469 (26.6)		
Model ¹	Odds Ratio (95% CI)	P-Value ²		
Model 1				
ACA	1.360 (1.356, 1.364)	< 0.0001		
Model 2				
ACA	1.456 (1.452, 1.460)	< 0.0001		
Age	2.207 (2.202, 2.212)	< 0.0001		
Model 3				
ACA	1.365 (1.361, 1.369)	< 0.0001		
Sex	0.795 (0.793, 0.797)	< 0.0001		
Model 4				
ACA	1.470 (1.466, 1.475)	< 0.0001		
Payer	0.730 (0.729, 0.731)	< 0.0001		
Model 5				
ACA	1.355 (1.351, 1.359)	< 0.0001		
Region	0.678 (0.673, 0.683)	< 0.0001		
Model 6				
ACA	1.541 (1.536, 1.545)	< 0.0001		
Age	2.046 (2.041, 2.051)	< 0.0001		
Sex	0.778 (0.776, 0.781)	< 0.0001		
Payer	0.785 (0.783, 0.786)	< 0.0001		
Region	0.655 (0.651, 0.660)	< 0.0001		

¹Model 1: Treat-and-Release ED Visits = ACA; Model 2: Treat-and-Release ED Visits = ACA Age;

Model 3: Treat-and-Release ED Visits = ACA Sex; Model 4: Treat-and-Release ED Visits = ACA Payer;
Model 5: Treat-and-Release ED Visits = ACA Region; Model 6: Treat-and-Release ED Visits = ACA Age Sex Payer Region

² P-value using χ2 test

Model 3: Treat-and-Release ED Visits = ACA Sex; Model 4: Treat-and-Release ED Visits = ACA Payer;

Model 5: Treat-and-Release ED Visits = ACA Region; Model 6: Treat-and-Release ED Visits = ACA Age Sex Payer Region

 $^{^2}$ P-value using $\chi 2$ test

Table 29 Summary of Psychiatric Diagnosis

	Pre-ACA	Post-ACA		
	2009	2011	2012	2013
Psychiatric Diagnosis	N=5,625,083	N=6,289,383	N=7,205,783	N=7,329,616
	n (%)	n (%)	n (%)	n (%)
Dementia/Delusional/Transient/Persistent	46,134 (0.8)	46,828 (0.7)	50,797 (0.7)	51,286 (0.7)
Drug and Alcohol Dependence	3,300,614	3,673,871	4,138,853	4,187,794
	(58.7)	(58.4)	(57.4)	(57.1)
Schizophrenic and Other Psychoses	240,212 (4.3)	253,665 (4.0)	290,191 (4.0)	293,221 (4.0)
	929,717 (16.5)	1,018,793	1,247,230	1,274,297
Depressive and Episodic Mood		(16.2)	(17.3)	(17.4)
Anxiety, dissociative and somatoform	763,539 (13.6)	907,779 (14.4)	1,041,649	1,079,079
			(14.5)	(14.7)
Acute and Adjustment Reaction to Stress	101,583 (1.8)	122,254 (1.9)	139,164 (1.9)	143,488 (2.0)
Other	243,284 (4.3)	266,193 (4.2)	297,899 (4.1)	300,451 (4.1)

Note: Each diagnosis category represents all psychiatric-related ED visits, Treated/Released, Admitted/Transferred and Other. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for psychiatric-related visits, N.

Table 29 (Continued) Summary of Psychiatric Diagnosis

Summary of a Systematric 2 mg nosis				
	Pre-ACA	Post-ACA		
	2009	2014	2015	2016
Psychiatric Diagnosis	N=5,625,083	N= 8,197,762	N=8,313,408	N= 8,835,667
	n (%)	n (%)	n (%)	n (%)
Dementia/Delusional/Transient/Persistent	46,134 (0.8)	60,002 (0.7)	59,351 (0.7)	62,013 (0.7)
Drug and Alcohol Dependence	3,300,614	4,682,324	4,863,755	5,322,806
	(58.7)	(57.1)	(58.5)	(60.2)
Schizophrenic and Other Psychoses	240,212 (4.3)	342,126 (4.2)	309,408 (3.7)	313,438 (3.5)
	929,717 (16.5)	1,397,360	1,355,229	1,354,876
Depressive and Episodic Mood		(17.0)	(16.3)	(15.3)
Anxiety, dissociative and somatoform	763,539 (13.6)	1,215,822	1,239,372	1,322,450
		(14.8)	(14.9)	(15.0)
Acute and Adjustment Reaction to Stress	101,583 (1.8)	164,162 (2.0)	166,743 (2.0)	184,628 (2.1)
Other	243,284 (4.3)	335,966 (4.1)	319,550 (3.8)	275,456 (3.1)

Note: Each diagnosis category represents all psychiatric-related ED visits, Treated/Released, Admitted/Transferred and Other. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for psychiatric-related visits. N

Table 30 Summary of Psychiatric Diagnosis by Emergency Department Visit Disposition: Treated/Released

	Pre-ACA		Post-ACA	
Psychiatric Diagnosis for	2009	2011	2012	2013
Psychiatric-Related ED Visits	N=5,625,083	N=6,289,383	N=7,205,783	N=7,329,616
	n (%)	n (%)	n (%)	n (%)
Treated/Released	3,779,138	4,402,230	5,115,447	5,248,833
	(67.2)	(70.0)	(71.0)	(71.6)
Dementia/Delusional/Transient/Persistent	16,680 (0.3)	18,820 (0.3)	21,548 (0.3)	22,162 (0.3)
Drug and Alcohol Dependence	2,349,758	2,712,319	3,092,459	3,161,741
	(41.8)	(43.1)	(42.9)	(43.1)
Schizophrenic and Other Psychoses	127,707 (2.3)	143,347 (2.3)	171,496 (2.4)	175,353 (2.4)
Depressive and Episodic Mood	548,946 (9.8)	630,444 (10.0)	791,672 (11.0)	815,228 (11.1)
Anxiety, dissociative and somatoform	536,656 (9.5)	653,982 (10.4)	756,593 (10.5)	785,344 (10.7)
Acute and Adjustment Reaction to Stress	59,025 (1.0)	76,600 (1.2)	89,836 (1.2)	93,805 (1.3)
Other	140,366 (2.5)	166,718 (2.6)	191,843 (2.7)	195,200 (2.7)

Note: Each diagnosis category represents all psychiatric-related ED visits for the Treated/Released visits. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for psychiatric-related visits, N.

Table 30 (Continued)
Summary of Psychiatric Diagnosis by Emergency Department Visit Disposition:
Treated/Released

	Pre-ACA	Pre-ACA Post-AC		CA	
Psychiatric Diagnosis for	2009	2014	2015	2016	
Psychiatric-Related ED Visits	N=5,625,083	N=8,197,762	N=8,313,408	N=8,835,667	
	n (%)	n (%)	n (%)	n (%)	
Treated/Released	3,779,138	5,845,570	5,566,915	6,361,258	
	(67.2)	(71.3)	(67.0)	(72.0)	
Dementia/Delusional/Transient/Persistent	16,680 (0.3)	25,304 (0.3)	24,458 (0.3)	29,627 (0.3)	
Drug and Alcohol Dependence	2,349,758	3,543,056	3,431,770	4,041,312	
	(41.8)	(43.2)	(41.3)	(45.7)	
Schizophrenic and Other Psychoses	127,707 (2.3)	200,217 (2.4)	180,326 (2.2)	196,329 (2.2)	
Depressive and Episodic Mood	548,946 (9.8)	878,067 (10.7)	806,453 (9.7)	859,288 (9.7)	
Anxiety, dissociative and somatoform	536,656 (9.5)	876,447 (10.7)	828,418 (10.0)	947,087 (10.7)	
Acute and Adjustment Reaction to Stress	59,025 (1.0)	105,689 (1.3)	101,845 (1.2)	117,057 (1.3)	
Other	140,366 (2.5)	216,790 (2.6)	193,645 (2.3)	170,558 (1.9)	

Note: Each diagnosis category represents all psychiatric-related ED visits for the Treated/Released visits. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for psychiatric-related visits, N.

Table 30.1 Summary of Psychiatric Diagnosis by Emergency Department Visit Disposition: Admitted/Transferred

	Pre-ACA		Post-ACA	
Psychiatric Diagnosis for	2009	2011	2012	2013
Psychiatric-Related ED Visits	N=5,625,083	N=6,289,383	N=7,205,783	N=7,329,616
	n (%)	n (%)	n (%)	n (%)
Admitted/Transferred	1,830,779	1,869,278	2,076,738	2,065,590
	(32.5)	(29.7)	(28.8)	(28.2)
Dementia/Delusional/Transient/Persistent	29,229 (0.5)	27,830 (0.4)	29,124 (0.4)	28,953 (0.4)
Drug and Alcohol Dependence	944,080 (16.8)	952,435 (15.1)	1,039,393	1,018,377
			(14.4)	(13.9)
Schizophrenic and Other Psychoses	110,865 (2.0)	109,398 (1.7)	117,961 (1.6)	116,928 (1.6)
Depressive and Episodic Mood	377,459 (6.7)	384,601 (6.1)	452,645 (6.3)	455,794 (6.2)
Anxiety, dissociative and somatoform	224,655 (4.0)	251,035 (4.0)	282,975 (3.9)	291,589 (4.0)
Acute and Adjustment Reaction to Stress	42,280 (0.7)	45,373 (0.7)	49,126 (0.7)	49,380 (0.7)
Other	102,211 (1.8)	98,606 (1.6)	105,514 (1.5)	104,569 (1.4)

Note: Each diagnosis category represents all psychiatric-related ED visits for the Admitted/Transferred visits. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for psychiatric-related visits, N.

Table 30.1 (Continued)
Summary of Psychiatric Diagnosis by Emergency Department Visit Disposition:
Admitted/Transferred

	Pre-ACA	Post-ACA		
Psychiatric Diagnosis for	2009	2014	2015	2016
Psychiatric-Related ED Visits	N=5,625,083	N=8,197,762	N=8,313,408	N=8,835,667
	n (%)	n (%)	n (%)	n (%)
Admitted/Transferred	1,830,779	2,334,585	2,227,188	2,455,808
	(32.5)	(28.5)	(26.8)	(27.8)
Dementia/Delusional/Transient/Persistent	29,229 (0.5)	34,491 (0.4)	32,213 (0.4)	32,217 (0.4)
Drug and Alcohol Dependence	944,080 (16.8)	1,129,769	1,109,603	1,270,905
		(13.8)	(13.3)	(14.4)
Schizophrenic and Other Psychoses	110,865 (2.0)	140,278 (1.7)	111,439 (1.3)	116,351 (1.3)
Depressive and Episodic Mood	377,459 (6.7)	515,928 (6.3)	472,523 (5.7)	492,389 (5.6)
Anxiety, dissociative and somatoform	224,655 (4.0)	337,582 (4.1)	337,834 (4.1)	372,471 (4.2)
Acute and Adjustment Reaction to Stress	42,280 (0.7)	58,128 (0.7)	55,717 (0.7)	67,223 (0.8)
Other	102,211 (1.8)	118,409 (1.4)	107,859 (1.3)	104,252 (1.2)

Note: Each diagnosis category represents all psychiatric-related ED visits for the Admitted/Transferred visits. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for psychiatric-related visits, N.

Table 30.2 Summary of Psychiatric Diagnosis by Emergency Department Visit Disposition: Other

	Pre-ACA	Post-ACA		
Psychiatric Diagnosis for	2009	2011	2012	2013
Psychiatric-Related ED Visits	N=5,625,083	N=6,289,383	N=7,205,783	N=7,329,616
	n (%)	n (%)	n (%)	n (%)
Other	15,166 (0.3)	17,875 (0.3)	13,598 (0.2)	15,193 (0.2)
Dementia/Delusional/Transient/Persistent	225 (<0.01)	178 (<0.01)	125 (<0.01)	171 (<0.01)
Drug and Alcohol Dependence	6,776 (0.1)	9,117 (0.1)	7,001 (0.1)	7,676 (0.1)
Schizophrenic and Other Psychoses	1,640 (0.03)	920 (0.01)	734 (0.01)	940 (0.01)
Depressive and Episodic Mood	3,312 (0.06)	3,748 (0.1)	2,913 (0.04)	3,275 (0.04)
Anxiety, dissociative and somatoform	2,228 (0.04)	2,762 (0.04)	2,081 (0.03)	2,146 (0.03)
Acute and Adjustment Reaction to Stress	278 (<0.01)	281 (<0.01)	202 (<0.01)	303 (<0.01)
Other	707 (0.01)	869 (0.01)	542 (0.01)	682 (0.01)

Note: Each diagnosis category represents all psychiatric-related ED visits for the Other visits. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for psychiatric-related visits, N.

Table 30.2 (Continued)
Summary of Psychiatric Diagnosis by Emergency Department Visit Disposition: Other

, , , , , , , , , , , , , , , , , , ,	Pre-ACA		Post-ACA		
Psychiatric Diagnosis for	2009	2014	2015	2016	
Psychiatric-Related ED Visits	N=5,625,083	N=8,197,762	N=8,313,408	N=8,835,667	
	n (%)	n (%)	n (%)	n (%)	
Other	15,166 (0.3)	17,607 (0.2)	519,305 (6.2)	18,601 (0.2)	
Dementia/Delusional/Transient/Persistent	225 (<0.01)	207 (<0.01)	2,680 (0.03)	169 (<0.01)	
Drug and Alcohol Dependence	6,776 (0.1)	9,499 (0.1)	322,382 (3.9)	10,589 (0.1)	
Schizophrenic and Other Psychoses	1,640 (0.03)	1,631 (0.02)	17,643 (0.2)	758 (0.01)	
Depressive and Episodic Mood	3,312 (0.06)	3,365 (0.04)	76,253 (0.9)	3,199 (0.04)	
Anxiety, dissociative and somatoform	2,228 (0.04)	1,793 (0.02)	73,120 (0.9)	2,892 (0.03)	
Acute and Adjustment Reaction to Stress	278 (<0.01)	345 (<0.01)	9,181 (0.1)	348 (<0.01)	
Other	707 (0.01)	767 (0.01)	18,046 (0.2)	646 (0.01)	

Note: Each diagnosis category represents all psychiatric-related ED visits for the Other visits. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for psychiatric-related visits, N.

Table 31 Summary of Psychiatric Diagnosis of Psychiatric-Related ED Visits with Treat-and-Release Disposition

	Pre-ACA	Post-ACA		
Psychiatric Diagnosis for	2009	2011 N. 4.402.220	2012	2013 N. 5.249.922
ED Visits with Treat-and-Release Disposition	N=3,779,138	N=4,402,230	N=5,115,447	N=5,248,833
	n (%)	n (%)	n (%)	n (%)
Dementia/Delusional/Transient/Persistent	16,680 (0.4)	18,820 (0.4)	21,548 (0.4)	22,162 (0.4)
Drug and Alcohol Dependence	2,349,758	2,712,319	3,092,459	3,161,741
	(62.2)	(61.6)	(60.4)	(60.2)
Schizophrenic and Other Psychoses	127,707 (3.4)	143,347 (3.3)	171,496 (3.3)	175,353 (3.3)
Depressive and Episodic Mood	548,946 (14.5)	630,444 (14.3)	791,672 (15.5)	815,228 (15.5)
Anxiety, dissociative and somatoform	536,656 (14.2)	653,982 (14.9)	756,593 (14.8)	785,344 (15.0)
Acute and Adjustment Reaction to Stress	59,025 (1.6)	76,600 (1.7)	89,836 (1.8)	93,805 (1.8)
Other	140,366 (3.7)	166,718 (3.8)	191,843 (3.7)	195,200 (3.7)

Note: Percentages are based on total diagnoses for the Treat-and-Release ED visits, N.

Table 31 (Continued)
Summary of Psychiatric Diagnosis of Psychiatric-Related ED Visits with Treat-and-Release
Disposition

	Pre-ACA	Post-ACA		
Psychiatric Diagnosis for	2009	2014	2015	2016
ED Visits with Treat-and-Release Disposition	N=3,779,138	N=5,845,570	N=5,566,915	N=6,361,258
	n (%)	n (%)	n (%)	n (%)
Dementia/Delusional/Transient/Persistent	16,680 (0.4)	25,304 (0.4)	24,458 (0.4)	29,627 (0.5)
Drug and Alcohol Dependence	2,349,758	3,543,056	3,431,770	4,041,312
	(62.2)	(60.6)	(61.7)	(63.5)
Schizophrenic and Other Psychoses	127,707 (3.4)	200,217 (3.4)	180,326 (3.2)	196,329 (3.1)
Depressive and Episodic Mood	548,946 (14.5)	878,067 (15.0)	806,453 (14.5)	859,288 (13.5)
Anxiety, dissociative and somatoform	536,656 (14.2)	876,447 (15.0)	828,418 (14.9)	947,087 (14.9)
Acute and Adjustment Reaction to Stress	59,025 (1.6)	105,689 (1.8)	101,845 (1.8)	117,057 (1.8)
Other	140,366 (3.7)	216,790 (3.7)	193,645 (3.5)	170,558 (2.7)

Note: Percentages are based on total diagnoses for the Treat-and-Release ED visits, N.

Table 32 Summary of Psychiatric Diagnosis of Psychiatric-Related ED Visits with Treat-and-Release Disposition by Age

Disposition by Age					
	Pre-ACA		Post-ACA		
Psychiatric Diagnosis for	2009	2011	2012	2013	
ED Visits with Treat-and-Release Disposition	N=3,779,138	N=4,402,230	N=5,115,447	N=5,248,833	
	n (%)	n (%)	n (%)	n (%)	
18≤ age ≤25	765,907 (20.3)	868,254 (19.7)	976,610 (19.1)	960,705 (18.3)	
Dementia/Delusional/Transient/Persistent	1,658 (0.04)	1,845 (0.04)	2,137 (0.04)	2,215 (0.04)	
Drug and Alcohol Dependence	499,687 (13.2)	558,429 (12.7)	614,476 (12.0)	601,638 (11.5)	
Schizophrenic and Other Psychoses	17,534 (0.5)	20,239 (0.5)	24,749 (0.5)	24,508 (0.5)	
Depressive and Episodic Mood	93,085 (2.5)	104,369 (2.4)	125,375 (2.4)	123,033 (2.3)	
Anxiety, dissociative and somatoform	96,777 (2.6)	112,386 (2.5)	127,664 (2.5)	125,974 (2.4)	
Acute and Adjustment Reaction to Stress	12,831 (0.3)	16,049 (0.4)	18,255 (0.4)	18,555 (0.3)	
Other	44,335 (1.2)	54,937 (1.2)	63,954 (1.2)	64,782 (1.2)	
26≤ age ≤49	2,220,954	2,528,582	2,914,474	2,981,107	
	(58.8)	(57.4)	(57.0)	(56.8)	
Dementia/Delusional/Transient/Persistent	6,060 (0.2)	6,419 (0.1)	7,381 (0.1)	7,666 (0.1)	
Drug and Alcohol Dependence	1,395,014	1,577,290	1,784,441	1,818,358	
	(36.9)	(35.8)	(34.9)	(34.6)	
Schizophrenic and Other Psychoses	73,162 (1.9)	78,912 (1.8)	93,729 (1.8)	96,105 (1.8)	
Depressive and Episodic Mood	324,508 (8.6)	358,186 (8.1)	445,475 (8.7)	455,742 (8.7)	
Anxiety, dissociative and somatoform	316,475 (8.4)	381,079 (8.7)	437,441 (8.5)	452,681 (8.6)	
Acute and Adjustment Reaction to Stress	34,172 (0.9)	44,116 (1.0)	51,884 (1.0)	54,572 (1.0)	
Other	71,563 (1.9)	82,580 (1.9)	94,123 (1.8)	95,983 (1.8)	
50≤ age ≤64	792,277 (21.0)	1,005,394	1,224,363	1,307,021	
		(22.8)	(23.9)	(24.9)	
Dementia/Delusional/Transient/Persistent	8,962 (0.2)	10,556 (0.2)	12,030 (0.2)	12,281 (0.2)	
Drug and Alcohol Dependence	455,057 (12.0)	576,600 (13.1)	693,542 (13.6)	741,745 (14.1)	
Schizophrenic and Other Psychoses	37,011 (1.0)	44,196 (1.0)	53,018 (1.0)	54,740 (1.0)	
Depressive and Episodic Mood	131,353 (3.5)	167,889 (3.8)	220,822 (4.3)	236,453 (4.5)	
Anxiety, dissociative and somatoform	123,404 (3.3)	160,517 (3.6)	191,488 (3.7)	206,689 (3.9)	
Acute and Adjustment Reaction to Stress	12,022 (0.3)	16,435 (0.4)	19,697 (0.4)	20,678 (0.4)	
Other	24,468 (0.6)	29,201 (0.7)	33,766 (0.7)	34,435 (0.7)	

Note: Each diagnosis category represents all psychiatric-related ED visits with Treat-and-Release disposition for each age category. ED Visits may have more than one psychiatric diagnosis. Percentages are based total diagnoses for Treat-and-Release visits, N.

Table 32 (Continued) Summary of Psychiatric Diagnosis of Psychiatric-Related ED Visits with Treat-and-Release Disposition by Age

	Pre-ACA		Post-ACA	
Psychiatric Diagnosis for	2009	2014	2015	2016
ED Visits with Treat-and-Release Disposition	N=3,779,138	N=5,845,570	N=5,566,915	N=6,361,258
	n (%)	n (%)	n (%)	n (%)
18≤ age ≤25	765,907 (20.3)	1,044,234	964,829 (17.3)	1,067,243
		(17.9)		(16.8)
Dementia/Delusional/Transient/Persistent	1,658 (0.04)	2,470 (0.04)	2,491 (0.04)	2,987 (0.05)
Drug and Alcohol Dependence	499,687 (13.2)	647,380 (11.1)	603,182 (10.8)	682,021 (10.7)
Schizophrenic and Other Psychoses	17,534 (0.5)	27,891 (0.5)	24,733 (0.4)	26,123 (0.4)
Depressive and Episodic Mood	93,085 (2.5)	133,276 (2.3)	120,988 (2.2)	127,978 (2.0)
Anxiety, dissociative and somatoform	96,777 (2.6)	142,033 (2.4)	132,197 (2.4)	148,752 (2.3)
Acute and Adjustment Reaction to Stress	12,831 (0.3)	19,761 (0.3)	18,148 (0.3)	21,280 (0.3)
Other	44,335 (1.2)	71,423 (1.2)	63,090 (1.1)	58,102 (0.9)
26≤ age ≤49	2,220,954	3,301,552	3,139,916	3,614,700
	(58.8)	(56.5)	(56.4)	(56.8)
Dementia/Delusional/Transient/Persistent	6,060 (0.2)	8,767 (0.1)	9,010 (0.2)	10,985 (0.2)
Drug and Alcohol Dependence	1,395,014	2,032,257	1,970,248	2,342,948
	(36.9)	(34.8)	(35.4)	(36.8)
Schizophrenic and Other Psychoses	73,162 (1.9)	109,394 (1.9)	99,092 (1.8)	111,204 (1.7)
Depressive and Episodic Mood	324,508 (8.6)	482,936 (8.3)	437,681 (7.9)	462,448 (7.3)
Anxiety, dissociative and somatoform	316,475 (8.4)	499,319 (8.5)	467,566 (8.4)	535,033 (8.4)
Acute and Adjustment Reaction to Stress	34,172 (0.9)	62,216 (1.1)	60,377 (1.1)	69,181 (1.1)
Other	71,563 (1.9)	106,663 (1.8)	95,942 (1.7)	82,901 (1.3)
50≤ age ≤64	792,277 (21.0)	1,499,784	1,462,170	1,679,315
		(25.7)	(26.3)	(26.4)
Dementia/Delusional/Transient/Persistent	8,962 (0.2)	14,067 (0.2)	12,957 (0.2)	15,655 (0.2)
Drug and Alcohol Dependence	455,057 (12.0)	863,419 (14.8)	858,340 (15.4)	1,016,343
				(16.0)
Schizophrenic and Other Psychoses	37,011 (1.0)	62,932 (1.1)	56,501 (1.0)	59,002 (0.9)
Depressive and Episodic Mood	131,353 (3.5)	261,855 (4.5)	247,784 (4.4)	268,862 (4.2)
Anxiety, dissociative and somatoform	123,404 (3.3)	235,095 (4.0)	228,655 (4.1)	263,302 (4.1)
Acute and Adjustment Reaction to Stress	12,022 (0.3)	23,712 (0.4)	23,320 (0.4)	26,596 (0.4)
Other	24,468 (0.6)	38,704 (0.7)	34,613 (0.6)	29,555 (0.5)

Note: Each diagnosis category represents all psychiatric-related ED visits with Treat-and-Release disposition for each age category. ED Visits may have more than one psychiatric diagnosis. Percentages are based total diagnoses for Treat-and-Release visits, N.

Table 33
Summary of Psychiatric Diagnosis of Psychiatric-Related ED Visits with Treat-and-Release Disposition by Sex

	Pre-ACA		Post-ACA	
Psychiatric Diagnosis for	2009	2011	2012	2013
ED Visits with Treat-and-Release Disposition	N=3,776,405	N=4,400,917	N=5,115,222	N=5,248,636
	n (%)	n (%)	n (%)	n (%)
Male	1,758,370	2,044,619	2,374,026	2,452,647
	(46.6)	(46.5)	(46.4)	(46.7)
Dementia/Delusional/Transient/Persistent	8,832 (0.2)	9,765 (0.2)	11,408 (0.2)	11,767 (0.2)
Drug and Alcohol Dependence	1,201,755	1,389,529	1,593,601	1,641,073
	(31.8)	(31.6)	(31.1)	(31.3)
Schizophrenic and Other Psychoses	75,197 (2.0)	84,991 (1.9)	101,499 (2.0)	105,382 (2.0)
Depressive and Episodic Mood	200,713 (5.3)	228,231 (5.2)	284,908 (5.6)	295,035 (5.6)
Anxiety, dissociative and somatoform	181,252 (4.8)	220,974 (5.0)	254,139 (5.0)	266,302 (5.1)
Acute and Adjustment Reaction to Stress	23,036 (0.6)	30,358 (0.7)	35,471 (0.7)	37,223 (0.7)
Other	67,585 (1.8)	80,771 (1.8)	93,000 (1.8)	95,865 (1.8)
Female	2,018,035	2,356,298	2,741,196	2,795,989
	(53.4)	(53.5)	(53.6)	(53.3)
Dementia/Delusional/Transient/Persistent	7,837 (0.2)	9,053 (0.2)	10,137 (0.2)	10,395 (0.2)
Drug and Alcohol Dependence	1,146,710	1,321,810	1,498,730	1,520,542
	(30.4)	(30.0)	(29.3)	(29.0)
Schizophrenic and Other Psychoses	52,435 (1.4)	58,323 (1.3)	69,986 (1.4)	69,963 (1.3)
Depressive and Episodic Mood	347,571 (9.2)	402,089 (9.1)	506,735 (9.9)	520,170 (9.9)
Anxiety, dissociative and somatoform	354,914 (9.4)	432,876 (9.8)	502,419 (9.8)	519,029 (9.9)
Acute and Adjustment Reaction to Stress	35,957 (0.9)	46,230 (1.0)	54,363 (1.1)	56,574 (1.1)
Other	72,611 (1.9)	85,917 (1.9)	98,826 (1.9)	99,316 (1.9)

Note: Each diagnosis category represents all psychiatric-related ED visits with Treat-and-Release disposition for each sex category. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for Treat-and-Release visits, N. The number of ED psychiatric diagnosis with missing sex information were 2,733 in 2009, 1,313 in 2011, 225 in 2012, 197 in 2013, 189 in 2014, 803 in 2015, and 908 in 2016.

Table 33 (Continued)
Summary of Psychiatric Diagnosis of Psychiatric-Related ED Visits with Treat-and-Release
Disposition by Sex

	Disposition by	DUIL		
	Pre-ACA		Post-ACA	
Psychiatric Diagnosis for	2009	2014	2015	2016
ED Visits with Treat-and-Release Disposition	N=3,776,405	N=5,845,381	N=5,566,112	N=6,360,350
	n (%)	n (%)	n (%)	n (%)
Male	1,758,370	2,758,977	2,662,431	3,065,654
	(46.6)	(47.2)	(47.8)	(48.2)
Dementia/Delusional/Transient/Persistent	8,832 (0.2)	13,604 (0.2)	13,028 (0.2)	15,532 (0.2)
Drug and Alcohol Dependence	1,201,755	1,854,899	1,822,675	2,162,087
	(31.8)	(31.7)	(32.7)	(34.0)
Schizophrenic and Other Psychoses	75,197 (2.0)	121,795 (2.1)	109,277 (2.0)	119,816 (1.9)
Depressive and Episodic Mood	200,713 (5.3)	321,236 (5.5)	295,337 (5.3)	313,755 (4.9)
Anxiety, dissociative and somatoform	181,252 (4.8)	298,312 (5.1)	284,740 (5.1)	321,140 (5.0)
Acute and Adjustment Reaction to Stress	23,036 (0.6)	42,226 (0.7)	40,520 (0.7)	46,537 (0.7)
Other	67,585 (1.8)	106,905 (1.8)	96,854 (1.7)	86,787 (1.4)
Female	2,018,035	3,086,404	2,903,681	3,294,696
	(53.4)	(52.8)	(52.2)	(51.8)
Dementia/Delusional/Transient/Persistent	7,837 (0.2)	11,698 (0.2)	11,429 (0.2)	14,092 (0.2)
Drug and Alcohol Dependence	1,146,710	1,688,053	1,608,553	1,878,858
	(30.4)	(28.9)	(28.9)	(29.5)
Schizophrenic and Other Psychoses	52,435 (1.4)	78,412 (1.3)	71,034 (1.3)	76,496 (1.2)
Depressive and Episodic Mood	347,571 (9.2)	556,808 (9.5)	511,025 (9.2)	545,307 (8.6)
Anxiety, dissociative and somatoform	354,914 (9.4)	578,110 (9.9)	543,593 (9.8)	625,710 (9.8)
Acute and Adjustment Reaction to Stress	35,957 (0.9)	63,457 (1.1)	61,309 (1.1)	70,496 (1.1)
Other	72,611 (1.9)	109,866 (1.9)	96,738 (1.7)	83,737 (1.3)

Note: Each diagnosis category represents all psychiatric-related ED visits with Treat-and-Release disposition for each sex category. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for Treat-and-Release visits, N. The number of ED psychiatric diagnosis with missing sex information were 2,733 in 2009, 1,313 in 2011, 225 in 2012, 197 in 2013, 189 in 2014, 803 in 2015, and 908 in 2016.

Table 34 Summary of Psychiatric Diagnosis of Psychiatric-Related ED Visits with Treat-and-Release Disposition by Payer

L	Disposition by F	ayei		
	Pre-ACA		Post-ACA	T
Psychiatric Diagnosis for	2009	2011	2012	2013
ED Visits with Treat-and-Release Disposition	N=3,759,300	N=4,382,064	N=5,107,171	N=5,238,086
	n (%)	n (%)	n (%)	n (%)
Medicare	465,408 (12.4)	585,468 (13.4)	717,651 (14.0)	743,614 (14.2)
Dementia/Delusional/Transient/Persistent	5,501 (0.1)	6,534 (0.1)	7,584 (0.1)	7,688 (0.1)
Drug and Alcohol Dependence	214,393 (5.7)	271,413 (6.2)	329,500 (6.4)	335,700 (6.4)
Schizophrenic and Other Psychoses	40,924 (1.1)	47,963 (1.1)	56,055 (1.1)	56,535 (1.1)
Depressive and Episodic Mood	99,955 (2.7)	123,010 (2.8)	160,341 (3.1)	168,769 (3.2)
Anxiety, dissociative and somatoform	67,662 (1.8)	90,888 (2.1)	110,528 (2.2)	120,591 (2.3)
Acute and Adjustment Reaction to Stress	7,482 (0.2)	11,332 (0.3)	14,100 (0.3)	14,590 (0.3)
Other	29,491 (0.8)	34,328 (0.8)	39,543 (0.8)	39,741 (0.8)
Medicaid	978,679 (26.0)	1,264,268	1,472,047	1,493,767
		(28.8)	(28.8)	(28.5)
Dementia/Delusional/Transient/Persistent	4,159 (0.1)	4,708 (0.1)	5,524 (0.1)	5,644 (0.1)
Drug and Alcohol Dependence	583,770 (15.5)	759,557 (17.3)	862,370 (16.9)	868,925 (16.6)
Schizophrenic and Other Psychoses	42,266 (1.1)	51,486 (1.2)	61,476 (1.2)	62,339 (1.2)
Depressive and Episodic Mood	157,195 (4.2)	193,351 (4.4)	244,912 (4.8)	251,003 (4.8)
Anxiety, dissociative and somatoform	136,444 (3.6)	181,049 (4.1)	212,014 (4.1)	218,147 (4.2)
Acute and Adjustment Reaction to Stress	14,546 (0.4)	21,810 (0.5)	25,690 (0.5)	27,408 (0.5)
Other	40,299 (1.1)	52,307 (1.2)	60,061 (1.2)	60,301 (1.1)
Private	969,559 (25.8)	1,040,495	1,149,792	1,166,154
		(23.7)	(22.5)	(22.3)
Dementia/Delusional/Transient/Persistent	3,681 (0.1)	3,855 (0.1)	4,011 (0.1)	4,228 (0.1)
Drug and Alcohol Dependence	559,625 (14.9)	589,633 (13.5)	637,636 (12.5)	643,614 (12.3)
Schizophrenic and Other Psychoses	15,856 (0.4)	15,296 (0.3)	16,580 (0.3)	18,600 (0.4)
Depressive and Episodic Mood	149,123 (4.0)	159,303 (3.6)	189,001 (3.7)	192,213 (3.7)
Anxiety, dissociative and somatoform	183,515 (4.9)	207,086 (4.7)	229,484 (4.5)	233,284 (4.4)
Acute and Adjustment Reaction to Stress	18,437 (0.5)	20,546 (0.5)	23,029 (0.4)	23,355 (0.4)
Other	39,322 (1.0)	44,776 (1.0)	50,051 (1.0)	50,860 (1.0)
Uninsured	1,345,654	1,491,833	1,767,681	1,834,551
	(35.8)	(34.0)	(34.6)	(35.0)
Dementia/Delusional/Transient/Persistent	3,240 (0.1)	3,677 (0.1)	4,395 (0.1)	4,555 (0.1)
Drug and Alcohol Dependence	980,540 (26.1)	1,077,961	1,257,507	1,306,439
<u>-</u>		(24.6)	(24.6)	(24.9)
Schizophrenic and Other Psychoses	28,201 (0.7)	28,234 (0.6)	37,211 (0.7)	37,633 (0.7)
Depressive and Episodic Mood	139,189 (3.7)	152,317 (3.5)	196,377 (3.8)	201,704 (3.8)
Anxiety, dissociative and somatoform	145,822 (3.9)	172,362 (3.9)	203,440 (4.0)	211,839 (4.0)
Acute and Adjustment Reaction to Stress	18,166 (0.5)	22,576 (0.5)	26,834 (0.5)	28,309 (0.5)
Other	30,496 (0.8)	34,706 (0.8)	41,917 (0.8)	44,072 (0.8)

Other 30,496 (0.8) 34,706 (0.8) 41,917 (0.8) 44,072 (0.8) Note: Each diagnosis category represents all psychiatric-related ED visits with Treat-and-Release disposition for each payer category. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for Treat-and-Release visits, N. The number of ED psychiatric diagnosis with missing payer information were 19,838 in 2009, 20,166 in 2011, 8,276 in 2012, 10,747 in 2013, 11,067 in 2014, 5,926 in 2015, and 8,392 in 2016.

Table 34 (Continued) Summary of Psychiatric Diagnosis of Psychiatric-Related ED Visits with Treat-and-Release Disposition by Payer

	Pre-ACA		Post-ACA	
Psychiatric Diagnosis for	2009	2014	2015	2016
ED Visits with Treat-and-Release Disposition	N=3,759,300	N=5,834,503	N= 5,560,989	N=6,352,866
	n (%)	n (%)	n (%)	n (%)
Medicare	465,408 (12.4)	835,986 (14.3)	797,682	885,152 (13.9)
			(14.3)	
Dementia/Delusional/Transient/Persistent	5,501 (0.1)	8,836 (0.1)	8,217 (0.1)	9,590 (0.1)
Drug and Alcohol Dependence	214,393 (5.7)	388,081 (6.6)	378,548 (6.8)	437,114 (6.9)
Schizophrenic and Other Psychoses	40,924 (1.1)	62,039 (1.1)	55,397 (1.0)	60,871 (1.0)
Depressive and Episodic Mood	99,955 (2.7)	181,178 (3.1)	168,996 (3.0)	177,161 (2.8)
Anxiety, dissociative and somatoform	67,662 (1.8)	135,258 (2.3)	129,339 (2.3)	143,989 (2.3)
Acute and Adjustment Reaction to Stress	7,482 (0.2)	17,270 (0.3)	17,218 (0.3)	18,979 (0.3)
Other	29,491 (0.8)	43,324 (0.7)	39,967 (0.7)	37,448 (0.6)
Medicaid	978,679 (26.0)	2,055,663	2,156,079	2,412,289
		(35.2)	(38.8)	(38.0)
Dementia/Delusional/Transient/Persistent	4,159 (0.1)	7,514 (0.1)	7,773 (0.1)	9,629 (0.1)
Drug and Alcohol Dependence	583,770 (15.5)	1,236,440	1,337,460	1,541,362
		(21.2)	(24.0)	(24.3)
Schizophrenic and Other Psychoses	42,266 (1.1)	79,924 (1.4)	80.028 (1.4)	84,632 (1.3)
Depressive and Episodic Mood	157,195 (4.2)	322,697 (5.5)	316,631 (5.7)	331,740 (5.2)
Anxiety, dissociative and somatoform	136,444 (3.6)	296,047 (5.1)	301,169 (5.4)	337,258 (5.3)
Acute and Adjustment Reaction to Stress	14,546 (0.4)	35,924 (0.6)	39,427 (0.7)	44,439 (0.7)
Other	40,299 (1.1)	77,117 (1.3)	73,591 (1.3)	63,229 (1.0)
Private	969,559 (25.8)	1,354,023	1,340,866	1,556,916
		(23.2)	(24.1)	(24.5)
Dementia/Delusional/Transient/Persistent	3,681 (0.1)	4,621 (0.1)	4,702 (0.1)	5,770 (0.1)
Drug and Alcohol Dependence	559,625 (14.9)	758,021 (13.0)	773,186	920,046 (14.5)
			(13.9)	
Schizophrenic and Other Psychoses	15,856 (0.4)	23,213 (0.4)	19,365 (0.3)	22,395 (0.3)
Depressive and Episodic Mood	149,123 (4.0)	214,536 (3.7)	204,064 (3.7)	224,315 (3.5)
Anxiety, dissociative and somatoform	183,515 (4.9)	269,016 (4.6)	262,661 (4.7)	307,801 (4.8)
Acute and Adjustment Reaction to Stress	18,437 (0.5)	26,773 (0.5)	25,049 (0.4)	30,170 (0.5)
Other	39,322 (1.0)	57,843 (1.0)	51,839 (0.9)	46,419 (0.7)
Uninsured	1,345,654	1,588,831	1,266,362	1,498,509
	(35.8)	(27.2)	(22.8)	(23.6)
Dementia/Delusional/Transient/Persistent	3,240 (0.1)	4,308 (0.1)	3,742 (0.1)	4,609 (0.1)
Drug and Alcohol Dependence	980,540 (26.1)	1,152,748	938,816	1,136,592
	1	(19.8)	(16.9)	(17.9)
Schizophrenic and Other Psychoses	28,201 (0.7)	34,819 (0.6)	25,415 (0.5)	28,272 (0.4)
Depressive and Episodic Mood	139,189 (3.7)	158,437 (2.7)	115,959 (2.1)	125,299 (2.0)
Anxiety, dissociative and somatoform	145,822 (3.9)	174,789 (3.0)	134,349 (2.4)	157,090 (2.5)
Acute and Adjustment Reaction to Stress	18,166 (0.5)	25,515 (0.4)	20,028 (0.4)	23,327 (0.4)
Other	30,496 (0.8)	38,215 (0.6)	28,053 (0.5)	23,320 (0.4)

Note: Each diagnosis category represents all psychiatric-related ED visits with Treat-and-Release disposition for each payer category. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for Treat-and-Release visits, N. The number of ED psychiatric diagnosis with missing payer information were 19,838 in 2009, 20,166 in 2011, 8,276 in 2012, 10,747 in 2013, 11,067 in 2014, 5,926 in 2015, and 8,392 in 2016.

Table 35 Summary of Psychiatric Diagnosis of Psychiatric-Related ED Visits with Treat-and-Release Disposition by Hospital Region

	Pre-ACA Post-ACA			
Psychiatric Diagnosis for	2009	2011	2012	2013
ED Visits with Treat-and-Release Disposition	N=3,779,138	N=4,402,230	N=5,115,447	N=5,248,833
	n (%)	n (%)	n (%)	n (%)
Urban	3,578,675	4,193,111	4,884,032	4,983,027
	(94.7)	(95.2)	(95.5)	(94.9)
Dementia/Delusional/Transient/Persistent	15,597 (0.4)	17,714 (0.4)	20,446 (0.4)	20,962 (0.4)
Drug and Alcohol Dependence	2,229,545	2,585,954	2,955,603	3,002,317
	(59.0)	(58.7)	(57.8)	(57.2)
Schizophrenic and Other Psychoses	122,192 (3.2)	137,488 (3.1)	165,358 (3.2)	168,698 (3.2)
Depressive and Episodic Mood	521,963 (13.8)	604,202 (13.7)	759,107 (14.8)	776,953 (14.8)
Anxiety, dissociative and somatoform	501,795 (13.3)	616,837 (14.0)	713,859 (13.9)	738,677 (14.1)
Acute and Adjustment Reaction to Stress	55,078 (1.5)	72,816 (1.6)	85,901 (1.7)	89,443 (1.7)
Other	132,505 (3.5)	158,100 (3.6)	183,758 (3.6)	185,977 (3.5)
Rural	200,463 (5.3)	209,119 (4.8)	231,415 (4.5)	265,806 (5.1)
Dementia/Delusional/Transient/Persistent	1,083 (0.03)	1,106 (0.03)	1,102 (0.02)	1,200 (0.02)
Drug and Alcohol Dependence	120,213 (3.2)	126,365 (2.9)	136,856 (2.7)	159,424 (3.0)
Schizophrenic and Other Psychoses	5,515 (0.1)	5,859 (0.1)	6,138 (0.1)	6,655 (0.1)
Depressive and Episodic Mood	26,983 (0.7)	26,242 (0.6)	32,565 (0.6)	38,275 (0.7)
Anxiety, dissociative and somatoform	34,861 (0.9)	37,145 (0.8)	42,734 (0.8)	46,667 (0.9)
Acute and Adjustment Reaction to Stress	3,947 (0.1)	3,784 (0.1)	3,935 (0.1)	4,362 (0.1)
Other	7,861 (0.2)	8,618 (0.2)	8,085 (0.2)	9,223 (0.2)

Note: Each diagnosis category represents all psychiatric-related ED visits with Treat-and-Release disposition for each region category. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for Treat-and-Release visits, N.

Table 35 (Continued)
Summary of Psychiatric Diagnosis of Psychiatric-Related ED Visits with Treat-and-Release
Disposition by Hospital Region

•	Pre-ACA	Pre-ACA Post-ACA		
Psychiatric Diagnosis for	2009	2014	2015	2016
ED Visits with Treat-and-Release Disposition	N=3,779,138	N=5,845,570	N=5,566,915	N=6,361,258
	n (%)	n (%)	n (%)	n (%)
Urban	3,578,675	5,561,140	5,345,651	5,965,241
	(94.7)	(95.1)	(96.0)	(93.8)
Dementia/Delusional/Transient/Persistent	15,597 (0.4)	23,953 (0.4)	23,378 (0.4)	27,869 (0.4)
Drug and Alcohol Dependence	2,229,545	3,367,722	3,296,830	3,782,184
	(59.0)	(57.6)	(59.2)	(59.5)
Schizophrenic and Other Psychoses	122,192 (3.2)	192,643 (3.3)	175,220 (3.1)	187,630 (2.9)
Depressive and Episodic Mood	521,963 (13.8)	839,931 (14.4)	774,957 (13.9)	810,233 (12.7)
Anxiety, dissociative and somatoform	501,795 (13.3)	829,227 (14.2)	790,625 (14.2)	883,788 (13.9)
Acute and Adjustment Reaction to Stress	55,078 (1.5)	100,560 (1.7)	97,693 (1.7)	110,746 (1.7)
Other	132,505 (3.5)	207,104 (3.5)	186,948 (3.4)	162,791 (2.6)
Rural	200,463 (5.3)	284,430 (4.9)	221,264 (4.0)	396,017 (6.2)
Dementia/Delusional/Transient/Persistent	1,083 (0.03)	1,351 (0.02)	1,080 (0.02)	1,758 (0.03)
Drug and Alcohol Dependence	120,213 (3.2)	175,334 (3.0)	134,940 (2.4)	259,128 (4.1)
Schizophrenic and Other Psychoses	5,515 (0.1)	7,574 (0.1)	5,106 (0.1)	8,699 (0.1)
Depressive and Episodic Mood	26,983 (0.7)	38,136 (0.6)	31,496 (0.6)	49,055 (0.8)
Anxiety, dissociative and somatoform	34,861 (0.9)	47,220 (0.8)	37,793 (0.7)	63,299 (1.0)
Acute and Adjustment Reaction to Stress	3,947 (0.1)	5,129 (0.1)	4,152 (0.1)	6,311 (0.1)
Other	7,861 (0.2)	9,686 (0.2)	6,697 (0.1)	7,767 (0.1)

Note: Each diagnosis category represents all psychiatric-related ED visits with Treat-and-Release disposition for each region category. ED Visits may have more than one psychiatric diagnosis. Percentages are based on total diagnoses for Treat-and-Release visits, N.