



Indian Health Service  
**REPORT** **ON**  
**BEHAVIORAL**  
**HEALTH**  
**2018 EDITION**

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
INDIAN HEALTH SERVICE  
OFFICE OF PUBLIC HEALTH SUPPORT  
DIVISION OF PROGRAM STATISTICS  
and  
OFFICE OF CLINICAL AND PREVENTIVE SERVICES  
DIVISION OF BEHAVIORAL HEALTH



**INDIAN HEALTH SERVICE  
REPORT ON BEHAVIORAL HEALTH  
2018 EDITION**

**Indian Health Service**

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## PREFACE

Since 1955, the Indian Health Service (IHS) has upheld the Federal Government's trust responsibility to promote healthy American Indian and Alaska Native (AI/AN) communities and cultures, while honoring and protecting each Tribe's inherent sovereign rights. Our mission is to raise the physical, mental, social, and spiritual health of American Indians and Alaska Natives to the highest level.

This first edition of "Indian Health Service Report on Behavioral Health" describes the state of IHS behavioral health care programs in terms of clinical workload dedicated to a serious condition and provides tables and charts detailing the behavioral health status of AI/AN people. This report presents an overview of the Agency's activities in caring for patients, focusing on providing diagnostic prevalence and amount of clinical workload for serious mental and neurological conditions. Where appropriate, comparisons are made to the United States (U.S.) population overall in terms of the age of onset and diagnostic prevalence.

The IHS is committed to ensuring that comprehensive, culturally acceptable personal and public health services are available and accessible to AI/AN people. The data contained within this report advances our ongoing efforts to achieve this vital health care goal.

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## ACKNOWLEDGMENTS

Overall production of *Indian Health Service (IHS) Report on Behavioral Health 2018 Edition* was managed by the IHS Office of Clinical Preventative Services (OCPS), Division of Behavioral Health (DBH), under the direction of Beverly Cotton, and Office of Public Health Support (OPHS), Division of Program Statistics (DPS), under the direction of Kirk Greenway, Director.

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Production was accomplished by the IHS DPS staff: Kirk Greenway, JoAnn Glakas Pappalardo, Alan Friedman, and Priscilla Sandoval. Other production assistance was provided by CAPT John Mosely Hayes (OPHS DEDP), Angela Walter (PSC FMS), and Nguyen Hanh (PSC FMS).

Data were analyzed by the following Program Statistics staff:

- » Part I, Diagnostic Prevalence and Inpatient/Outpatient Workload of Behavioral Health Conditions: Kirk Greenway
- » Part II, Top Ranking American Indians and Alaska Natives Behavioral Health Conditions by Age and Sex: Kirk Greenway
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Technical and editorial review was provided by Kirk Greenway, Dr. Beverly Cotton, Dr. Chris Fore, Ying Zhang, and Priscilla Sandoval.

Graphics (charts and tables) were created and compiled by Priscilla Sandoval.

Administrative support was provided by Jennifer Joseph, DPS staff assistant.

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## OVERVIEW

The Indian Health Service (IHS) has been in continuous operation since 1955 providing health care to American Indian and Alaska Native (AI/AN) people who are identified members of federally recognized Tribes. It was one of the first health care systems to explore and adopt the use of electronic health records of various kinds. Beginning in the 1970s, inpatient data records were recorded electronically, followed by outpatient data records in the 1980s. Along with this system came registration files that included detailed personal and spatial identifiers. Key to this process was the adoption of systems that could safely house and allow for rapid queries of the data as it grew. The current system involves two large components: (1) The Resource Patient Management System (RPMS, see <http://1.usa.gov/1MfpWBG>) for primary health record collection and data analysis at the site level; (2) The National Data Warehouse (NDW) (see <http://1.usa.gov/1lrnbJo>) and its associated data marts, that are easier to use reductions of the data, many of which are run by the Indian Health Performance Evaluation System (IHPES) (see <http://1.usa.gov/1JRlIda>). Those who work with the NDW are the ones who mine the administrative data and extract results from it. This data extends back in this national data repository to 2001 and includes records transmitted to it from both RPMS, and commercial off-the-shelf medical records systems. IHPES currently operates a data mart and a website (see <https://goo.gl/oHTkBs>) that reports certain measures directly relevant to the operation of the IHS Behavioral Health programs, which are centered in the IHS Office of Clinical and Preventive Services (OCPS), Division of Behavioral Health (DBH).

Another aspect of IHS data resources are those that do not directly result from electronic health records, demography or vital statistics, as well as geographic information systems. Vital statistics are IHS service population estimates and projections, social and economic data from the United States (U.S.) Census Bureau, birth and death data from State vital event certificates. The Office of Public Health Support (OPHS), Division of Program Statistics (DPS), Demographic Statistics Team has developed of ratios to correct for misclassification of race in birth and death certificates, aggregated at the county level in a vital events file that the IHS OPHS, DPS receives annually from the Centers for Disease Control National Center for Health Statistics National Vital Statistics System. Another aspect is the representation in web-based geovisualizations (maps) of the location of facilities operated by the IHS. Other aspects of the geographic information system allow for the spatial distribution of health conditions, especially chronic diseases, as well as health services research questions, to be studied.

Overall, this combination of administrative data resources allows for the reasonably accurate estimation of the degree of substance abuse disorders, behavioral health conditions, traumatic and violent events, suicide ideations, attempts, or completions in the primarily AI/AN or descendant patient population seen in IHS health facilities.



## INTRODUCTION

The *Report on Behavioral Health* provides basic statistical information on IHS-selected behavioral health and alcohol/substance abuse conditions and its programs, Tribes, other Federal and State government agencies, as well as other customers interested in the IHS. It was requested by Tribes as a part of the American Indian and Alaska Native National Behavioral Health Strategic Plan 2011-2015. This report uses narrative, charts, and tables to describe the IHS program and the health status of AI/AN people residing in the IHS service area. The IHS service area consists of counties on and near Federal Indian reservations. Indians residing in the service area comprise about 58 percent of all AI/AN people residing in the U.S. Information pertaining to the IHS organizational structure, AI/AN demography, and patient care is included.

### SCOPE AND ORGANIZATION OF THIS REPORT

Narrative, charts, and tables are grouped into two major categories:

- » Diagnostic Prevalence, Hospitalizations, and Outpatient Encounters and
- » General Mortality Statistics

The tables provide detailed data, while the charts further depict significant relationships. Throughout this report each table and its corresponding chart appear next to each other. However, some self-explanatory charts do not have a corresponding table. In other instances, a table may have more than one chart associated with it.

The report is not intended to be a comprehensive, authoritative source of true rates. It is a document that describes data present in the IHS electronic health records. This presents only one aspect of a complex health care system. Many things cannot be known or completely counted by solely examining electronic health records.

## SUMMARY OF DATA

### INDIAN HEALTH SERVICE BEHAVIORAL HEALTH PROGRAM ORGANIZATIONAL STRUCTURE

The IHS is comprised of 12 regional administrative units called Area Offices:

Alaska	Nashville
Albuquerque	Navajo
Bemidji	Oklahoma City
Billings	Phoenix
California	Portland
Great Plains	Tucson

As of October 1, 2015, according to a study performed for purposes of this report, the Area Offices consisted of 167 basic administrative units called Service Units. Of the 167 Service Units, 28 had a dedicated behavioral health or a dedicated alcohol and/or substance abuse treatment facility.

In FY 2015, IHS operated one psychiatric inpatient facility, one behavioral health facility, and five alcohol/substance abuse treatment facilities. Six non-IHS alcohol/substance treatment facilities were operated. Tribes operated 31 behavioral health or alcohol/substance abuse treatment facilities. Of those, ten alcohol/substance treatment facilities and six behavioral health facilities were Title I, and five alcohol/substance abuse treatment facilities and ten behavioral health facilities were Title V (638). Three alcohol/substance abuse facilities were Urban Indian grantees. Tribes have two different vehicles for exercising their Self-Determination—they can choose to take over the operation of an IHS facility through a Public Law (P.L.) 93-638 Self-Determination contract (Title I) or a P.L. 93-638 Self-Governance compact, as amended (Title V). A distinction is made in this publication regarding these two Tribal modes of operation, i.e., Title I and Title V. These numbers do not include facilities that are not solely dedicated to and identified as behavioral health or alcohol and/or substance abuse treatment facilities.

#### **Data Universe**

The three categories of data contained in IHS datasets are: (1) electronic health records generated by health care sites and stored in the National Data Warehouse (NDW); (2) vital records and census data used to determine life expectancy, natality, mortality, and service population not owned by the IHS but by the Centers for Disease Control and Prevention (CDC) National Center for Health Statistics (NCHS) through its data use agreements with the states; (3) geographic data that entities within the Agency use to spatially visualize the health of the patients served by the IHS. Examples 1 and 2 contain information that specifically identifies if those studied are American Indians and Alaska Natives. Only the electronic health records contain certain identification of Tribal membership status. Tables contained in the IHS Standard Code Book (SCB) (see <http://1.usa.gov/1NfliAK>) include Blood Quantum, Beneficiary Classification, and Tribe to identify how American Indian and Alaska Native is specifically identified in this data. This is very different than U.S. Census data or information collected from surveys that use a respondent's self-declaration of his or her race as the method of determination of being an American Indian and/or Alaska Native person.

In the Tribe code table of the IHS SCB (see <http://1.usa.gov/1MayLLz>), there are descriptions of each Federally recognized Tribe and other entities as coded in the IHS electronic health records stored by its NDW. Several codes in the Tribe code Table of the SCB are listed as inactive. In addition, if a code denotes having Indian status, its Indian Flag variable would be labelled "Indian." The code for Hispanic/Latino in the SCB is 991. This code is currently inactive.



The geographic scope of the IHS data can potentially include a patient's home, but more commonly, the smallest level of analysis is the "community." Geographic indicators available on the public website (see <http://1.usa.gov/1DAtrzG>) include boundaries of the smallest administrative unit of the IHS, the Service Unit, including also the county. The website is intended to show where all IHS facilities are located. A similar website, "Find Healthcare" (see <http://1.usa.gov/1W6myw9>), assists patients in finding IHS facilities near their location. Community and patient home layers are not available on these websites. The SCB Communities table (see <http://1.usa.gov/1NftTTZ>) is publicly available and lists IHS communities, providing IHS-specific identifiers that include its code, county and state name, Area/Service Unit code for Service Unit identification, and whether its status is active or inactive.

Most of the data that is useful for behavioral health related studies is comprised of components derived from health or vital records. A brief review is provided below concerning the health records of the IHS.

The sources of all statistical information for IHS and its programs, in this case, behavioral health is primarily its repositories of AI/AN-specific vital and health data. The health records can provide diagnostic prevalence of social and behavioral health conditions documented and accurately coded in the electronic health records of the IHS, the frequency of therapeutic procedures provided, the location and distribution of the IHS Behavioral Health Program, the clinical workload of IHS providers of the program, and frequencies of related services and prescriptions.

As of October 1, 2015, the IHS patient (user) population was approximately 1.6 million. The population is virtually identical to the IHS user population except that it does not include manually adjusted figures due to negotiated settlements with newly added Tribal entities to the IHS (amounting to less than 0.1 percent of the user population). The IHS user population is defined as the number of Indian registrants, residing within a service delivery area with at least one direct or contract (purchased, referred) face-to-face inpatient stay, ambulatory care visit, or dental visit during the prior three fiscal years at a Federal or Tribal facility. The service delivery area for the user population is called a "Purchased/Referred Care (PRC) Delivery Area", or previously Contract Health Service Delivery Area or "CHSDA", and only users who live inside one can be counted as a user. A user is essentially an individual IHS patient seen at a Federal or Tribal facility.

The AI/AN population in general is younger, faster growing, less educated, and poorer than the U.S. all races population. The IHS user population in a recent year (FY 2015), showed that 7.7 percent of the persons were under age 5 compared to 6.2 percent for the U.S. all races population (U.S. Census Bureau American Community Survey 2015). The total U.S. population that was not AI/AN people grew by 9.5 percent, from 277.3 million in 2000 to 303.5 million in 2010. In comparison, the U.S. Census AI/AN ("alone", single race) population increased in that same year almost twice as fast as the total U.S. population, growing by 18 percent from 2.5 million to 2.9 million.

The IHS User Population is often used in this report as the denominator in calculating crude and adjusted rates from IHS data taken from electronic medical records present in the NDW. This population originates from passively collected medical records of patients seen in IHS and Tribal facilities, is distributed in a manner that approximates a binomial distribution and is described as being "hypergeometric." When age adjustment is performed, a standard million for age and sex will be used, constructed from the 2000 population (see <http://1.usa.gov/1DvTpEM> page 52).

### ***Diagnostic Prevalence Rate of Behavioral Health Conditions***

The results produced from any cache of electronic health records, even those collected by the Service, must be viewed with caution since they represent prevalence rates obtained from passively collected, coded electronic medical records. This is why we use this term, emergent from the literature, “diagnostic prevalence rate.” A majority of the records in the repository (IHS NDW) originate from outpatient clinics where clinical impressions were noted [coded] in the medical record as accurately as possible given clinical demands.

In clinical settings, many behavioral health conditions can be difficult to diagnose and code and may change over time as more symptoms are reported. There are research and assessment instruments that can be used to determine specific behavioral health diagnoses. However, these are not appropriate or useful for a clinical care environment. Hence, comparison to norms developed from surveys of this type should be done with caution because the data presented in this report are based on the clinical impressions of multiple practitioners. Yet, one can expect that since the academic and clinical training of the providers who coded the records used are independently licensed, and credentialed and privileged, their diagnostic abilities are comparable to those in behavioral health practices within the U.S., the coded records here will be consistent in the reliability of their findings. For therapeutic procedures, coded in ICD-9-CM codes, similar logic applies.

It is also important to note that research continues to better comprehend how neuroscientifically or neuroanatomically determinable aspects underlie many of the diagnosed conditions (bipolar disorder, schizophrenia, post-traumatic stress disorder, and others) contained in this report. This means many of these conditions may have the same cause on the “organic” level, but manifest differently in different people or in the same person over the course of a lifespan. Behaviorally, it is conjectured by some psychologists that the emergence of a condition may depend on psychological or social stress from the environment which dynamically cause the manifestation of “symptoms” or place the same symptoms in a different context resulting in a different diagnosis. The stress may also be chemical in origin from environmental pollution or alcohol/substance abuse. Some psychologists even conjecture that disorders of behavioral health could be caused by factors completely independent of a biological basis (nervous system or cellular genetics). In fact, they may be responses to traumatic experience or some as yet characterized set of emergent factors exhibited only in social, cultural, or psychological contexts.

### ***Data Content and its Interpretation in this Report***

#### **Encounters**

Encounters are a focal point linking provider and clinical workload with patient care information. A standard definition for a clinical encounter is from the American Society of Testing and Materials (ASTM) International E1384-02a – Standard Guide for Content and Structure of the Electronic Health Record: “(1) an instance of direct provider/practitioner to patient interaction, regardless of the setting, between a patient and a practitioner vested with primary responsibility for diagnosing, evaluating or treating the patient’s condition, or both, or providing social worker services. (2) A contact between a patient and a practitioner who has primary responsibility for assessing and treating the patient at a given contact, exercising independent judgment.”

Encounters occur in many different settings – ambulatory care, inpatient care, emergency-care, home health care, field health location, and telemedicine. The ASTM International definition provided here excludes an ancillary service visit, which is defined as “the appearance of an outpatient in a unit of a hospital or outpatient facility to receive service(s), test(s), or procedures.” The standard definition also excludes practitioner actions that are performed independently of a patient, such as practitioner-to-practitioner interaction and practitioner-to-records interaction. This includes the sub-domains of admission information, transfer (patient movement) information, discharge information, provider information, accident information, and death and autopsy information. There may be clinical information and decision-making involved in these excluded actions, however, these actions are not focused on a patient and conducted in the patient’s presence (See <http://1.usa.gov/1INH4r7>). The IHS system as of this writing often uses the administrative terms, “[outpatient] visits” and “[inpatient] stays” synonymously with “encounter.” A patient contact with a licensed, credentialed health care provider in an IHS or Tribal health facility or field health location where the patient or their personal representative



is physically present and services are given is an encounter, and this typically corresponds to a single line of data in the repository. That would typically include all behavioral health providers on a date of service. What counts as an outpatient / ambulatory visitor inpatient stay is based on specific, industry standard criteria where ever possible. Only certain clinics, service categories, locations, are programmed to count as being “workload reportable” Those definitions are based on guidance provided by the Office of Resource Access and Partnerships to the Office of Information Technology and Office of Public Health Support from the Centers for Medicare & Medicaid Studies as being reimbursable to IHS. The IHS describes encounters as different visits within a 24 hour time period only if the clinics in those encounters are different, the primary providers in them are different, and the diagnosis/reason is different; otherwise, the encounters are “bundled” together. An inpatient stay is a more clearly defined item based on a hospitalization of more than 24-hours duration in an IHS inpatient facility or a contract (PRC) hospital. A table of clinics considered to have workload reportability (see WL flag) is given in the Clinic table of the IHS SCB at the IHS SCB website (see <http://1.usa.gov/1KUXba8>).

### **Provider Type**

A list of types of providers coded in the IHS electronic medical record can be found in the Services Rendered By (Provider) table of the IHS Standard Code Book tables on the Indian Health Service Standard Code Book (IHS SCB) website (<http://1.usa.gov/1MalnFX>). The IHS SCB is a uniform listing of descriptive terms and identifying codes for recording and reporting medical information collected during the provision of health care services. A standard set of codes provides the means for reliable communication between IHS or Tribal providers, patients, and third parties (e.g., contract health service providers). A definition of each provider type is given in the table. For psychologist, not coded as a primary care provider, hence a specialist, the definition is: “An individual who specializes in psychological research, testing, or therapy; deals with the emotional and mental processes, consciousness, sensation, ideation, and memory.” For psychiatrist, the definition given is “A physician who specializes in assessing and treating persons having psychiatric disorders; is certified by the American Board of Psychiatry and Neurology or has the documented equivalent in education, training, or experience; and is fully licensed to practice medicine in the state in which he or she practices.” The data also includes encounters from such various providers as Behavioral Health Specialist, Therapists, Social Workers, Substance Abuse Specialist, and Primary Care providers.

### **Clinic Types**

As mentioned earlier, clinics coded in IHS electronic medical records can be found in the Clinic table of the IHS SCB tables at its website (<http://1.usa.gov/1KUXba8>). A definition of each clinic type as well as the date the definition was approved is given in this table.

### **Medications**

There are many possible methods to classify and code drug dispensing information by providers, such as the American Hospital Formulary System. Many drugs can fit into more than one category, so they are commonly classified by therapeutic indication (for example, cardiovascular drugs for use in treating conditions such as hypertension, congestive heart failure, and cardiac arrhythmias). Classification of drugs and drug classes is a complicated subject. Many possible schema exist and can be found in such sources as *The Physicians' Desk Reference*, *Micromedex*, *Drug Facts and Comparisons*, *American Hospital Formulary System*, or *Drug Information for the Health Care Professional*. In IHS data, only one such listing and definitions of drug classes and class members is used that would allow for differentiating medications used by IHS behavioral health providers, the U.S. Department of Veterans Affairs (VA) Drug Class Codes.

VA Drug Class Codes are used to differentiate the psychiatric drugs, those most likely to be prescribed by IHS behavioral health professionals. The VA Drug Class Codes are a drug classification system used by the VA which separates drugs into different categories based upon their characteristics. These drugs are clearly the most useful to know specifically for this report. The IHS National Supply Service Center, as well as the IHS NDW, contains data to provide answers on drug invoicing (doses), expenditures, and the frequency of psychiatric medications associated with encounters in the electronic health records.

The VA Drug Class Codes contain only those drugs in the VA formulary. A modern formulary is a continually revised compilation of pharmaceuticals that meet pharmacopoeial standards. As a practical matter, most modern hospital settings use formularies and formulary systems. Today, formularies and formulary systems affect most of the 76.6 million Americans enrolled in Health Maintenance Organizations (HMO) and the more than 230 million covered by Pharmacy Based Management (PBM) systems and other such drug management systems. Such formularies should be considered, then, as operational components of organized health care delivery systems. As care is increasingly managed and more attention is paid to quality and cost, formularies and evolving formulary systems have played important roles in the pharmacy benefits of delivery systems, whether they are hospitals, clinics, HMOs, PBMs, or the IHS. A formulary system is a method whereby the medical management or administration of an organization objectively evaluates, appraises, and selects from among numerous available drug entities and drug products, the ones considered most useful in patient care. Hence, the ophthalmic drug class has already gone through exhaustive expert review and is a reliable set of such medications used in the treatment of behavioral health disorders and conditions.

### Laboratory Test Results

A limited number of such results, as well as observations consistent with a subjective, objective, assessment, and plan (SOAP) note such as blood pressure, weight, and height, are available in the NDW. These were placed there initially to track the progress of diabetes interventions in the IHS patient population when the NDW was designed in 2000. More lab test findings are now being planned to be put into the NDW, but a full implementation date is not yet fixed. Any such test findings were placed into the NDW too late to be used in this report.

### Vital Records

Most vital records only record beginning or end of life, and they do not provide by themselves details of patient care experiences of significant duration. Normally, results from vital records of IHS are reported as aggregated tables in IHS reports. Published annually or biennially, these reports include: *Service Population; Life Expectancy, American Indian and Alaska Native People; Trends in Indian Health; and Regional Differences in Indian Health*. The service population estimates are based on official U.S. Census Bureau county level data, representing self-identified AI/AN people who may or may not use IHS services.

### IHS Service Population

Since State birth and death certificates do not provide information on use of IHS services, the IHS service population counts are used as the denominator when calculating AI/AN vital event rates for IHS service areas.

IHS service populations between decennial census years are estimated using a smoothing technique in order to illustrate a gradual transition between census years. This normally results in upward revisions to service population figures projected prior to a census, since each census tends to conduct a better job in enumerating AI/AN people. Division of Program Statistics produces service populations for IHS Areas, Service Units, and Counties.

IHS service population figures are based on the 2000 census with bridged-race file county data. The Census Bureau enumerates those individuals who identify themselves as AI/AN. The IHS service population consists of those enumerated American Indians and Alaska Natives who reside in the geographic areas for which the IHS has responsibilities ("on or near" reservations; i.e., PRC Service Delivery Areas).

The 2000 Census allowed respondents to report more than one race category to describe themselves and household members. This was a result of the revised Office of Management and Budget (OMB) guidelines issued on October 30, 1997. All other censuses prior to 2000 offered the respondent the option for self-identification of a single race with which the respondent most closely identified. As a result of the aforementioned, the OMB revised standards, a methodology was developed to "bridge" the 2000 Census with previous decennial censuses. This impacted the manner in which the total AI/AN population was counted.



The Census Bureau and NCHS are credited for developing the bridging methodology to address the inconsistencies for identifying race between the 2000 Census and the previous censuses. The 2000 Census with bridged-race categories re-categorizes more than one race responses to a single race response. The bridged 2000 Census single race corresponds with the single race categories used on the birth and death certificates.

Addressing the inconsistencies in the denominators produced, based on the latest 2010 bridged population, the IHS determined that since this publication uses vital event years prior to the 2010 Census, specifically prior to 2007-2009, the more reliable bridged-race file based on the 2000 census should continue to be used. The IHS is continuing to conduct a detailed evaluation of the methodologies used when developing the 2010 bridged-race file. This is as a result of the AI/AN population being highly affected by the enormous increase in population counts when answering “self-identification” as an AI/AN and a combination of at least one other race (combination).

Additional information may be attained by viewing this URL: <http://1.usa.gov/1MaJx4t>

Source: National Center for Health Statistics. Estimates of the July 1, 2000-July 1, 2009, United States resident population from the Vintage 2004 postcensal series by year, county, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. Available at this URL: <http://1.usa.gov/1MSKDDm>.

Using the 2000 Census with bridged-race categories increased the AI/AN population denominators resulting in slightly decreased IHS mortality rates. The 2000 Census with bridged-race categories population for all American Indian and Alaska Native in the U.S. is 3.3 million. This falls between the population of all AI/AN in the U.S. of 2.5 million who identified themselves as an AI/AN race (alone) and the population of all AI/AN in the U.S. of 4.2 million who identified themselves as an AI/AN and a combination of at least one other race (combination).

To reiterate, IHS service populations beyond the 2000 census have been projected through linear regression techniques using the latest ten years of AI/AN birth and death data provided by NCHS. The estimated natural change for a county (number of births minus number of deaths) is applied accumulatively to the latest census enumeration for the county for each year beyond the census. DPS produces a new set of IHS service population projections each year. This populations being based from enumerated data are normally distributed.

The IHS service populations are produced for the IHS Area, Service Unit, and county levels. If a county is split between and/or among Service Units and/or IHS service areas, DPS allocates the county population to the affected Service Units and/or service areas. These population allocations are based on percentage splits developed and agreed by the affected IHS areas. A letter of agreement describing the formal arrangement (including a valid authorization by all authorities for the population allocation) is sent to DPS and kept on file. These percentage splits are calculated using sub-county census data and census maps.

DPS also generates AI/AN population estimates and projections, utilizing an identical methodology, for non-service IHS counties. Therefore, DPS produces census-based AI/AN population figures for every U.S. county and all 50 states.

### **Changes in Methodology**

DPS continues to use updated methodologies to produce age-adjusted mortality rates. These applied methodologies coincide with methodologies used by CDC NCHS and the U.S. Census Bureau. Using these updated methodologies enabled AI/AN mortality rates to be compared to U.S. all races mortality rates produced by the aforementioned agencies.

The three major updated methodologies applied by DPS follow:

(1) ICD-9-CM Conversion to ICD-10-CM

Beginning with the 1999 mortality data, a new classification system was implemented to categorize causes of death. The International Classification of Diseases, Version 10 (ICD-10), was used by the States and CDC NCHS to code all

causes of death for years 1999 and onward. The ICD-10 classification system consists of a new nomenclature scheme with new and revised categories for some causes of death. Comparability ratios are applied when appropriate; i.e., to adjust data analyzed using the past classification system (ICD-9). Such revisions are noted on the data when applicable.

(2) 2000 U.S. Census Population with Bridged Race Categories (2000 Census Bridged File)

The 2000 U.S. Census Population with Bridged-Race Categories (2000 Census Bridged File) for American Indians and Alaska Natives was used by the IHS to calculate mortality and natality age-adjusted rates. The 2000 Census allowed respondents to report more than one race category to describe their race. The birth and death certificates (vital events) used by the States for years 2007-2009 allow only a single race category to be reported. Vital event totals are used in the numerator and the 2000 Census bridged population is used as the denominator to produce the birth or death rates that occur in the population of interest. The denominator data are based on the 2000 Census bridge file, which re-categorizes responses to a single race where more than one race was reported. This corresponds to the single race categories used on birth and death certificates.

(3) Age-Adjustment Based on the 2000 Standard Population

The Department of Health and Human Services (DHHS) recommended that all DHHS operating and staff divisions use the 2000 Census standard population to age-adjust mortality rates. IHS calculates age-adjusted rates based on the 2000 Census standard population to comply with this DHHS recommendation.

Vital event statistics for the U.S. population were derived from data reported in various CDC NCHS publications<sup>1,2,3,4,5</sup> as well as from some unpublished data from IHS<sup>1</sup>. CDC/NCHS obtains birth and death records for all U.S. residents from State health departments, based on information reported on official State birth and death certificates. The records CDC NCHS provides to IHS contain the same basic demographic items as the vital event records maintained by CDC NCHS for all U.S. residents, but with names, addresses, and record identification numbers deleted. It should be noted that Tribal identity is not recorded on these records.

The natality and mortality data are only as accurate as the reporting by the States to CDC NCHS. CDC/NCHS does perform numerous edit checks, applies verification methods, and imputes values for non-responses.<sup>4,5</sup>

Misreporting of AI/AN race on state death certificates occurs, especially in areas distant from traditional AI/AN reservations. To determine the degree and scope of the misreporting, the IHS conducted a study utilizing the National Death Index (NDI) maintained by CDC NCHS. The study (see <https://goo.gl/9yVDcG>) involved matching IHS patient records of those patients who could have died during 1986 through 1988 with all death records of U.S. residents for 1986 through 1988 as contained on the NDI. The results were published in a document entitled, "Adjusting for Miscoding of Indian Race on State Death Certificates, November 1996." The study revealed that on 10.9 percent of the matched IHS-NDI records, the race reported for the decedent was other than AI/AN. The percentage of records with inconsistent classification of race ranged from 1.2 percent in the Navajo Area IHS to 28.0 and 30.4 percent in the Oklahoma City Area and California Area, respectively.<sup>1</sup>

<sup>1</sup> Indian Health Service, Department of Health and Human Services. Adjusting for Miscoding on Indian Race on the State Death Certificate. November 1996.

<sup>2</sup> Fay MP, Feuer EJ. Confidence intervals for directly adjusted rates: a method based on the gamma distribution. *Stat Med* 16:791-801, 1997.

<sup>3</sup> Mathews TJ, MacDorman MF. Infant mortality statistics from the 2008 period linked birth/infant death dataset. *National vital statistics reports*; vol 60 no 5. Hyattsville, MD: National Center for Health Statistics. 2012.

<sup>4</sup> Minino AM, Murphy SL, Xu Jq, Kochanek KD. Deaths: Final data for 2008. *National vital statistics reports*; vol 59 no 10. Hyattsville, MD: National Center for Health Statistics, 2011.

<sup>5</sup> Martin JA, Hamilton BE, Sutton PD, et al. Births: Final data for 2008. *National vital statistics reports*; vol 59 no 1. Hyattsville, MD: National Center for Health Statistics, 2010.



The results of the original NDI study provide sufficient numbers to calculate adjustments for each IHS Area, IHS overall, and selected age groups. In addition to these adjustments based on the study findings, IHS assumed the following: (a) the results from 1986-1988 apply to other years; (b) IHS age-group adjustments applied also to each Area; and (c) the Area adjustments applied to the causes of death used in this publication; i.e., if an Area's total deaths needed to be increased by 10 percent, then the deaths for each cause of death would also increase by this same rate. These assumptions cannot be statistically supported by the results of the aforementioned study of miscoding of race. However, it was necessary to adjust all the death rates in this publication to provide a meaningful and comprehensive look at health status.

These NDI adjustments were used for the first time in the 1997 edition of Trends in Indian Health. Both unadjusted and adjusted information is shown, as applicable. The adjustments were applied to the results obtained from using an unadjusted death file.

IHS has more specific adjustment factors for the under one-year age group. These are derived from the linked birth/infant death data sets produced by NCHS.<sup>3</sup> In this edition, unadjusted and adjusted infant mortality rates will be shown. These adjustments, based on the linked data sets, take precedence over the NDI adjustments for the under one-year age group described above.

Nativity statistics are based on the total file of birth records occurring in the U.S. each year. Mortality statistics are based on the total file of registered deaths occurring in the U.S. each year. Tabulations of vital events for IHS Areas are by place of residence.

The AI/AN population is considerably younger than the U.S. all races population. Death rates presented in this publication have been age-adjusted to the 2000 standard population, where applicable, so that appropriate comparisons can be made between these population groups. An exception would be the information presented for leading causes of death were presented in this report.<sup>6</sup> To determine the leading causes of death for a population group, it is necessary to rank causes of death without any adjustment for age. However, it should be kept in mind that the ranking of causes of death for a population group is affected by its age composition.

All age-adjusted death rates calculated using a small number of deaths should be interpreted with caution as the observed rate may be quite different from the true underlying rate. This occasionally occurred when an Area rate was calculated for a specific cause of death. Any rate based upon fewer than 20 deaths may not be reliable as the sample will be too small.

The CDC NCHS definition of alcohol-related deaths includes all of these ICD-10-CM codes groups which are used in all IHS publications. (NOTE: The category "alcohol-induced causes" includes not only deaths from dependent and nondependent use of alcohol, but also accidental poisoning by alcohol. It excludes unintentional injuries, homicides, and other causes indirectly related to alcohol use, as well as deaths due to fetal alcohol syndrome.)<sup>4</sup>

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<sup>6</sup> <http://www.cdc.gov/nchs/products/pubs/pubd/hestats/leadingdeaths03/leadingdeaths03.htm>

### **Age-Adjustment**

The age adjusted death rates presented by IHS are computed by the direct method; that is by applying the age specific death rate for a given cause of death to the standard population distributed by age. The total population as enumerated in 2000 was selected as the standard since this is the standard used by CDC NCHS as of this writing.<sup>7</sup> The rates for the total population and for each race-sex group were adjusted separately, by using the same standard population. The age adjusted rates were based on 10 year age groups. It is important not to compare age-adjusted death rates with crude rates.

Another age adjustment methodology is presented in the tables based on a user population (patients) denominator. This is used to calculate age adjusted diagnostic prevalence. It is almost identical except the patient population is taken from the entire IHS database for FY 2014 and is called the user population.

### **Prior Publications and Studies of Behavioral Health Epidemiology of AI/AN from IHS data**

Few studies using IHS data have been performed for purposes other than decision support to Agency programs, and in the case of Behavioral Health-related studies, most are extremely sensitive. These focus on underlying factors and issues to support active grant programs. One such published study that shows the promise of IHS data is Herne, MA, Bartholomew ML, Weakhee RL. Suicide mortality among American Indians and Alaska Natives, 1999-2009. *Am J Public Health*. 2014 Jun;104 Suppl 3:S336-42. doi: 10.2105/AJPH.2014.301929. Epub 2014 Apr 22. The authors used a unique linked data set of vital and medical records to assess national and regional suicide mortality for American Indian and Alaska Native persons. Death certificate data from 1999-2009, as well as IHS patient registration data, were used to examine death rates from suicide in American Indian and Alaska Native and White persons. Analysis focused primarily on residents of IHS Contract Health Service (now called Purchased Referred Care) Delivery Area counties. Age-adjusted death rates per 100,000 population were utilized and stratified by age and IHS region. It is hoped more studies in the future will provide new windows into the possibilities latent in IHS data resources. It is hoped this report makes a significant contribution to filling this gap in the literature.

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<sup>7</sup> Anderson RN, Rosenberg, HM. Age Standardization of Death Rates: Implementation of the Year 2000 Standard; National Vital Statistics Reports, vol 47 no 3. Hyattsville, Maryland: National Center for Health Statistics, 1998.



## GLOSSARY

**Age-Adjustment (direct method)**—The application of age-specific rates in a population of interest to a standardized age distribution to eliminate differences in observed rates that result from age differences in population composition. This adjustment is usually done when comparing two or more populations at one point in time or one population at two or more points in time.

**Alzheimer's Disease**—a progressive disease that destroys memory and other important mental functions. It is the most common cause of dementia — a group of brain disorders that cause the loss of intellectual and social skills caused by brain cells as they degenerate and die, causing a steady decline in memory and mental function.

**Anxiety Disorder**—a chronic condition characterized by an excessive and persistent sense of apprehension, with physical symptoms such as sweating, palpitations, and feelings of stress.

**Area**—A defined geographic region for Indian Health Service (IHS) administrative purposes. Each Area Office administers several Service Units.

**Autism**—a general term for a group of complex disorders of brain development. These disorders are characterized, in varying degrees, by difficulties in social interaction, verbal and nonverbal communication and repetitive behaviors. In severe autism, stereotypic movement disorder is present, according to the definitions used in this report. Severely autistic individuals may have multiple disorders of metabolism and be occurring at the same time with other conditions, such as apraxia and intellectual disabilities.

**Bipolar Disorder**—a mental illness that brings severe high and low moods and changes in sleep, energy, thinking, and behavior.

**Cause of Death**—For the purpose of national mortality statistics, every death is attributed to one underlying condition, based on information reported on the death certificate and using the international rules for selecting the underlying cause of death from the conditions stated on the death certificate. The underlying cause is defined by the World Health Organization (WHO) as the disease or injury that initiated the chain of events leading directly to death, or the circumstances of the accident or violence,

that produced the fatal injury. Generally, more medical information is reported on death certificates than is directly reflected in the underlying cause of death. The conditions that are not selected as underlying cause of death constitute the non-underlying cause of death, also known as multiple cause of death. Cause of death is coded according to the appropriate revision of the International Classification of Diseases (ICD). Effective with deaths occurring in 1999, the U.S. began using the Tenth Revision of the ICD (ICD-10); during the period 1979-98, causes of death were coded and classified according to the Ninth Revision (ICD-9). Each of these revisions has produced discontinuities in cause-of-death trends. These discontinuities are measured using comparability ratios.

**Cirrhosis**—a late stage of scarring (fibrosis) of the liver caused by many forms of liver diseases and conditions, such as hepatitis and chronic alcohol abuse.

**Contract Care**—Services not available directly from IHS or Tribes that are purchased under contract from community hospitals and practitioners, also called purchased referred care.

**Family Circumstances**—when a patient has experienced recent family disruption, marital, or partner problems including abuse, parent-child problems, problems with aged parents or in-laws, alcoholism or substance abuse in family, multiparity (many children born at once), illegitimacy or illegitimate pregnancy, other unwanted pregnancy, or similar unspecified family difficulties.

**Fetal Alcohol Syndrome**—a highly variable group of congenital anomalies present at birth, including mental retardation, deficient growth, and malformations of the skull and face that tend to occur in the children born to women who consume large amounts of alcohol during pregnancy.

**International Classification of Diseases**—The Ninth Revision (ICD-9) codes are used for years prior to 1999. The Tenth Revision (ICD-10) codes are used for data years 1999 onward.

**Life Circumstances**—life events that cause extreme psychological stress.

**Major Depressive Disorder**—a mental disorder characterized by a pervasive and persistent low mood that is accompanied by low self-esteem and by a loss of interest or pleasure in normally enjoyable activities (also known as clinical depression, major depression, unipolar depression, or unipolar disorder; or as recurrent depression in the case of repeated episodes). The term “depression” is used in a number of different ways. It is often used to mean this syndrome, but also may refer to other mood disorders or simply to a low mood. Major depressive disorder is a disabling condition that adversely affects a person’s family, work, or school life, sleeping and eating habits, and general health.

**Maltreatment**—any act or series of acts of commission or omission by a person, particularly a partner, a parent or a caregiver (e.g., clergy, coach, teacher) resulting in harm, potential for harm, or threat of harm to another person.

**Partner Relationships**—Marital or partner relationship conflicts or relationship problems are examples of this. Domestic or partner violence or abuse might be occurring in patients according to codes recorded in their medical records.

**Post-Traumatic Stress Disorder (PTSD)**—a disorder that develops in some people who have seen or lived through a shocking, scary, or dangerous event. It is natural to feel afraid during and after a traumatic situation. Fear triggers many split-second changes in the body to help defend against danger or to avoid it. This “fight-or-flight” response is a healthy reaction meant to protect a person from harm. Nearly everyone will experience a range of reactions after trauma, yet most people recover from initial symptoms naturally. Those who continue to experience problems may be diagnosed with PTSD. People who have this condition may feel stressed or frightened even when they are not in danger.

**Psychotic Disorders**—a mental illness typically characterized by radical changes in personality, impaired functioning, and a distorted or nonexistent sense of objective reality. Those who suffer from psychosis have impaired reality testing; that is, they are unable to distinguish personal subjective experience from the reality of the external world. They experience hallucinations and/or delusions that they believe are real and may behave and communicate in an inappropriate and incoherent fashion.

**Purchased Referred Care**—See “Contract Care”

**Race**—Federal Register Notice (October 30, 1997), Revision to the Standards for the Classification of Federal Data on Race and Ethnicity.

The revised standards have five minimum categories for data on race: American Indian or Alaska Native, Asian, Black or African-American, Native Hawaiian or Other Pacific Islander, and White. There will be two categories for data on ethnicity: “Hispanic or Latino:” and “Not Hispanic or Latino.”

Persons are offered the option to select one or more races.

<http://www.whitehouse.gov/omb/fedreg/1997standards.html>

**Reservation State**—A State in which the IHS has responsibilities for providing health care to American Indians or Alaska Natives.

**Residence**—Usual place of residence of person to whom an event occurred. For births and deaths, residence is defined as the mother’s place of residence.

**Service Area**—The geographic areas (also known as Areas) in which IHS has responsibilities—“on or near” reservations; i.e., contract health service or purchased referred care delivery areas.

**Service Population**—AI/AN people identified to be eligible for IHS services.

**Service Unit**—The local administrative unit of IHS of which an Area is composed.

**User Population**—AI/AN people who have used IHS services at least once during the last 3-year period, according to their community of residence.

**Vascular Dementia**—Vascular dementia is a general term describing problems with reasoning, planning, judgment, memory and other thought processes caused by brain damage from impaired blood flow to your brain. Someone can develop vascular dementia after a stroke blocks an artery in your brain, but strokes do not always cause vascular dementia. Whether a stroke affects your thinking and reasoning depends on the stroke’s severity and location. Vascular dementia also can result from other conditions that damage blood vessels and reduce circulation, depriving the brain of vital oxygen and nutrients. It is the second most frequent cause of dementia following Alzheimer’s disease. It is possible to have both Alzheimer’s disease and vascular dementia.



## SOURCES OF COPIES AND ADDITIONAL INFORMATION

Additional AI/AN health status information can be obtained from the IHS Division of Program Statistics. Specific responsibilities are as follows:

### **General Information**

Kirk Greenway, Principal Statistician and Director, Division of Program Statistics  
Priscilla Sandoval, Program Analyst  
Jennifer Joseph, Staff Assistant

### **Demographic Statistics**

Jo Ann Glakas Pappalardo, Senior Statistician  
Alan Friedman, Health Statistician

### **Patient Care Statistics**

Ying Zhang, Senior Statistician

Copies of this and other statistical publications may be obtained from Division of Program Statistics at:

Indian Health Service  
Office of Public Health Support  
Division of Program Statistics  
Mail Stop 09E10D  
5600 Fishers Lane  
Rockville, Maryland 20857  
Phone: 301-443-1180

DPS Website: <http://www.ihs.gov/DPS/>



## PART I

# DIAGNOSTIC PREVALENCE AND INPATIENT/OUTPATIENT WORKLOAD OF BEHAVIORAL HEALTH CONDITIONS

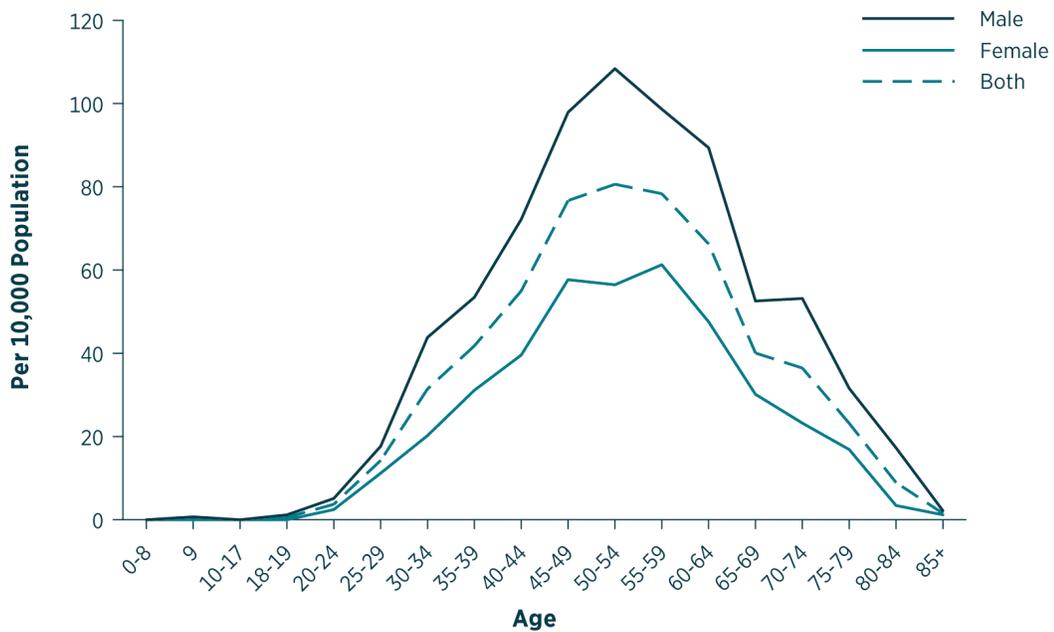
INDIAN HEALTH SERVICE REPORT:  
BEHAVIORAL HEALTH 2018 EDITION

## 1.1 ALCOHOL-RELATED LIVER DISEASES AND CIRRHOSIS DIAGNOSIS

### 1A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 27.48 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 31.59 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 61.27 persons and the age-adjusted diagnostic prevalence rate was 57.62 persons. The AI/AN age-adjusted male diagnostic prevalence rate was 41.24 persons, and for females was 23.07 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for males was 78.32 persons and for females 40.75 persons. The AI/AN male crude diagnostic prevalence rate peaked at 108.37 persons for age group 50-54 years.

**CHART 1A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Alcohol-Related Liver Diseases and Cirrhosis Rates by Age and Sex  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 1A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Alcohol-Related Liver Diseases and Cirrhosis by Age and SexAmerican Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

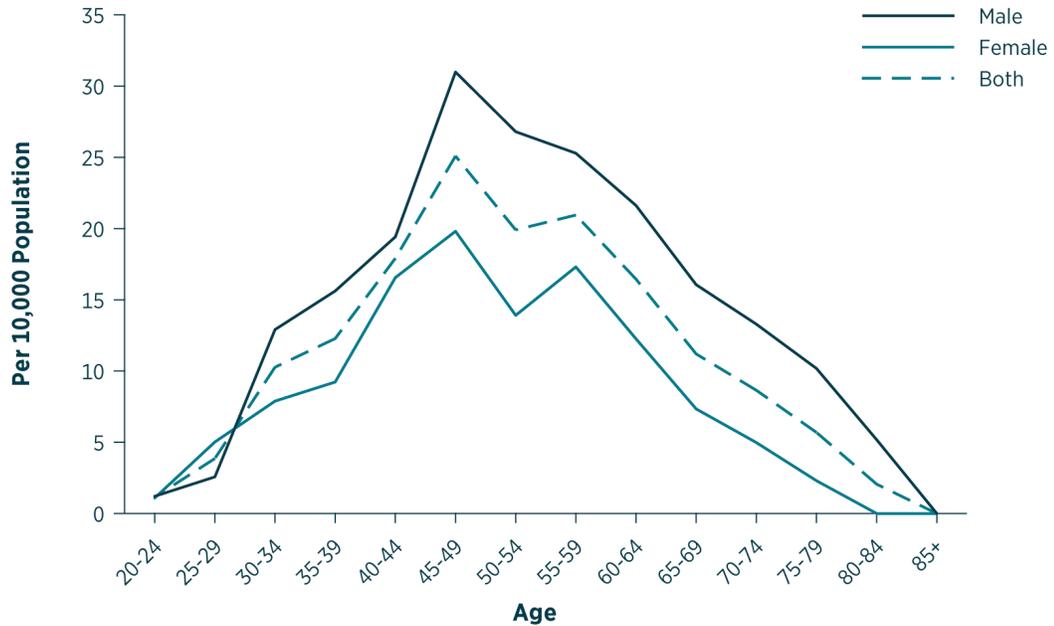
Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	1	1	0	0.35	0.70	0.00
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	—*	—*	—*	—*	—*	—*
15-17 years	—*	—*	—*	—*	—*	—*
18-19 years	3	3	0	0.58	1.18	0.00
20-24 years	52	34	18	3.72	5.12	2.45
25-29 years	188	110	78	14.24	17.65	11.19
30-34 years	364	241	123	31.42	43.81	20.22
35-39 years	398	243	155	41.77	53.45	31.11
40-44 years	485	301	184	54.98	72.17	39.57
45-49 years	660	398	262	76.68	97.90	57.68
50-54 years	737	461	276	80.61	108.37	56.46
55-59 years	617	355	262	78.35	98.66	61.27
60-64 years	411	248	163	66.27	89.38	47.56
65-69 years	186	108	78	40.06	52.56	30.14
70-74 years	118	76	42	36.45	53.17	23.23
75-79 years	53	31	22	23.19	31.57	16.88
80-84 years	13	10	3	8.93	17.28	3.42
85 years +	2	1	1	1.54	2.18	1.19
<b>Crude Total (All)</b>	<b>4,288</b>	<b>2,621</b>	<b>1,667</b>	<b>27.48</b>	<b>35.13</b>	<b>20.48</b>
<i>Age-adjusted (All)</i>				<i>31.59</i>	<i>41.24</i>	<i>23.07</i>
<b>Crude Total (40+)</b>				<b>61.27</b>	<b>81.63</b>	<b>44.28</b>
<i>Age-adjusted (40+)</i>				<i>57.62</i>	<i>78.32</i>	<i>40.75</i>

—\* Represents zero.

### 1B. Inpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 7.83 encounters, and the AI/AN age-adjusted rate was 9.07 encounters. For AI/AN age group 40 and over, the crude rate was 17.16 encounters and the age-adjusted rate was 16.33 encounters. The AI/AN age-adjusted male rate was 11.22 encounters, and for females was 7.16 encounters. For AI/AN age group 40 and over, the age-adjusted rate for males was 21.35 encounters and for females 12.20 encounters. The AI/AN male encounter rate peaked at 30.99 encounters for age group 45-49 years.

**CHART 1B** Inpatient Encounters with Alcohol-Related Liver Diseases and Cirrhosis Rates by Age and Sex  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 1B** Inpatient Encounters with Alcohol-Related Liver Diseases and Cirrhosis by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

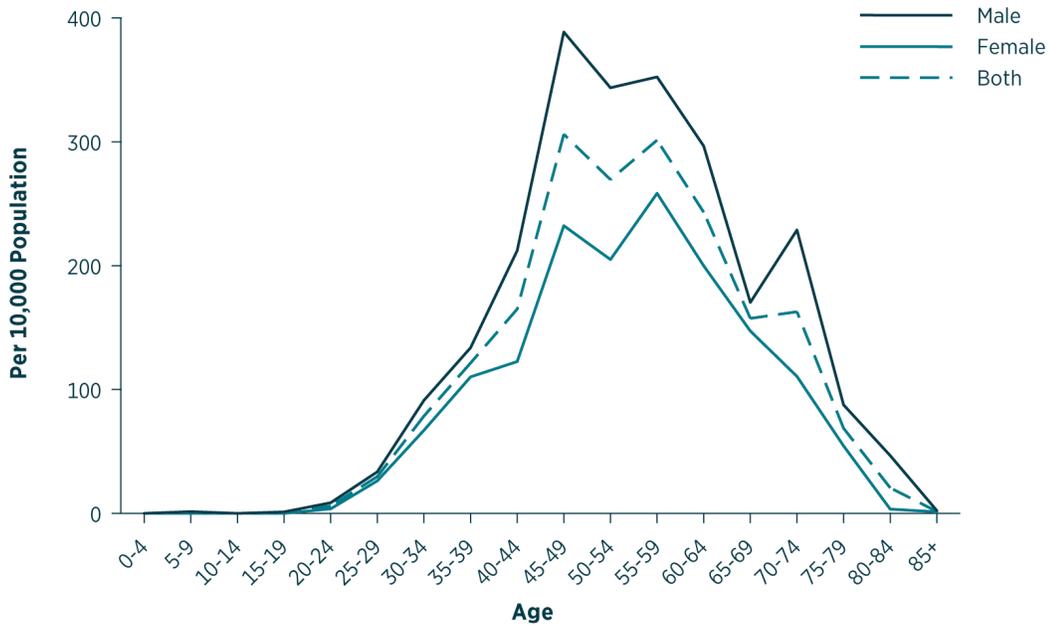
Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	—*	—*	—*	—*	—*	—*
15-17 years	—*	—*	—*	—*	—*	—*
18-19 years	—*	—*	—*	—*	—*	—*
20-24 years	16	8	8	1.14	1.21	1.09
25-29 years	51	16	35	3.86	2.57	5.02
30-34 years	119	71	48	10.27	12.91	7.89
35-39 years	117	71	46	12.28	15.62	9.23
40-44 years	158	81	77	17.91	19.42	16.56
45-49 years	216	126	90	25.09	30.99	19.81
50-54 years	182	114	68	19.91	26.80	13.91
55-59 years	165	91	74	20.95	25.29	17.31
60-64 years	102	60	42	16.45	21.62	12.26
65-69 years	52	33	19	11.20	16.06	7.34
70-74 years	28	19	9	8.65	13.29	4.98
75-79 years	13	10	3	5.69	10.18	2.30
80-84 years	3	3	0	2.06	5.18	0.00
85 years +	—*	—*	—*	—*	—*	—*
<b>Crude Total (All)</b>	<b>1,222</b>	<b>703</b>	<b>519</b>	<b>7.83</b>	<b>9.42</b>	<b>6.38</b>
<i>Age-adjusted (All)</i>				<i>9.07</i>	<i>11.22</i>	<i>7.16</i>
<b>Crude Total (40+)</b>				<b>17.16</b>	<b>22.04</b>	<b>13.08</b>
<i>Age-adjusted (40+)</i>				<i>16.33</i>	<i>21.35</i>	<i>12.20</i>

—\* Represents zero.

### 1C. Outpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 92.49 encounters, and the AI/AN age-adjusted rate was 107.06 encounters. For AI/AN age group 40 and over, the crude rate was 221.81 encounters and the age-adjusted rate was 207.59 encounters. The AI/AN age-adjusted male rate was 130.35 encounters, and for females was 86.47 encounters. For AI/AN age group 40 and over, the age-adjusted rate for males was 268.04 encounters and for females 158.19 encounters. The AI/AN male outpatient visit rate peaked at 388.66 encounters for age group 45-49 years.

**CHART 1C** Outpatient Encounters with Alcohol-Related Liver Diseases and Cirrhosis Rates by Age and Sex  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 1C** Outpatient Encounters with Alcohol-Related Liver Diseases and Cirrhosis by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	2	2	0	0.70	1.40	0.00
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	—*	—*	—*	—*	—*	—*
15-17 years	—*	—*	—*	—*	—*	—*
18-19 years	3	3	0	0.58	1.18	0.00
20-24 years	84	57	27	6.00	8.59	3.67
25-29 years	392	209	183	29.69	33.54	26.25
30-34 years	910	502	408	78.56	91.26	67.07
35-39 years	1,157	608	549	121.42	133.73	110.19
40-44 years	1,455	885	570	164.95	212.19	122.57
45-49 years	2,635	1,580	1,055	306.12	388.66	232.26
50-54 years	2,464	1,462	1,002	269.51	343.67	204.97
55-59 years	2,373	1,268	1,105	301.35	352.39	258.41
60-64 years	1,508	823	685	243.16	296.61	199.88
65-69 years	731	350	381	157.45	170.34	147.22
70-74 years	527	327	200	162.78	228.78	110.61
75-79 years	157	86	71	68.70	87.59	54.48
80-84 years	30	27	3	20.60	46.65	3.42
85 years +	2	1	1	1.54	2.18	1.19
<b>Crude Total (All)</b>	<b>14,430</b>	<b>8,190</b>	<b>6,240</b>	<b>92.49</b>	<b>109.76</b>	<b>76.65</b>
<i>Age-adjusted (All)</i>				<i>107.06</i>	<i>130.35</i>	<i>86.47</i>
<b>Crude Total (40+)</b>				<b>221.81</b>	<b>279.44</b>	<b>173.72</b>
<i>Age-adjusted (40+)</i>				<i>207.59</i>	<i>268.04</i>	<i>158.19</i>

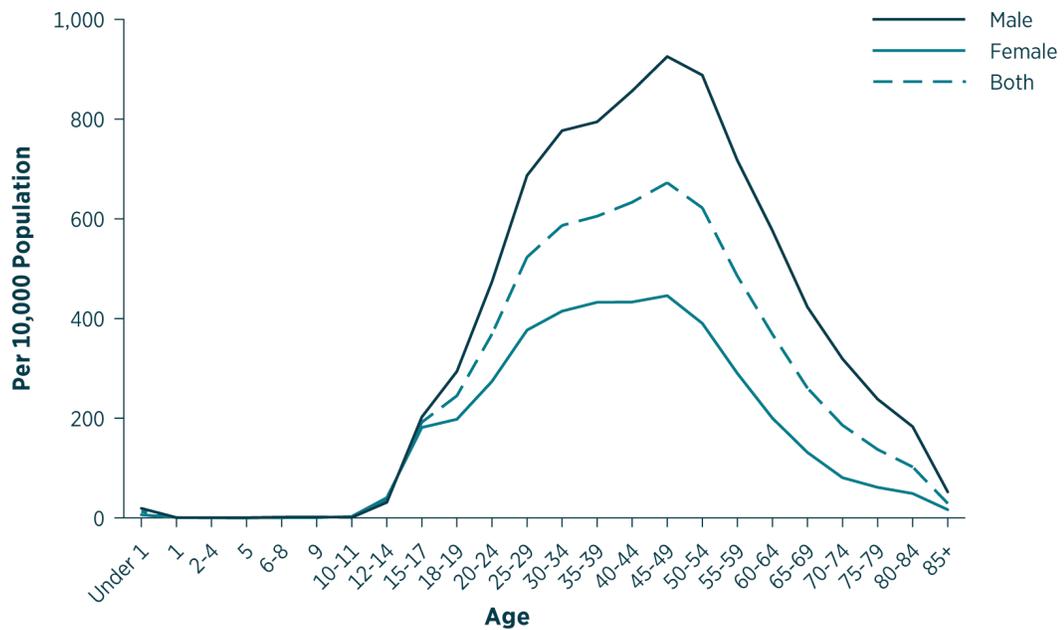
—\* Represents zero.

## 1.2 ALCOHOL-INDUCED MENTAL DISORDER DIAGNOSIS

### 2A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 341.28 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 364.05 persons. For AI/AN age group 40 and over, the crude prevalence rate was 475.57 persons and the age-adjusted diagnostic prevalence rate was 459.99 persons. The AI/AN age-adjusted male diagnostic prevalence rate was 500.06 persons, and for females was 244.22 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for males was 684.53 persons and for females 277.32 persons. The AI/AN male crude diagnostic prevalence rate peaked at 925.39 persons for age group 45-49 years.

**CHART 2A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Alcohol Use/Alcohol-Induced Mental Disorder Rates by Age and Sex  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



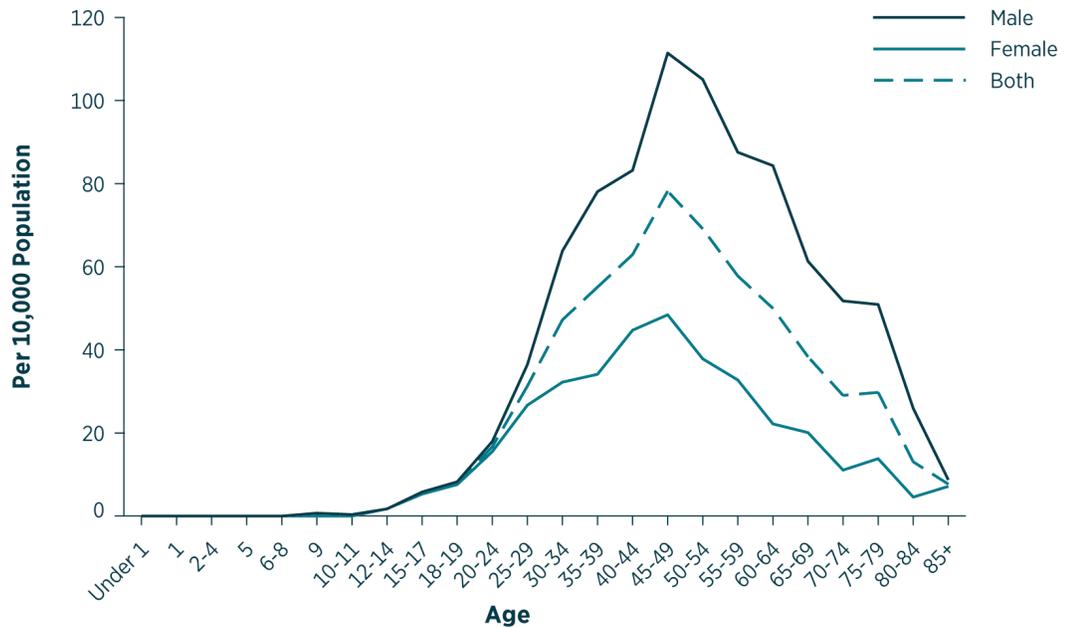
**TABLE 2A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Alcohol-Induced Mental Disorder by Age and SexAmerican Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	25	19	6	13.06	19.25	6.47
1 year	2	1	1	0.83	0.80	0.86
2-4 years	3	2	1	0.36	0.48	0.25
5 years	1	1	0	0.34	0.66	0.00
6-8 years	10	8	2	1.11	1.74	0.45
9 years	4	3	1	1.40	2.09	0.70
10-11 years	11	3	8	2.01	1.08	2.96
12-14 years	290	127	163	35.89	31.24	40.59
15-17 years	1,525	804	721	191.97	202.50	181.46
18-19 years	1,271	749	522	245.11	293.91	197.95
20-24 years	5,161	3,145	2,016	368.71	473.79	273.94
25-29 years	6,906	4,280	2,626	523.11	686.89	376.71
30-34 years	6,796	4,273	2,523	586.68	776.77	414.77
35-39 years	5,767	3,612	2,155	605.22	794.47	432.52
40-44 years	5,586	3,572	2,014	633.25	856.45	433.08
45-49 years	5,787	3,762	2,025	672.31	925.39	445.80
50-54 years	5,686	3,778	1,908	621.92	888.08	390.30
55-59 years	3,820	2,580	1,240	485.11	717.01	289.98
60-64 years	2,285	1,599	686	368.45	576.28	200.18
65-69 years	1,209	869	340	260.41	422.93	131.38
70-74 years	602	456	146	185.95	319.04	80.75
75-79 years	314	234	80	137.41	238.31	61.38
80-84 years	149	106	43	102.32	183.14	49.01
85 years +	38	24	14	29.23	52.26	16.65
<b>Crude Total (All)</b>	<b>53,248</b>	<b>34,007</b>	<b>19,241</b>	<b>341.28</b>	<b>455.77</b>	<b>236.36</b>
<i>Age-adjusted (All)</i>				<i>364.05</i>	<i>500.06</i>	<i>244.22</i>
<b>Crude Total (40+)</b>				<b>475.57</b>	<b>696.84</b>	<b>290.94</b>
<i>Age-adjusted (40+)</i>				<i>459.99</i>	<i>684.53</i>	<i>277.32</i>

## 2B. Inpatient encounters

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 30.85 encounters, and the AI/AN age-adjusted rate was 34.74 encounters. For AI/AN age group 40 and over, the crude rate was 55.89 encounters and the age-adjusted rate was 54.04 encounters. The AI/AN age-adjusted male rate was 49.23 encounters, and for females was 21.90 encounters. For AI/AN age group 40 and over, the age-adjusted rate for males was 82.80 encounters and for females 30.60 encounters. The AI/AN male encounter rate peaked at 111.43 encounters for age group 45-49 years.

**CHART 2B** Inpatient Encounters with Alcohol Use/Alcohol-Induced Mental Disorder Rates by Age and Sex  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 2B** Inpatient Encounters with Alcohol Use/Alcohol-Induced Mental Disorder by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

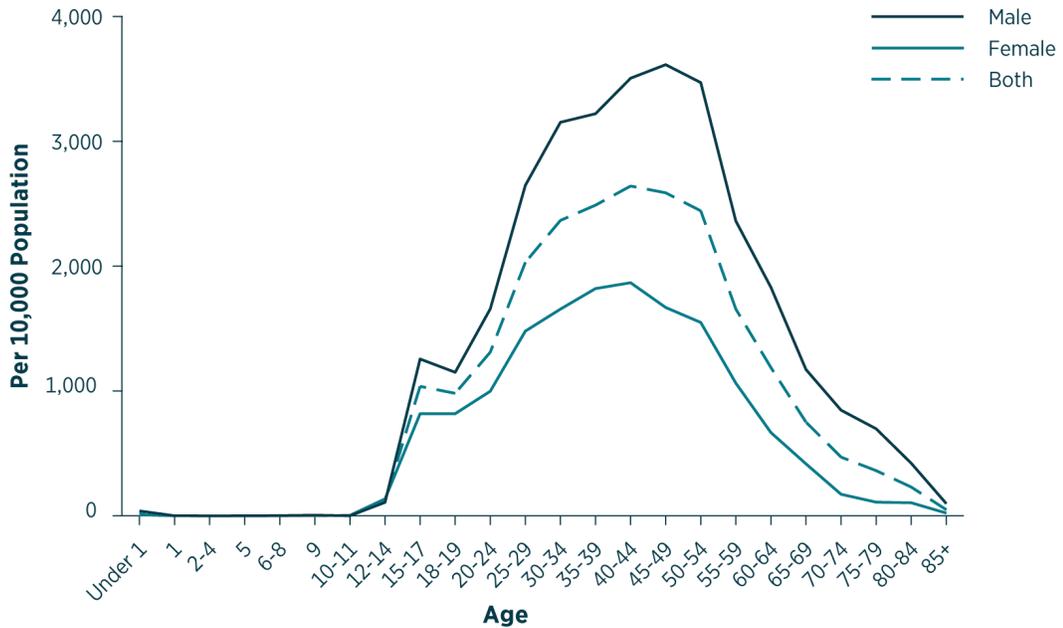
Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	1	1	0	0.35	0.70	0.00
10-11 years	1	1	0	0.18	0.36	0.00
12-14 years	14	7	7	1.73	1.72	1.74
15-17 years	44	23	21	5.54	5.79	5.29
18-19 years	41	21	20	7.91	8.24	7.58
20-24 years	233	119	114	16.65	17.93	15.49
25-29 years	413	227	186	31.28	36.43	26.68
30-34 years	547	351	196	47.22	63.81	32.22
35-39 years	525	355	170	55.10	78.08	34.12
40-44 years	555	347	208	62.92	83.20	44.73
45-49 years	673	453	220	78.19	111.43	48.43
50-54 years	632	447	185	69.13	105.08	37.84
55-59 years	455	315	140	57.78	87.54	32.74
60-64 years	310	234	76	49.99	84.33	22.18
65-69 years	178	126	52	38.34	61.32	20.09
70-74 years	94	74	20	29.04	51.77	11.06
75-79 years	68	50	18	29.76	50.92	13.81
80-84 years	19	15	4	13.05	25.92	4.56
85 years +	10	4	6	7.69	8.71	7.14
<b>Crude Total (All)</b>	<b>4,813</b>	<b>3,170</b>	<b>1,643</b>	<b>30.85</b>	<b>42.48</b>	<b>20.18</b>
<i>Age-adjusted (All)</i>				<i>34.74</i>	<i>49.23</i>	<i>21.90</i>
<b>Crude Total (40+)</b>				<b>55.89</b>	<b>84.75</b>	<b>31.81</b>
<i>Age-adjusted (40+)</i>				<i>54.04</i>	<i>82.80</i>	<i>30.60</i>

—\* Represents zero.

## 2C. Outpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 1,315.56 encounters, and the AI/AN age-adjusted rate was 1,404.09 encounters. For AI/AN age group 40 and over, the crude rate was 1,765.20 encounters and the age-adjusted rate was 1,714.41 encounters. The AI/AN age-adjusted male rate was 1,914.59 encounters, and for females was 954.36 encounters. For AI/AN age group 40 and over, the age-adjusted rate for males was 2,525.65 encounters and for females 1,055.02 encounters. The AI/AN male outpatient encounter rate peaked at 3,613.76 encounters for age group 45-49 years.

**CHART 2C** Outpatient Encounters with Alcohol Use/Alcohol-Induced Mental Disorder Rates by Age and Sex  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 2C** Outpatient Encounters with Alcohol Use/Alcohol-Induced Mental Disorder by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	47	39	8	24.55	39.52	8.62
1 year	2	1	1	0.83	0.80	0.86
2-4 years	3	2	1	0.36	0.48	0.25
5 years	1	1	0	0.34	0.66	0.00
6-8 years	15	11	4	1.66	2.40	0.90
9 years	9	8	1	3.14	5.58	0.70
10-11 years	14	3	11	2.56	1.08	4.07
12-14 years	986	440	546	122.03	108.25	135.98
15-17 years	8,240	4,988	3,252	1,037.29	1,256.30	818.44
18-19 years	5,089	2,931	2,158	981.41	1,150.13	818.35
20-24 years	18,352	11,005	7,347	1,311.11	1,657.90	998.32
25-29 years	26,811	16,495	10,316	2,030.84	2,647.25	1,479.87
30-34 years	27,414	17,341	10,073	2,366.56	3,152.34	1,655.95
35-39 years	23,713	14,643	9,070	2,488.56	3,220.79	1,820.41
40-44 years	23,303	14,619	8,684	2,641.73	3,505.17	1,867.37
45-49 years	22,273	14,691	7,582	2,587.57	3,613.76	1,669.16
50-54 years	22,336	14,763	7,573	2,443.07	3,470.30	1,549.15
55-59 years	13,044	8,498	4,546	1,656.49	2,361.67	1,063.09
60-64 years	7,367	5,080	2,287	1,187.90	1,830.83	667.35
65-69 years	3,486	2,408	1,078	750.87	1,171.95	416.55
70-74 years	1,523	1,210	313	470.44	846.57	173.11
75-79 years	828	685	143	362.33	697.63	109.72
80-84 years	336	244	92	230.74	421.56	104.86
85 years +	64	45	19	49.23	98.00	22.60
<b>Crude Total (All)</b>	<b>205,256</b>	<b>130,151</b>	<b>75,105</b>	<b>1,315.56</b>	<b>1,744.30</b>	<b>922.59</b>
<i>Age-adjusted (All)</i>				<i>1,404.09</i>	<i>1,914.59</i>	<i>954.36</i>
<b>Crude Total (40+)</b>				<b>1,765.20</b>	<b>2,554.40</b>	<b>1,106.67</b>
<i>Age-adjusted (40+)</i>				<i>1,714.41</i>	<i>2,525.65</i>	<i>1,055.02</i>

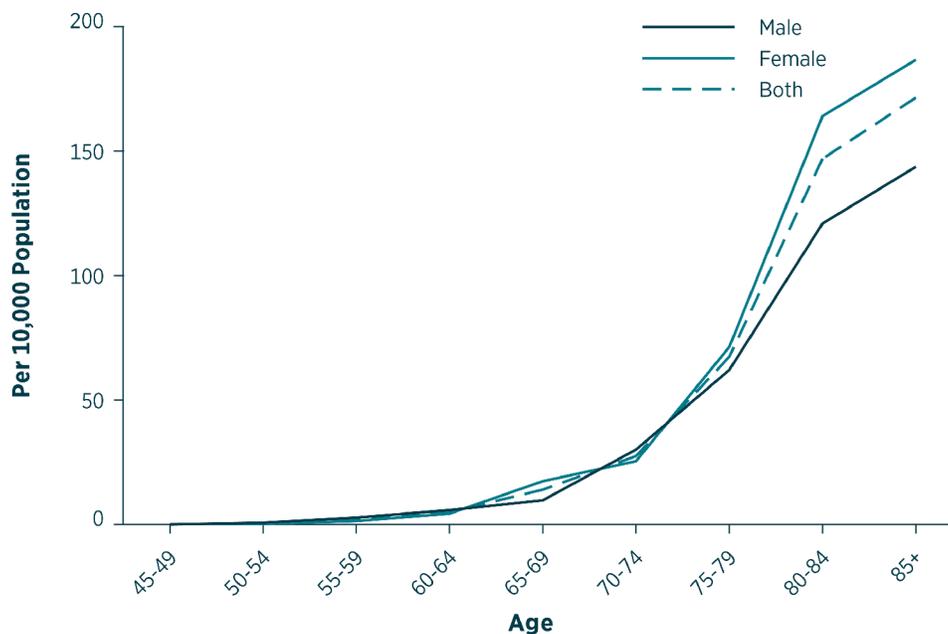
## 1.3 ALZHEIMER'S DISEASE

### 3A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 5.11 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 8.78 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 14.88 persons and the age-adjusted diagnostic prevalence rate was 20.41 persons. The AI/AN age-adjusted female diagnostic prevalence rate was 11.58 persons, and for males was 5.98 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for females was 25.75 persons and for males 14.59 persons. The AI/AN female crude diagnostic prevalence rate peaked at 186.73 persons for age group 85 and over. These rates appear quite low compared to the general population and may not reflect the degree of this problem among all U.S. AI/AN.

**CHART 3A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Alzheimer's Disease Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 3A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Alzheimer's Disease by Age and SexAmerican Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

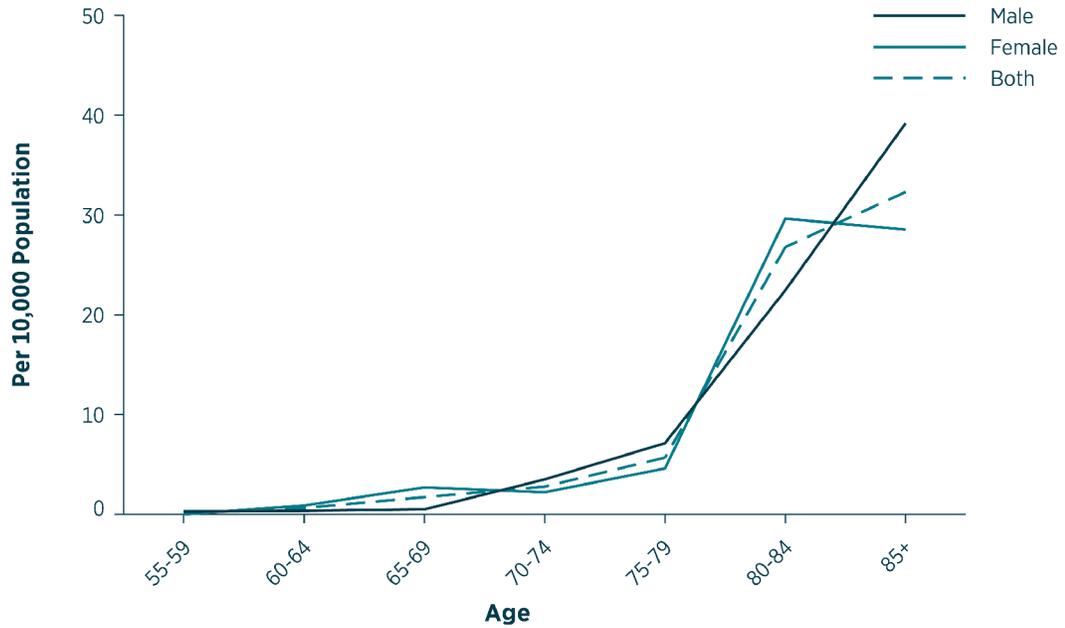
Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	—*	—*	—*	—*	—*	—*
15-17 years	—*	—*	—*	—*	—*	—*
18-19 years	—*	—*	—*	—*	—*	—*
20-24 years	—*	—*	—*	—*	—*	—*
25-29 years	—*	—*	—*	—*	—*	—*
30-34 years	—*	—*	—*	—*	—*	—*
35-39 years	—*	—*	—*	—*	—*	—*
40-44 years	—*	—*	—*	—*	—*	—*
45-49 years	1	0	1	0.12	0.00	0.22
50-54 years	4	3	1	0.44	0.71	0.20
55-59 years	16	10	6	2.03	2.78	1.40
60-64 years	31	16	15	5.00	5.77	4.38
65-69 years	65	20	45	14.00	9.73	17.39
70-74 years	89	43	46	27.49	30.08	25.44
75-79 years	154	61	93	67.39	62.12	71.36
80-84 years	214	70	144	146.96	120.94	164.12
85 years +	223	66	157	171.54	143.73	186.73
<b>Crude Total (All)</b>	<b>797</b>	<b>289</b>	<b>508</b>	<b>5.11</b>	<b>3.87</b>	<b>6.24</b>
<i>Age-adjusted (All)</i>				<i>8.78</i>	<i>5.98</i>	<i>11.58</i>
<b>Crude Total (40+)</b>				<b>14.88</b>	<b>11.86</b>	<b>17.40</b>
<i>Age-adjusted (40+)</i>				<i>20.41</i>	<i>14.59</i>	<i>25.75</i>

—\* Represents zero.

### 3B. Inpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 0.74 encounters, and the AI/AN age-adjusted rate was 1.31 encounters. For AI/AN age group 40 and over, the crude rate was 2.17 encounters and the age-adjusted rate was 3.05 encounters. The AI/AN age-adjusted female rate was 1.61 encounters, and for males was 0.98 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 3.58 encounters and for males 2.38 encounters. The AI/AN male inpatient encounter rate peaked at 39.20 encounters for age group 85 and over.

**CHART 3B** Inpatient Encounters with Alzheimer's Disease by Age and Sex  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 3B** Inpatient Encounters with Alzheimer’s Disease by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

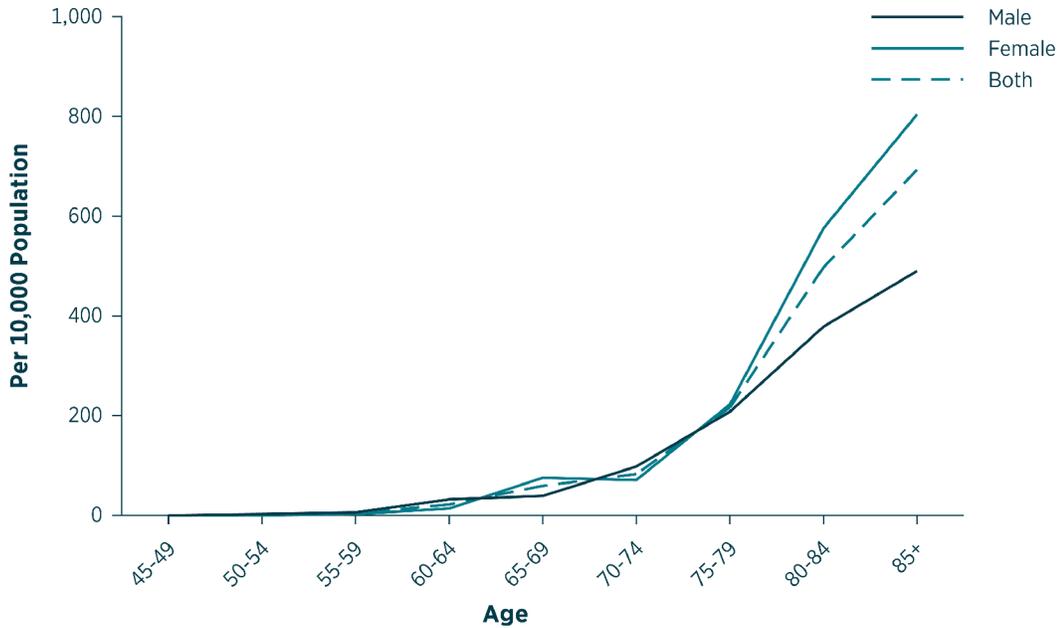
Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	—*	—*	—*	—*	—*	—*
15-17 years	—*	—*	—*	—*	—*	—*
18-19 years	—*	—*	—*	—*	—*	—*
20-24 years	—*	—*	—*	—*	—*	—*
25-29 years	—*	—*	—*	—*	—*	—*
30-34 years	—*	—*	—*	—*	—*	—*
35-39 years	—*	—*	—*	—*	—*	—*
40-44 years	—*	—*	—*	—*	—*	—*
45-49 years	—*	—*	—*	—*	—*	—*
50-54 years	—*	—*	—*	—*	—*	—*
55-59 years	1	1	0	0.13	0.28	0.00
60-64 years	4	1	3	0.64	0.36	0.88
65-69 years	8	1	7	1.72	0.49	2.70
70-74 years	9	5	4	2.78	3.50	2.21
75-79 years	13	7	6	5.69	7.13	4.60
80-84 years	39	13	26	26.78	22.46	29.63
85 years +	42	18	24	32.31	39.20	28.54
<b>Crude Total (All)</b>	<b>116</b>	<b>46</b>	<b>70</b>	<b>0.74</b>	<b>0.62</b>	<b>0.86</b>
<i>Age-adjusted (All)</i>				<i>1.31</i>	<i>0.98</i>	<i>1.61</i>
<b>Crude Total (40+)</b>				<b>2.17</b>	<b>1.89</b>	<b>2.40</b>
<i>Age-adjusted (40+)</i>				<i>3.05</i>	<i>2.38</i>	<i>3.58</i>

—\* Represents zero.

### 3C. Outpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 18.22 encounters, and the AI/AN age-adjusted rate was 31.25 encounters. For AI/AN age group 40 and over, the crude rate was 53.07 encounters and the age-adjusted rate was 72.63 encounters. The AI/AN age-adjusted female rate was 42.60 encounters, and for males was 20.19 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 94.73 encounters and for males was 49.25 encounters. The AI/AN female outpatient encounter rate peaked at 804.00 encounters for age group 85 and over.

**CHART 3C** Outpatient Encounters with Alzheimer's Disease by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 3C** Outpatient Encounters with Alzheimer’s Disease by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	—*	—*	—*	—*	—*	—*
15-17 years	—*	—*	—*	—*	—*	—*
18-19 years	—*	—*	—*	—*	—*	—*
20-24 years	—*	—*	—*	—*	—*	—*
25-29 years	—*	—*	—*	—*	—*	—*
30-34 years	—*	—*	—*	—*	—*	—*
35-39 years	—*	—*	—*	—*	—*	—*
40-44 years	—*	—*	—*	—*	—*	—*
45-49 years	1	0	1	0.12	0.00	0.22
50-54 years	12	11	1	1.31	2.59	0.20
55-59 years	32	21	11	4.06	5.84	2.57
60-64 years	136	89	47	21.93	32.08	13.71
65-69 years	275	80	195	59.23	38.94	75.35
70-74 years	268	140	128	82.78	97.95	70.79
75-79 years	494	204	290	216.17	207.76	222.51
80-84 years	724	219	505	497.18	378.37	575.56
85 years +	901	225	676	693.08	489.98	804.00
<b>Crude Total (All)</b>	<b>2,843</b>	<b>989</b>	<b>1,854</b>	<b>18.22</b>	<b>13.25</b>	<b>22.77</b>
<i>Age-adjusted (All)</i>				<i>31.25</i>	<i>20.19</i>	<i>42.60</i>
<b>Crude Total (40+)</b>				<b>53.07</b>	<b>40.59</b>	<b>63.49</b>
<i>Age-adjusted (40+)</i>				<i>72.63</i>	<i>49.25</i>	<i>94.73</i>

—\* Represents zero.

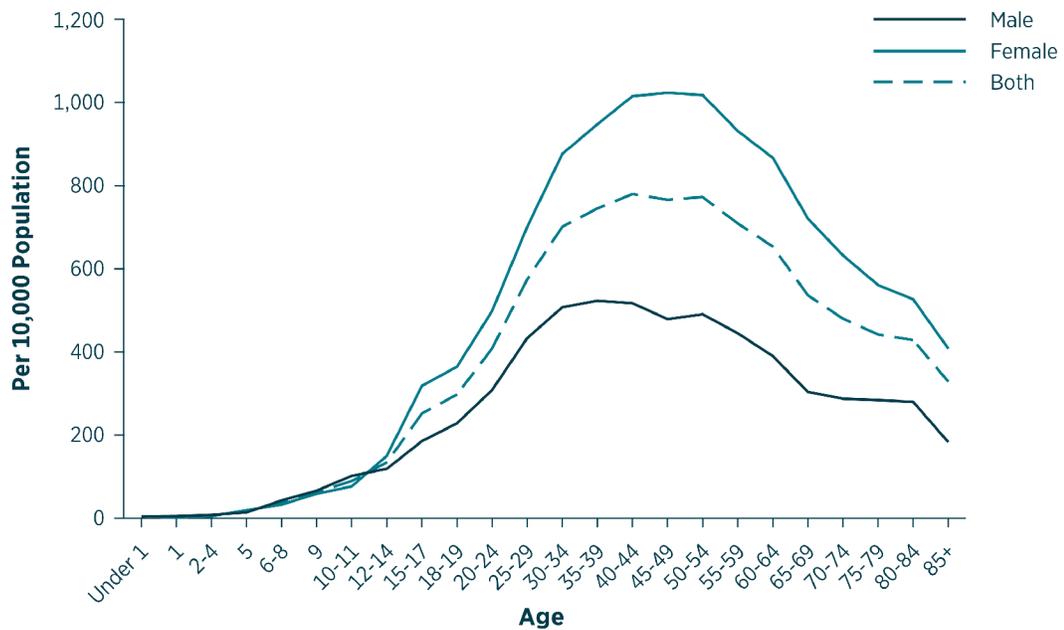
## 1.4 ANXIETY DISORDER

### 4A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 452.22 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 490.89 persons. For AI/AN age group under 19, the crude diagnostic prevalence rate was 106.39 persons and the age-adjusted diagnostic prevalence rate was 108.65 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 677.20 persons and the age-adjusted diagnostic prevalence rate was 663.54 persons. The AI/AN age-adjusted female diagnostic prevalence rate was 632.57 persons, and for males was 331.30 persons. For AI/AN age group under 19, the AI/AN age-adjusted diagnostic prevalence rate for females was 125.30 persons and for males 91.71 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for females was 857.42 persons and for males 424.92 persons. The AI/AN female crude diagnostic prevalence rate peaked at 1,023.25 persons for age group 45-49 years.

**CHART 4A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Anxiety Disorder Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 4A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Anxiety Disorder by Age and Sex

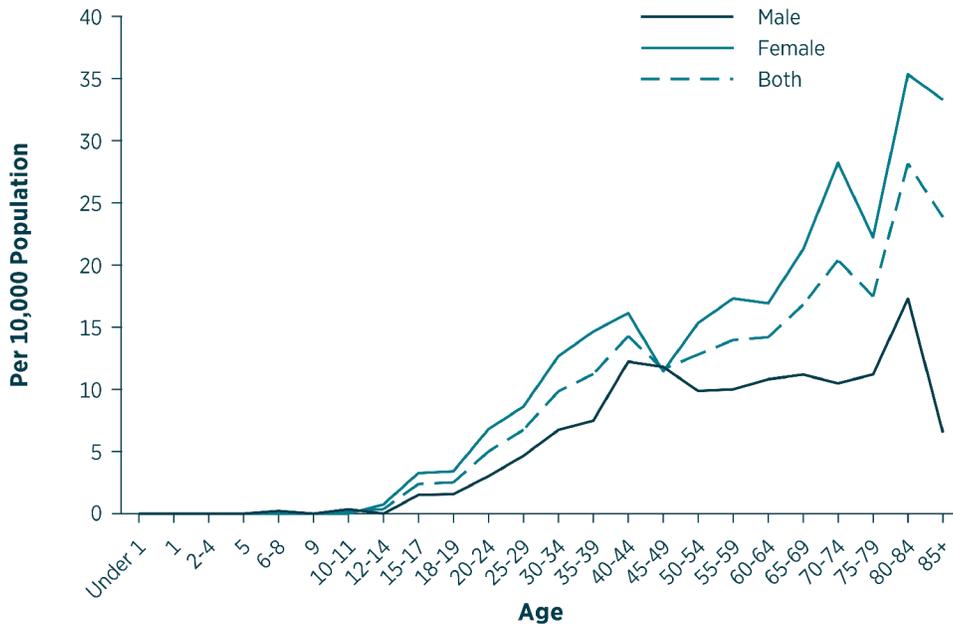
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	8	4	4	4.18	4.05	4.31
1 year	8	6	2	3.32	4.82	1.72
2-4 years	54	33	21	6.55	7.86	5.19
5 years	49	21	28	16.42	13.84	19.08
6-8 years	342	196	146	37.82	42.68	32.80
9 years	179	95	84	62.53	66.29	58.77
10-11 years	490	283	207	89.45	101.96	76.60
12-14 years	1,086	483	603	134.40	118.83	150.17
15-17 years	2,001	736	1,265	251.89	185.37	318.37
18-19 years	1,543	582	961	297.57	228.38	364.43
20-24 years	5,715	2,047	3,668	408.29	308.38	498.41
25-29 years	7,584	2,699	4,885	574.46	433.16	700.77
30-34 years	8,121	2,791	5,330	701.06	507.36	876.23
35-39 years	7,100	2,379	4,721	745.11	523.27	947.54
40-44 years	6,878	2,157	4,721	779.72	517.18	1,015.18
45-49 years	6,595	1,947	4,648	766.17	478.93	1,023.25
50-54 years	7,063	2,087	4,976	772.54	490.59	1,017.90
55-59 years	5,584	1,601	3,983	709.12	444.93	931.43
60-64 years	4,053	1,082	2,971	653.53	389.95	866.94
65-69 years	2,489	624	1,865	536.12	303.69	720.66
70-74 years	1,554	411	1,143	480.01	287.55	632.16
75-79 years	1,010	279	731	441.97	284.14	560.88
80-84 years	624	162	462	428.51	279.89	526.56
85 years +	427	84	343	328.46	182.93	407.94
<b>Crude Total (All)</b>	<b>70,557</b>	<b>22,789</b>	<b>47,768</b>	<b>452.22</b>	<b>305.42</b>	<b>586.78</b>
<i>Age-adjusted (All)</i>				<i>490.89</i>	<i>331.30</i>	<i>632.57</i>
<b>Crude Total (Under 19)</b>				<b>106.39</b>	<b>89.24</b>	<b>123.87</b>
<i>Age-adjusted (Under 19)</i>				<i>108.65</i>	<i>91.71</i>	<i>125.30</i>
<b>Crude Total (40+)</b>				<b>677.20</b>	<b>428.20</b>	<b>884.97</b>
<i>Age-adjusted (40+)</i>				<i>663.54</i>	<i>424.92</i>	<i>857.42</i>

#### 4B. Inpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 7.78 encounters, and the AI/AN age-adjusted rate was 9.18 encounters. For AI/AN age group under 19, the crude rate was 0.68 encounters and the age-adjusted rate was 0.70 encounters. For AI/AN age group 40 and over, the crude rate was 14.88 encounters and the age-adjusted rate was 15.35 encounters. The AI/AN age-adjusted female rate was 11.82 encounters, and for males was 6.34 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 0.95 encounters and for males 0.46 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 18.99 encounters and for males 11.19 encounters. The AI/AN female inpatient visit rate peaked at 35.33 inpatient encounters for age group 80-84 years.

**CHART 4B** Inpatient Encounters with Anxiety Disorder by Age and Sex  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 4B** Inpatient Encounters with Anxiety Disorder by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	1	1	0	0.11	0.22	0.00
9 years	—*	—*	—*	—*	—*	—*
10-11 years	1	1	0	0.18	0.36	0.00
12-14 years	3	0	3	0.37	0.00	0.75
15-17 years	19	6	13	2.39	1.51	3.27
18-19 years	13	4	9	2.51	1.57	3.41
20-24 years	70	20	50	5.00	3.01	6.79
25-29 years	89	29	60	6.74	4.65	8.61
30-34 years	114	37	77	9.84	6.73	12.66
35-39 years	107	34	73	11.23	7.48	14.65
40-44 years	126	51	75	14.28	12.23	16.13
45-49 years	100	48	52	11.62	11.81	11.45
50-54 years	117	42	75	12.80	9.87	15.34
55-59 years	110	36	74	13.97	10.00	17.31
60-64 years	88	30	58	14.19	10.81	16.92
65-69 years	78	23	55	16.80	11.19	21.25
70-74 years	66	15	51	20.39	10.49	28.21
75-79 years	40	11	29	17.50	11.20	22.25
80-84 years	41	10	31	28.16	17.28	35.33
85 years +	31	3	28	23.85	6.53	33.30
<b>Crude Total (All)</b>	<b>1,214</b>	<b>401</b>	<b>813</b>	<b>7.78</b>	<b>5.37</b>	<b>9.99</b>
<i>Age-adjusted (All)</i>				<i>9.18</i>	<i>6.34</i>	<i>11.82</i>
<b>Crude Total (Under 19)</b>				<b>0.68</b>	<b>0.44</b>	<b>0.93</b>
<i>Age-adjusted (Under 19)</i>				<i>0.70</i>	<i>0.46</i>	<i>0.95</i>
<b>Crude Total (40+)</b>				<b>14.88</b>	<b>11.04</b>	<b>18.08</b>
<i>Age-adjusted (40+)</i>				<i>15.35</i>	<i>11.19</i>	<i>18.99</i>

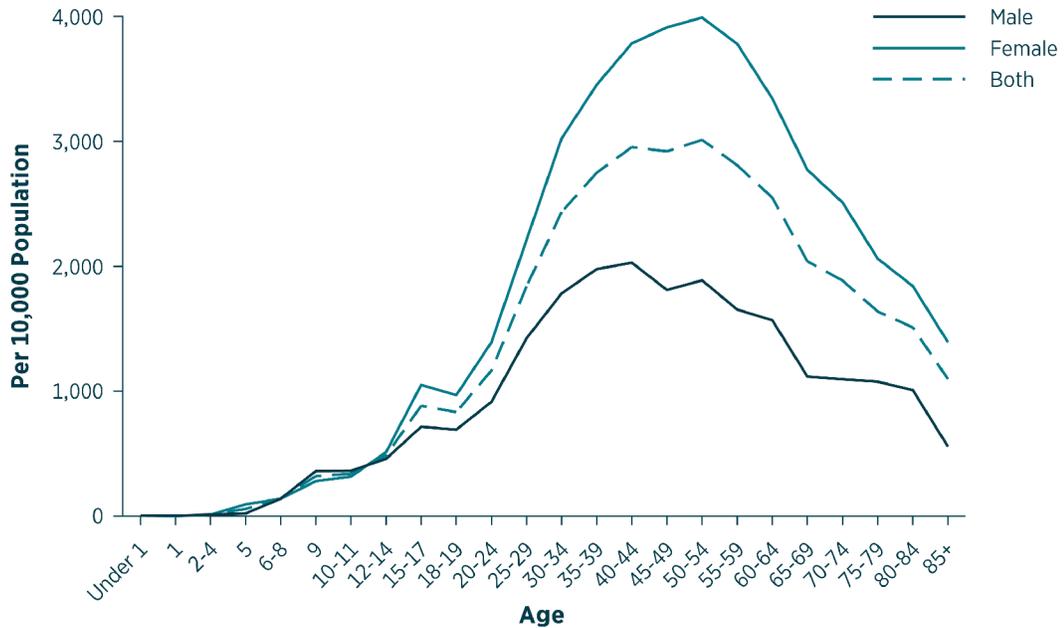
—\* Represents zero.

#### 4C. Outpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 1,629.04 encounters, and the AI/AN age-adjusted rate was 1,791.05 encounters. For AI/AN age group under 19, the crude rate was 361.54 encounters and the age-adjusted rate was 368.24 encounters. For AI/AN age group 40 and over, the crude rate was 2,606.06 encounters and the age-adjusted rate was 2,542.99 encounters. The AI/AN age-adjusted female rate for was 2,304.61 encounters, and for males was 1,213.34 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 407.91 encounters and for males 328.04 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 3,287.92 encounters and for males 1,625.25 encounters. The AI/AN female outpatient encounter rate peaked at 3,991.00 encounters for age group 50-54 years.

**CHART 4C** Outpatient Encounters with Anxiety Disorder by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 4C** Outpatient Encounters with Anxiety Disorder by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

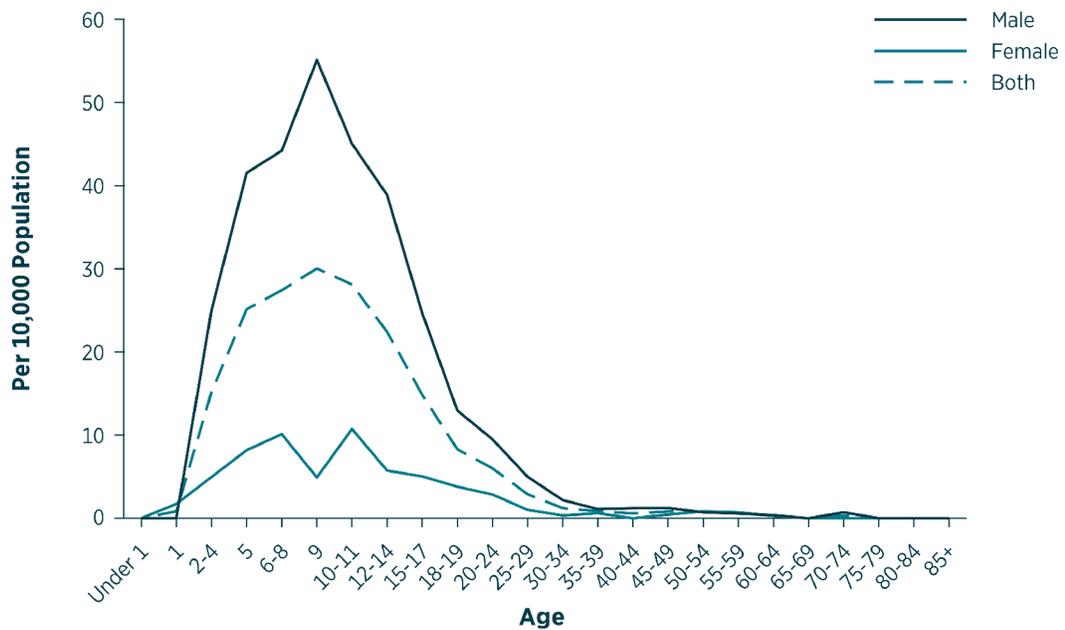
Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	8	4	4	4.18	4.05	4.31
1 year	8	6	2	3.32	4.82	1.72
2-4 years	93	51	42	11.28	12.15	10.39
5 years	171	32	139	57.30	21.09	94.73
6-8 years	1,260	642	618	139.33	139.79	138.85
9 years	917	517	400	320.36	360.73	279.88
10-11 years	1,861	1,006	855	339.73	362.44	316.41
12-14 years	3,922	1,865	2,057	485.39	458.83	512.28
15-17 years	7,016	2,841	4,175	883.20	715.55	1,050.74
18-19 years	4,318	1,764	2,554	832.72	692.20	968.52
20-24 years	16,311	6,071	10,240	1,165.30	914.60	1,391.42
25-29 years	24,279	8,868	15,411	1,839.05	1,423.21	2,210.76
30-34 years	28,201	9,808	18,393	2,434.50	1,782.95	3,023.72
35-39 years	26,197	8,991	17,206	2,749.24	1,977.61	3,453.36
40-44 years	26,059	8,461	17,598	2,954.17	2,028.68	3,784.19
45-49 years	25,134	7,361	17,773	2,919.94	1,810.69	3,912.69
50-54 years	27,540	8,030	19,510	3,012.27	1,887.59	3,991.00
55-59 years	22,117	5,950	16,167	2,808.69	1,653.56	3,780.69
60-64 years	15,809	4,351	11,458	2,549.14	1,568.10	3,343.45
65-69 years	9,468	2,295	7,173	2,039.37	1,116.95	2,771.75
70-74 years	6,106	1,566	4,540	1,886.08	1,095.64	2,510.92
75-79 years	3,744	1,057	2,687	1,638.37	1,076.48	2,061.69
80-84 years	2,200	584	1,616	1,510.78	1,008.98	1,841.81
85 years +	1,427	256	1,171	1,097.69	557.49	1,392.72
<b>Crude Total (All)</b>	<b>254,166</b>	<b>82,377</b>	<b>171,789</b>	<b>1,629.04</b>	<b>1,104.03</b>	<b>2,110.25</b>
<i>Age-adjusted (All)</i>				<i>1,791.05</i>	<i>1,213.34</i>	<i>2,304.61</i>
<b>Crude Total (Under 19)</b>				<b>361.54</b>	<b>319.33</b>	<b>404.56</b>
<i>Age-adjusted (Under 19)</i>				<i>368.24</i>	<i>328.04</i>	<i>407.91</i>
<b>Crude Total (40+)</b>				<b>2,606.06</b>	<b>1,637.91</b>	<b>3,413.91</b>
<i>Age-adjusted (40+)</i>				<i>2,542.99</i>	<i>1,625.25</i>	<i>3,287.92</i>

## 1.5 AUTISM-LESS SEVERE

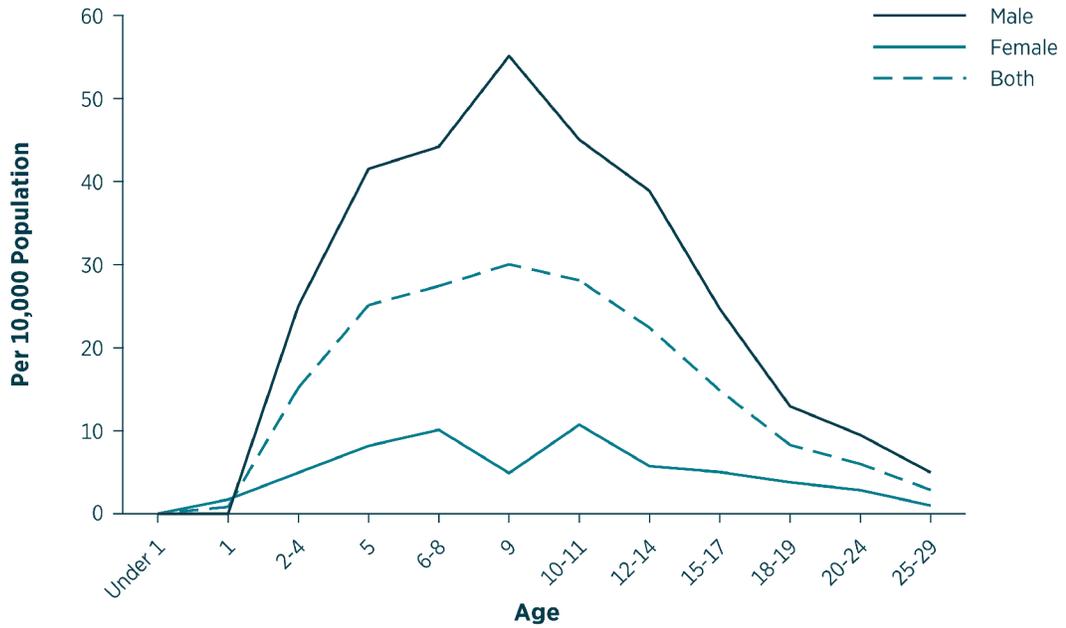
### 5A.1-5A.3 Diagnostic Prevalence (Three Charts)

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 7.71 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 6.27 persons. For AI/AN age group under 19, the crude diagnostic prevalence rate was 19.06 persons and the age-adjusted diagnostic prevalence rate was 18.57 persons. For AI/AN age group 40 and over, the crude rate was 0.50 encounters and the age-adjusted rate was 0.48 encounters. The AI/AN age-adjusted male diagnostic prevalence rate was 10.79 persons, and for females was 2.12 persons. For AI/AN age group under 19, the AI/AN age-adjusted diagnostic prevalence rate for males was 30.83 persons and for females 6.10 persons. For AI/AN age group 40 and over, the age-adjusted rate for males was 0.71 encounters and for females 0.29 encounters. The AI/AN male crude diagnostic prevalence rate peaked at 55.12 persons for age group 9 years. These rates appear quite low compared to the general population and may not reflect the degree of this problem among all U.S. American Indians and Alaska Natives.

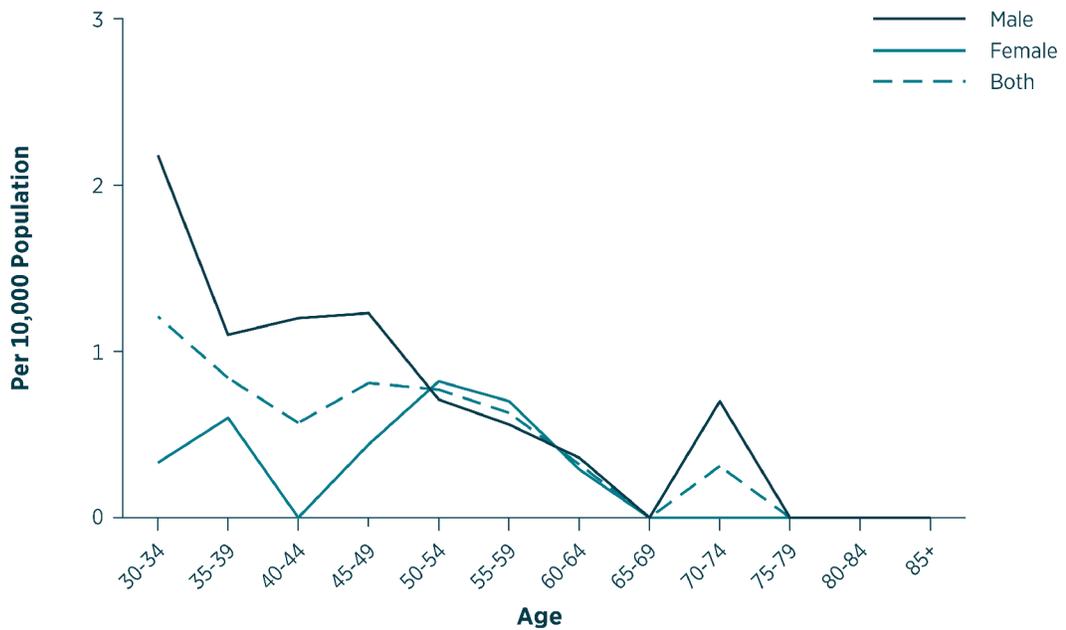
**CHART 5A.1** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Autism-Less Severe Rates by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**CHART 5A.2** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Autism—Less Severe Rates by Age and Sex (Under 1 to 29 years of Age)  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**CHART 5A.3** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Autism—Less Severe Rates by Age and Sex (Age 30 to 85 years and Older)  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 5A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Autism—Less Severe by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

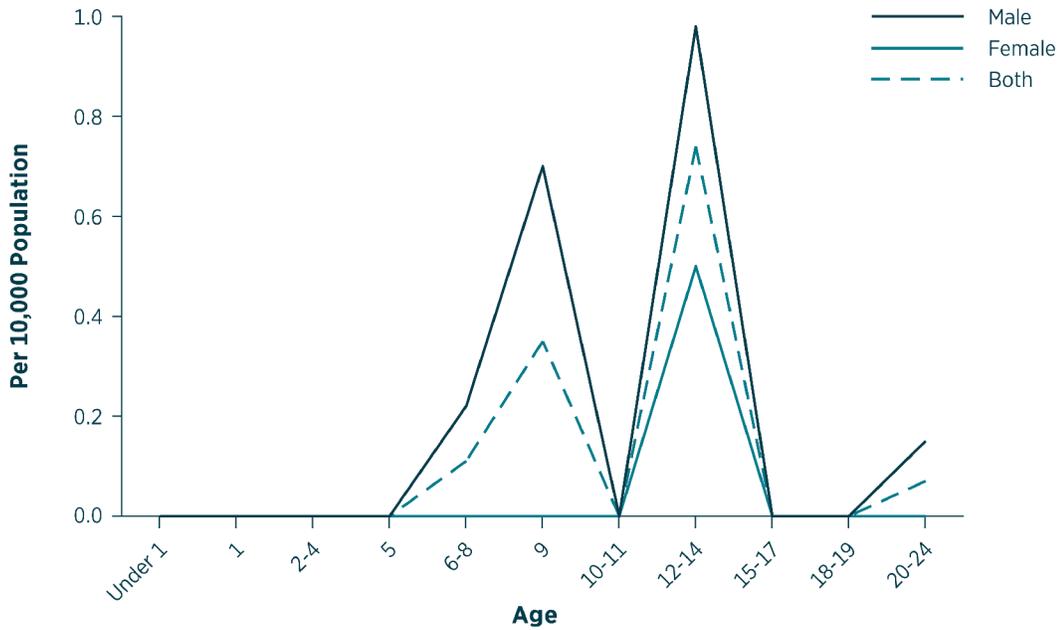
Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	2	0	2	0.83	0.00	1.72
2-4 years	125	105	20	15.17	25.01	4.95
5 years	75	63	12	25.13	41.53	8.18
6-8 years	248	203	45	27.42	44.20	10.11
9 years	86	79	7	30.04	55.12	4.90
10-11 years	154	125	29	28.11	45.04	10.73
12-14 years	181	158	23	22.40	38.87	5.73
15-17 years	118	98	20	14.85	24.68	5.03
18-19 years	43	33	10	8.29	12.95	3.79
20-24 years	84	63	21	6.00	9.49	2.85
25-29 years	38	31	7	2.88	4.98	1.00
30-34 years	14	12	2	1.21	2.18	0.33
35-39 years	8	5	3	0.84	1.10	0.60
40-44 years	5	5	0	0.57	1.20	0.00
45-49 years	7	5	2	0.81	1.23	0.44
50-54 years	7	3	4	0.77	0.71	0.82
55-59 years	5	2	3	0.63	0.56	0.70
60-64 years	2	1	1	0.32	0.36	0.29
65-69 years	—*	—*	—*	—*	—*	—*
70-74 years	1	1	0	0.31	0.70	0.00
75-79 years	—*	—*	—*	—*	—*	—*
80-84 years	—*	—*	—*	—*	—*	—*
85 years +	—*	—*	—*	—*	—*	—*
<b>Crude Total (All)</b>	<b>1,203</b>	<b>992</b>	<b>211</b>	<b>7.71</b>	<b>13.29</b>	<b>2.59</b>
<i>Age-adjusted (All)</i>				<i>6.27</i>	<i>10.79</i>	<i>2.12</i>
<b>Crude Total (Under 19)</b>				<b>19.06</b>	<b>31.61</b>	<b>6.27</b>
<i>Age-adjusted (Under 19)</i>				<i>18.57</i>	<i>30.83</i>	<i>6.10</i>
<b>Crude Total (40+)</b>				<b>0.50</b>	<b>0.70</b>	<b>0.34</b>
<i>Age-adjusted (40+)</i>				<i>0.48</i>	<i>0.71</i>	<i>0.29</i>

—\* Represents zero.

**5B. Inpatient Encounters**

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 0.06 encounters, and the AI/AN age-adjusted rate was 0.05 encounters. For AI/AN age group under 19, the crude rate was 0.15 encounters and the age-adjusted rate was 0.15 encounters. The AI/AN age-adjusted male rate was 0.08 encounters, and for females was 0.02 encounters. For AI/AN age group under 19, the age-adjusted rate for males was 0.22 encounters and for females 0.07 encounters. The AI/AN male inpatient visit rate peaked at 0.98 encounters for age group 12-14 years.

**CHART 5B** Inpatient Encounters with Autism—Less Severe by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 5B** Inpatient Encounters with Autism-Less Severe by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

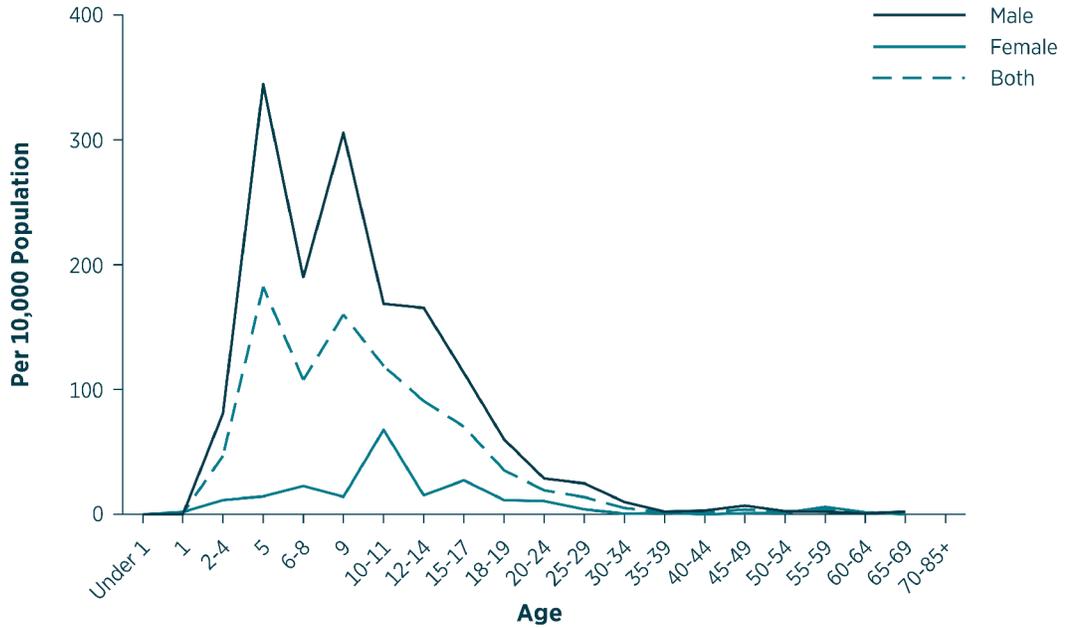
Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	1	1	0	0.11	0.22	0.00
9 years	1	1	0	0.35	0.70	0.00
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	6	4	2	0.74	0.98	0.50
15-17 years	—*	—*	—*	—*	—*	—*
18-19 years	—*	—*	—*	—*	—*	—*
20-24 years	1	1	0	0.07	0.15	0.00
25-29 years	—*	—*	—*	—*	—*	—*
30-34 years	—*	—*	—*	—*	—*	—*
35-39 years	—*	—*	—*	—*	—*	—*
40-44 years	—*	—*	—*	—*	—*	—*
45-49 years	—*	—*	—*	—*	—*	—*
50-54 years	—*	—*	—*	—*	—*	—*
55-59 years	—*	—*	—*	—*	—*	—*
60-64 years	—*	—*	—*	—*	—*	—*
65-69 years	—*	—*	—*	—*	—*	—*
70-74 years	—*	—*	—*	—*	—*	—*
75-79 years	—*	—*	—*	—*	—*	—*
80-84 years	—*	—*	—*	—*	—*	—*
85 years +	—*	—*	—*	—*	—*	—*
<b>Crude Total (All)</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>0.06</b>	<b>0.09</b>	<b>0.02</b>
<i>Age-adjusted (All)</i>				<i>0.05</i>	<i>0.08</i>	<i>0.02</i>
<b>Crude Total (Under 19)</b>				<b>0.15</b>	<b>0.22</b>	<b>0.07</b>
<i>Age-adjusted (Under 19)</i>				<i>0.15</i>	<i>0.22</i>	<i>0.07</i>

—\* Represents zero.

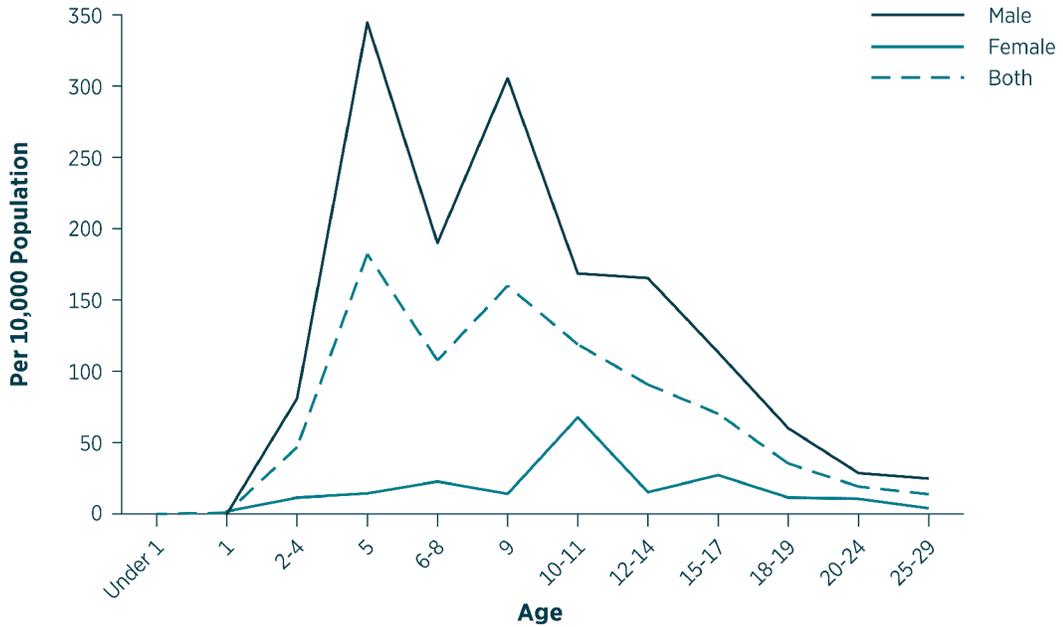
**5C.1-5C.3 Outpatient Encounters (Three Charts)**

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 32.76 encounters, and the AI/AN age-adjusted rate was 26.54 encounters. For AI/AN age group under 19, the crude rate was 82.91 encounters and the age-adjusted rate was 80.73 encounters. The AI/AN age-adjusted male rate was 47.40 encounters, and for females was 7.33 encounters. For AI/AN age group under 19, the age-adjusted rate for males was 139.24 encounters and for females 21.18 encounters. The AI/AN male outpatient visit rate peaked at 344.76 encounters for age group 5 years.

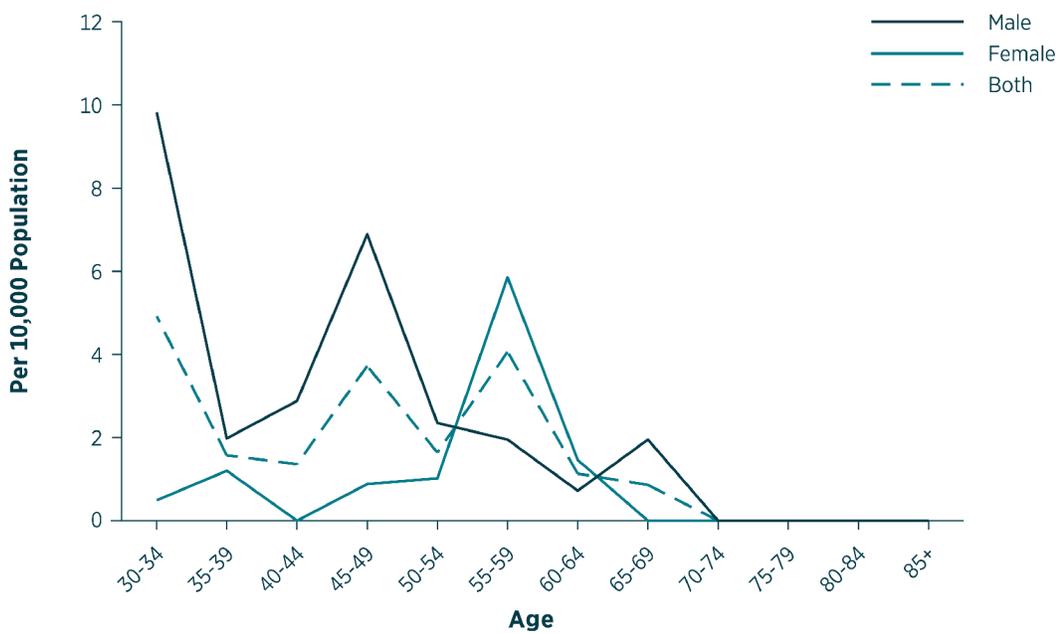
**CHART 5C.1** Outpatient Encounters with Autism—Less Severe Rates by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**CHART 5C.2** Outpatient Encounters with Autism—Less Severe Rates by Age and Sex (Under 1 to 29 years of Age)  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**CHART 5C.3** Outpatient Encounters with Autism—Less Severe Rates by Age and Sex (Age 30 to 85 years and Older)  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 5C** Outpatient Encounters with any Autism-Less Severe by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	2	0	2	0.83	0.00	1.72
2-4 years	386	340	46	46.84	80.97	11.38
5 years	544	523	21	182.28	344.76	14.31
6-8 years	974	873	101	107.70	190.09	22.69
9 years	458	438	20	160.01	305.61	13.99
10-11 years	651	468	183	118.84	168.61	67.72
12-14 years	733	672	61	90.72	165.33	15.19
15-17 years	558	450	108	70.24	113.34	27.18
18-19 years	183	153	30	35.29	60.04	11.38
20-24 years	268	190	78	19.15	28.62	10.60
25-29 years	181	154	27	13.71	24.72	3.87
30-34 years	57	54	3	4.92	9.82	0.49
35-39 years	15	9	6	1.57	1.98	1.20
40-44 years	12	12	0	1.36	2.88	0.00
45-49 years	32	28	4	3.72	6.89	0.88
50-54 years	15	10	5	1.64	2.35	1.02
55-59 years	32	7	25	4.06	1.95	5.85
60-64 years	7	2	5	1.13	0.72	1.46
65-69 years	4	4	0	0.86	1.95	0.00
70-74 years	—*	—*	—*	—*	—*	—*
75-79 years	—*	—*	—*	—*	—*	—*
80-84 years	—*	—*	—*	—*	—*	—*
85 years +	—*	—*	—*	—*	—*	—*
<b>Crude Total (All)</b>	<b>5,112</b>	<b>4,387</b>	<b>725</b>	<b>32.76</b>	<b>58.80</b>	<b>8.91</b>
<i>Age-adjusted (All)</i>				<i>26.54</i>	<i>47.40</i>	<i>7.33</i>
<b>Crude Total (Under 19)</b>				<b>82.91</b>	<b>143.31</b>	<b>21.34</b>
<i>Age-adjusted (Under 19)</i>				<i>80.73</i>	<i>139.24</i>	<i>21.18</i>

—\* Represents zero.

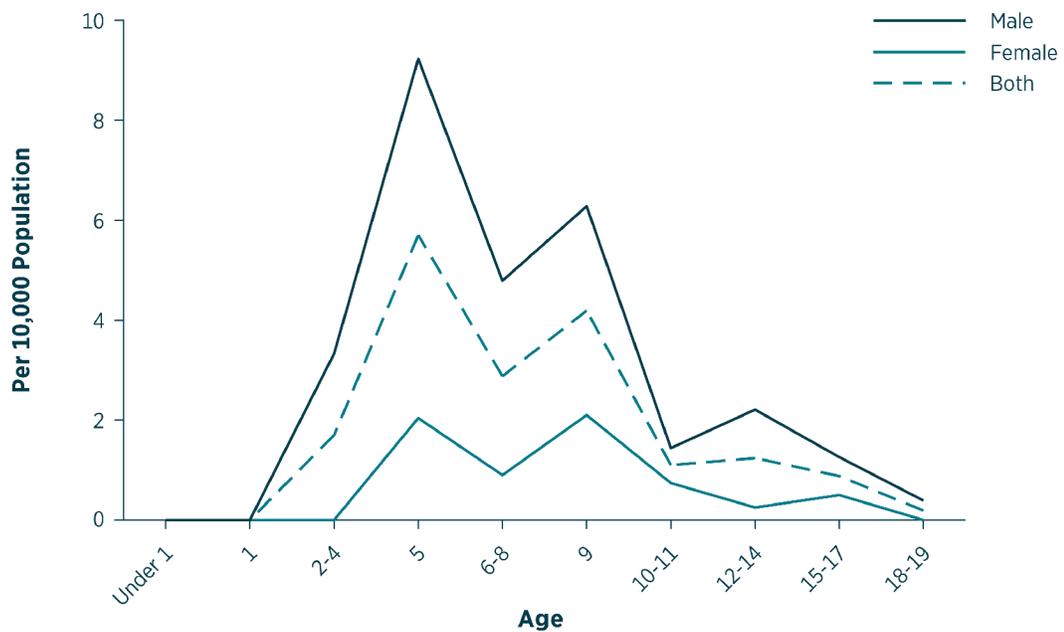
## 1.6 AUTISM-SEVERE

### 6A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 0.60 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 0.47 persons. For AI/AN age group under 19, the crude diagnostic prevalence rate was 1.72 persons and the age-adjusted diagnostic prevalence rate was 1.64 persons. The AI/AN age-adjusted male diagnostic prevalence rate was 0.81 persons, and for females was 0.15 persons. For AI/AN age group under 19, the AI/AN age-adjusted diagnostic prevalence rate for males was 2.71 persons and for females 0.54 persons. The AI/AN male crude diagnostic prevalence rate peaked at 9.23 persons for age group 5 years.

**CHART 6A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Autism–Severe Rates by Age and Sex (0-19 Years)

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 6A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Autism-Severe by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

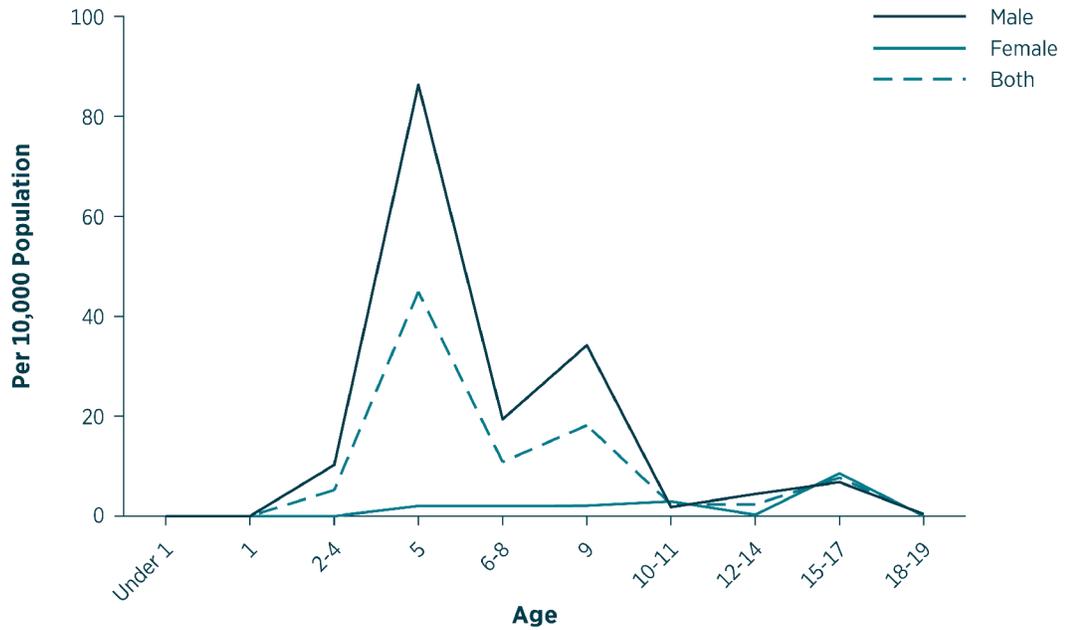
Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	14	14	0	1.70	3.33	0.00
5 years	17	14	3	5.70	9.23	2.04
6-8 years	26	22	4	2.88	4.79	0.90
9 years	12	9	3	4.19	6.28	2.10
10-11 years	6	4	2	1.10	1.44	0.74
12-14 years	10	9	1	1.24	2.21	0.25
15-17 years	7	5	2	0.88	1.26	0.50
18-19 years	1	1	0	0.19	0.39	0.00
20-24 years	—*	—*	—*	—*	—*	—*
25-29 years	—*	—*	—*	—*	—*	—*
30-34 years	—*	—*	—*	—*	—*	—*
35-39 years	—*	—*	—*	—*	—*	—*
40-44 years	—*	—*	—*	—*	—*	—*
45-49 years	—*	—*	—*	—*	—*	—*
50-54 years	—*	—*	—*	—*	—*	—*
55-59 years	—*	—*	—*	—*	—*	—*
60-64 years	—*	—*	—*	—*	—*	—*
65-69 years	—*	—*	—*	—*	—*	—*
70-74 years	—*	—*	—*	—*	—*	—*
75-79 years	—*	—*	—*	—*	—*	—*
80-84 years	—*	—*	—*	—*	—*	—*
85 years +	—*	—*	—*	—*	—*	—*
<b>Crude Total (All)</b>	<b>93</b>	<b>78</b>	<b>15</b>	<b>0.60</b>	<b>1.05</b>	<b>0.18</b>
<i>Age-adjusted (All)</i>				<i>0.47</i>	<i>0.81</i>	<i>0.15</i>
<b>Crude Total (Under 19)</b>				<b>1.72</b>	<b>2.85</b>	<b>0.56</b>
<i>Age-adjusted (Under 19)</i>				<i>1.64</i>	<i>2.71</i>	<i>0.54</i>

—\* Represents zero.

### 6C. Outpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 2.70 encounters, and the AI/AN age-adjusted rate was 2.11 encounters. For AI/AN age group under 19, the crude rate was 7.78 encounters and the age-adjusted rate was 7.35 encounters. The AI/AN age-adjusted male rate was 3.73 encounters, and for females was 0.59 encounters. For AI/AN age group under 19, the age-adjusted rate for males was 12.41 encounters and for females 2.14 encounters. The AI/AN male outpatient visit rate peaked at 86.35 encounters for age group 5 years.

**CHART 6C** Outpatient Encounters with Autism–Severe by Age and Sex (0-19 Years)  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 6C** Outpatient Encounters with any Autism Severe by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	43	43	0	5.22	10.24	0.00
5 years	134	131	3	44.90	86.35	2.04
6-8 years	98	89	9	10.84	19.38	2.02
9 years	52	49	3	18.17	34.19	2.10
10-11 years	13	5	8	2.37	1.80	2.96
12-14 years	19	18	1	2.35	4.43	0.25
15-17 years	61	27	34	7.68	6.80	8.56
18-19 years	1	1	0	0.19	0.39	0.00
20-24 years	—*	—*	—*	—*	—*	—*
25-29 years	—*	—*	—*	—*	—*	—*
30-34 years	—*	—*	—*	—*	—*	—*
35-39 years	—*	—*	—*	—*	—*	—*
40-44 years	—*	—*	—*	—*	—*	—*
45-49 years	—*	—*	—*	—*	—*	—*
50-54 years	—*	—*	—*	—*	—*	—*
55-59 years	—*	—*	—*	—*	—*	—*
60-64 years	—*	—*	—*	—*	—*	—*
65-69 years	—*	—*	—*	—*	—*	—*
70-74 years	—*	—*	—*	—*	—*	—*
75-79 years	—*	—*	—*	—*	—*	—*
80-84 years	—*	—*	—*	—*	—*	—*
85 years +	—*	—*	—*	—*	—*	—*
<b>Crude Total (All)</b>	<b>421</b>	<b>363</b>	<b>58</b>	<b>2.70</b>	<b>4.86</b>	<b>0.71</b>
<i>Age-adjusted (All)</i>				<i>2.11</i>	<i>3.73</i>	<i>0.59</i>
<b>Crude Total (Under 19)</b>				<b>7.78</b>	<b>13.28</b>	<b>2.16</b>
<i>Age-adjusted (Under 19)</i>				<i>7.35</i>	<i>12.41</i>	<i>2.14</i>

—\* Represents zero.

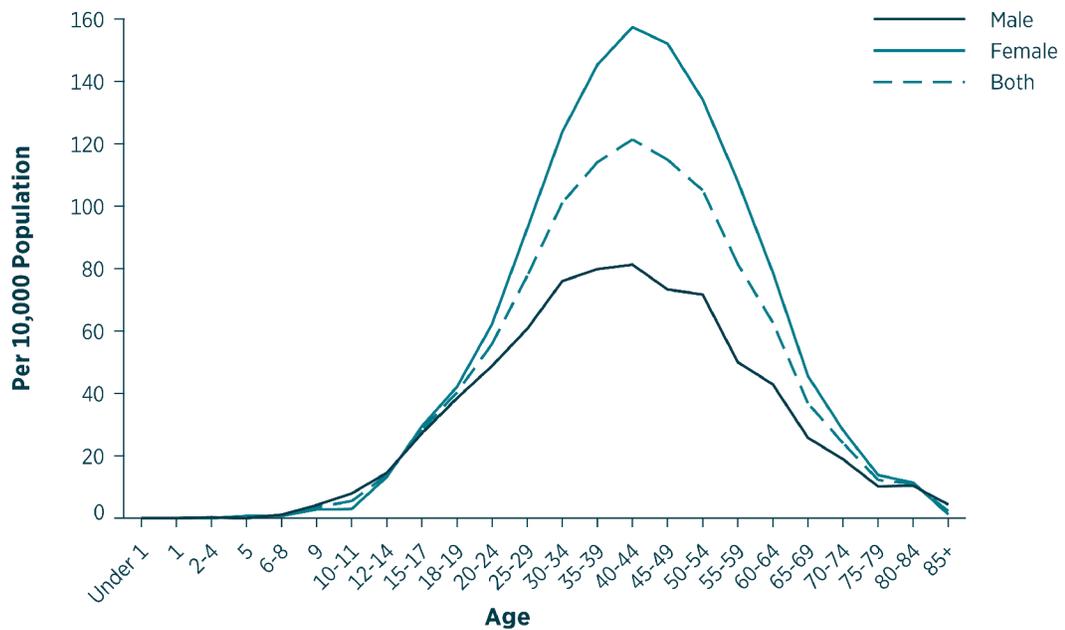
## 1.7 BIPOLAR DISORDER I AND II

### 7A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 57.74 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 62.16 persons. For AI/AN age group under 19, the crude diagnostic prevalence rate was 11.01 persons and the age-adjusted diagnostic prevalence rate was 11.35 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 81.17 persons and the age-adjusted diagnostic prevalence rate was 78.52 persons. The AI/AN age-adjusted female diagnostic prevalence rate was 77.00 persons, and for males was 45.17 persons. For AI/AN age group under 19, the AI/AN age-adjusted diagnostic prevalence rate for males was 11.41 persons and for females 11.26 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for females was 97.58 persons and for males 54.43 persons. The AI/AN female crude diagnostic prevalence rate peaked at 157.41 persons for age group 40-44 years.

**CHART 7A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Bipolar Disorder I and II Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 7A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with BiPolar Disorder I and II by Age and SexAmerican Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	1	1	0	0.12	0.24	0.00
5 years	1	0	1	0.34	0.00	0.68
6-8 years	8	5	3	0.88	1.09	0.67
9 years	10	6	4	3.49	4.19	2.80
10-11 years	30	22	8	5.48	7.93	2.96
12-14 years	112	59	53	13.86	14.52	13.20
15-17 years	225	108	117	28.32	27.20	29.45
18-19 years	209	98	111	40.31	38.46	42.09
20-24 years	782	324	458	55.87	48.81	62.23
25-29 years	1,025	378	647	77.64	60.66	92.81
30-34 years	1,171	418	753	101.09	75.99	123.79
35-39 years	1,087	363	724	114.08	79.84	145.31
40-44 years	1,071	339	732	121.41	81.28	157.41
45-49 years	989	298	691	114.90	73.30	152.12
50-54 years	961	305	656	105.11	71.70	134.19
55-59 years	642	180	462	81.53	50.02	108.04
60-64 years	389	119	270	62.72	42.89	78.79
65-69 years	171	53	118	36.83	25.79	45.60
70-74 years	78	27	51	24.09	18.89	28.21
75-79 years	28	10	18	12.25	10.18	13.81
80-84 years	16	6	10	10.99	10.37	11.40
85 years +	3	2	1	2.31	4.36	1.19
<b>Crude Total (All)</b>	<b>9,009</b>	<b>3,121</b>	<b>5,888</b>	<b>57.74</b>	<b>41.83</b>	<b>72.33</b>
<i>Age-adjusted (All)</i>				<i>62.16</i>	<i>45.17</i>	<i>77.00</i>
<b>Crude Total (Under 19)</b>				<b>11.01</b>	<b>10.94</b>	<b>11.08</b>
<i>Age-adjusted (Under 19)</i>				<i>11.35</i>	<i>11.41</i>	<i>11.26</i>
<b>Crude Total (40+)</b>				<b>81.17</b>	<b>54.95</b>	<b>103.04</b>
<i>Age-adjusted (40+)</i>				<i>78.52</i>	<i>54.43</i>	<i>97.58</i>

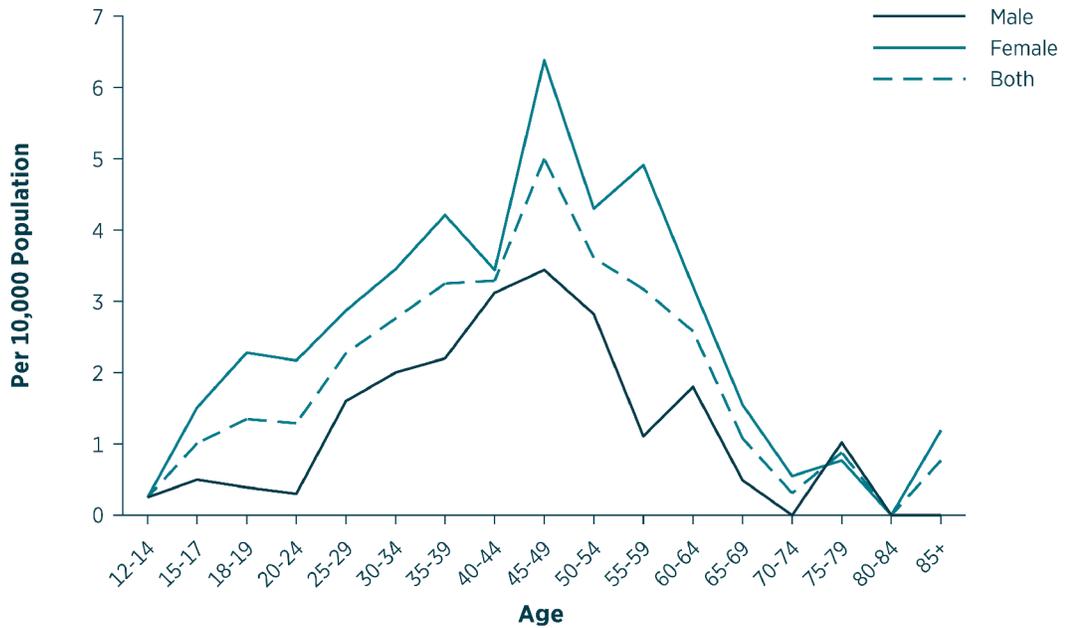
—\* Represents zero.

### 7B. Inpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 1.81 encounters, and the AI/AN age-adjusted rate was 1.98 encounters. For AI/AN age group under 19, the crude rate was 0.31 encounters and the age-adjusted rate was 0.33 encounters. For AI/AN age group 40 and over, the crude rate was 2.89 encounters and the age-adjusted rate was 2.77 encounters. The AI/AN age-adjusted female rate was 2.53 encounters, and for males was 1.34 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 0.49 encounters and for males 0.15 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 3.34 encounters and for males 2.06 encounters. The AI/AN female inpatient visit rate peaked at 6.38 encounters for age group 45-49 years.

**CHART 7B** Inpatient Encounters with Bipolar Disorder I and II by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 7B** Inpatient Encounters with BiPolar Disorder I and II by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	2	1	1	0.25	0.25	0.25
15-17 years	8	2	6	1.01	0.50	1.51
18-19 years	7	1	6	1.35	0.39	2.28
20-24 years	18	2	16	1.29	0.30	2.17
25-29 years	30	10	20	2.27	1.60	2.87
30-34 years	32	11	21	2.76	2.00	3.45
35-39 years	31	10	21	3.25	2.20	4.21
40-44 years	29	13	16	3.29	3.12	3.44
45-49 years	43	14	29	5.00	3.44	6.38
50-54 years	33	12	21	3.61	2.82	4.30
55-59 years	25	4	21	3.17	1.11	4.91
60-64 years	16	5	11	2.58	1.80	3.21
65-69 years	5	1	4	1.08	0.49	1.55
70-74 years	1	0	1	0.31	0.00	0.55
75-79 years	2	1	1	0.88	1.02	0.77
80-84 years	—*	—*	—*	—*	—*	—*
85 years +	1	0	1	0.77	0.00	1.19
<b>Crude Total (All)</b>	<b>283</b>	<b>87</b>	<b>196</b>	<b>1.81</b>	<b>1.17</b>	<b>2.41</b>
<i>Age-adjusted (All)</i>				<i>1.98</i>	<i>1.34</i>	<i>2.53</i>
<b>Crude Total (Under 19)</b>				<b>0.31</b>	<b>0.15</b>	<b>0.48</b>
<i>Age-adjusted (Under 19)</i>				<i>0.33</i>	<i>0.15</i>	<i>0.49</i>
<b>Crude Total (40+)</b>				<b>2.89</b>	<b>2.05</b>	<b>3.60</b>
<i>Age-adjusted (40+)</i>				<i>2.77</i>	<i>2.06</i>	<i>3.34</i>

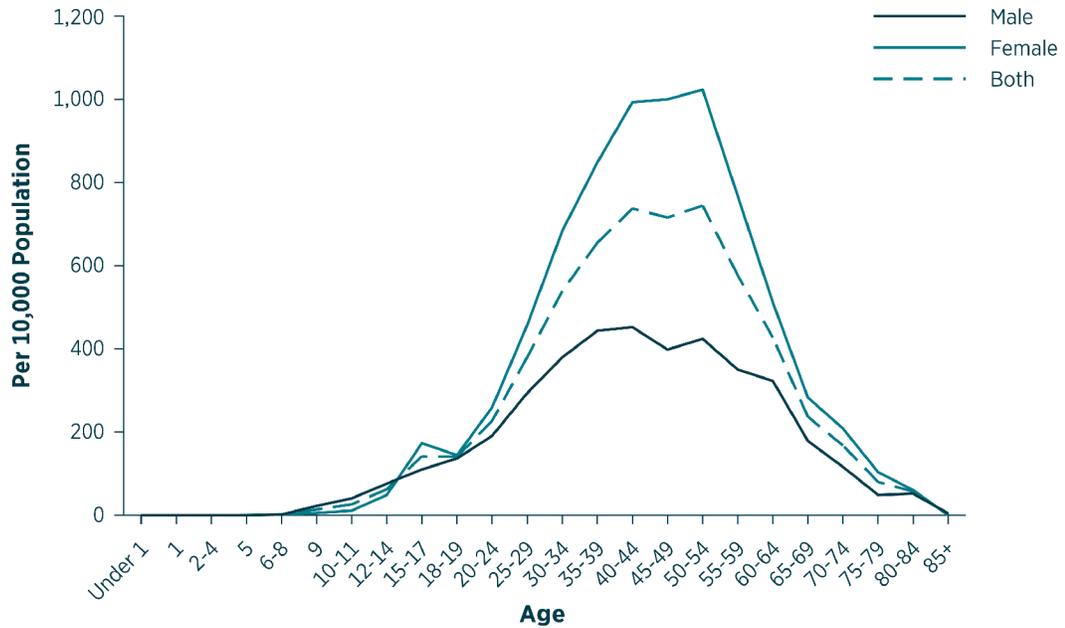
—\* Represents zero.

### 7C. Outpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 332.11 encounters, and the AI/AN age-adjusted rate was 364.62 encounters. For AI/AN age group under 19, the crude rate was 47.34 encounters and the age-adjusted rate was 48.72 encounters. For AI/AN age group 40 and over, the crude rate was 533.41 encounters and the age-adjusted rate was 510.86 encounters. The AI/AN age-adjusted female rate was 470.89 encounters, and for males was 243.36 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 49.78 encounters and for males 47.54 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 659.67 encounters and for males 323.52 encounters. The AI/AN female outpatient visit rate peaked at 1,023.01 encounters for age group 50-54 years.

**CHART 7C** Outpatient Encounters with Bipolar Disorder I and II by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 7C** Outpatient Encounters with BiPolar Disorder I and II by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	1	1	0	0.12	0.24	0.00
5 years	1	0	1	0.34	0.00	0.68
6-8 years	19	8	11	2.10	1.74	2.47
9 years	40	32	8	13.97	22.33	5.60
10-11 years	143	113	30	26.11	40.71	11.10
12-14 years	505	309	196	62.50	76.02	48.81
15-17 years	1,125	437	688	141.62	110.06	173.15
18-19 years	729	348	381	140.59	136.56	144.48
20-24 years	3,175	1,267	1,908	226.83	190.87	259.26
25-29 years	5,017	1,830	3,187	380.02	293.69	457.19
30-34 years	6,246	2,088	4,158	539.20	379.57	683.56
35-39 years	6,242	2,016	4,226	655.07	443.43	848.19
40-44 years	6,504	1,886	4,618	737.32	452.20	993.03
45-49 years	6,162	1,619	4,543	715.87	398.25	1,000.13
50-54 years	6,805	1,804	5,001	744.32	424.06	1,023.01
55-59 years	4,542	1,260	3,282	576.80	350.17	767.50
60-64 years	2,651	896	1,755	427.46	322.92	512.11
65-69 years	1,099	367	732	236.72	178.61	282.85
70-74 years	543	166	377	167.73	116.14	208.51
75-79 years	183	48	135	80.08	48.88	103.58
80-84 years	83	30	53	57.00	51.83	60.41
85 years +	2	2	0	1.54	4.36	0.00
<b>Crude Total (All)</b>	<b>51,817</b>	<b>16,527</b>	<b>35,290</b>	<b>332.11</b>	<b>221.50</b>	<b>433.50</b>
<i>Age-adjusted (All)</i>				<i>364.62</i>	<i>243.36</i>	<i>470.89</i>
<b>Crude Total (Under 19)</b>				<b>47.34</b>	<b>45.66</b>	<b>49.05</b>
<i>Age-adjusted (Under 19)</i>				<i>48.72</i>	<i>47.54</i>	<i>49.78</i>
<b>Crude Total (40+)</b>				<b>533.41</b>	<b>331.51</b>	<b>701.87</b>
<i>Age-adjusted (40+)</i>				<i>510.86</i>	<i>323.52</i>	<i>659.67</i>

—\* Represents zero.

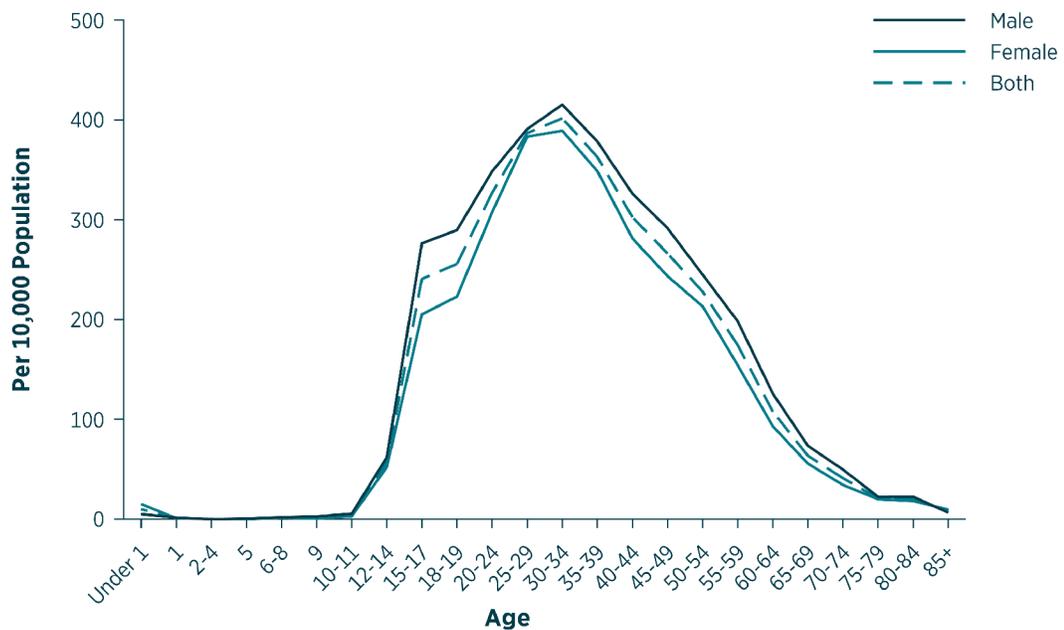
## 1.8 DRUG-RELATED SUBSTANCE USE DISORDER

### 8A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 199.67 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 200.56 persons. For AI/AN age group under 19, the crude diagnostic prevalence rate was 69.56 persons and the age-adjusted diagnostic prevalence rate was 71.98 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 179.19 persons and the age-adjusted diagnostic prevalence rate was 175.23 persons. The AI/AN age-adjusted male diagnostic prevalence rate was 217.73 persons, and for females was 185.24 persons. For AI/AN age group under 19, the AI/AN age-adjusted diagnostic prevalence rate for males was 81.55 persons and for females 62.54 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for males was 200.78 persons and for females 154.20 persons. The AI/AN male crude diagnostic prevalence rate peaked at 415.20 persons for age group 30-34 years.

**CHART 8A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Drug-Related Substance Use Disorder Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



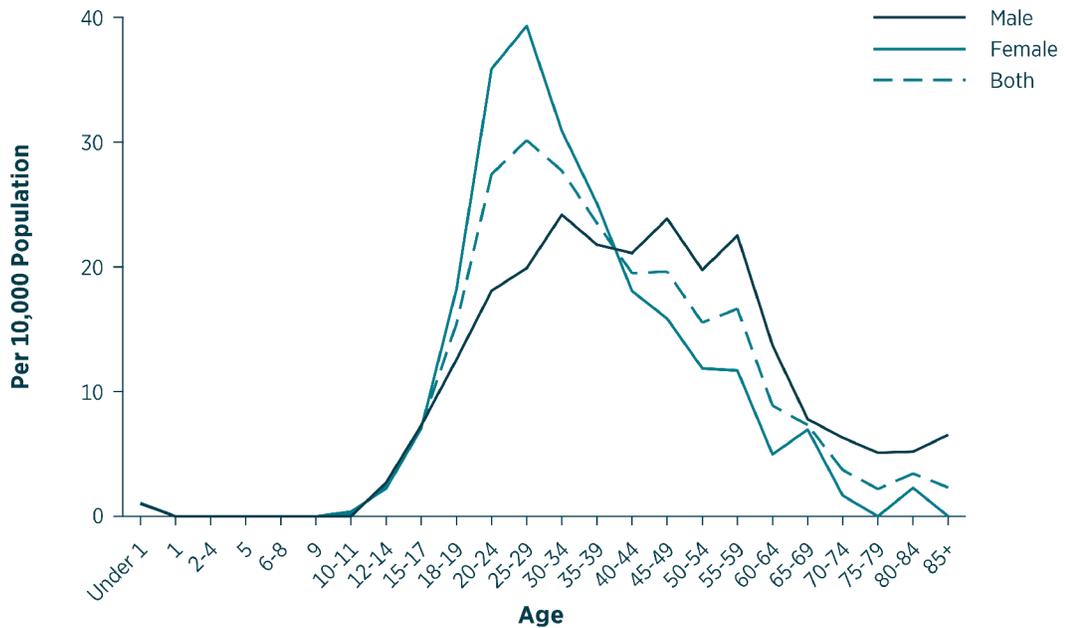
**TABLE 8A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Drug-Related Substance Use Disorder by Age and SexAmerican Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	19	5	14	9.92	5.07	15.09
1 year	3	2	1	1.25	1.61	0.86
2-4 years	1	0	1	0.12	0.00	0.25
5 years	1	1	0	0.34	0.66	0.00
6-8 years	15	9	6	1.66	1.96	1.35
9 years	5	4	1	1.75	2.79	0.70
10-11 years	23	15	8	4.20	5.40	2.96
12-14 years	461	252	209	57.05	62.00	52.05
15-17 years	1,912	1,097	815	240.69	276.29	205.11
18-19 years	1,326	738	588	255.72	289.59	222.98
20-24 years	4,574	2,312	2,262	326.78	348.30	307.36
25-29 years	5,106	2,435	2,671	386.76	390.79	383.16
30-34 years	4,651	2,284	2,367	401.51	415.20	389.12
35-39 years	3,457	1,720	1,737	362.79	378.32	348.63
40-44 years	2,668	1,360	1,308	302.46	326.08	281.27
45-49 years	2,291	1,185	1,106	266.16	291.49	243.48
50-54 years	2,084	1,042	1,042	227.94	244.94	213.15
55-59 years	1,372	713	659	174.23	198.15	154.11
60-64 years	668	349	319	107.71	125.78	93.08
65-69 years	295	151	144	63.54	73.49	55.64
70-74 years	133	71	62	41.08	49.67	34.29
75-79 years	48	22	26	21.00	22.41	19.95
80-84 years	29	13	16	19.91	22.46	18.24
85 years +	11	3	8	8.46	6.53	9.51
<b>Crude Total (All)</b>	<b>31,153</b>	<b>15,783</b>	<b>15,370</b>	<b>199.67</b>	<b>211.53</b>	<b>188.80</b>
<i>Age-adjusted (All)</i>				<i>200.56</i>	<i>217.73</i>	<i>185.24</i>
<b>Crude Total (Under 19)</b>				<b>69.56</b>	<b>77.68</b>	<b>61.28</b>
<i>Age-adjusted (Under 19)</i>				<i>71.98</i>	<i>81.55</i>	<i>62.54</i>
<b>Crude Total (40+)</b>				<b>179.19</b>	<b>201.46</b>	<b>160.61</b>
<i>Age-adjusted (40+)</i>				<i>175.23</i>	<i>200.78</i>	<i>154.20</i>

### 8B. Inpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 14.20 encounters, and the AI/AN age-adjusted rate was 14.18 encounters. For AI/AN age group under 19, the crude rate was 2.96 encounters and the age-adjusted rate was 3.08 encounters. For AI/AN age group 40 and over, the crude rate was 13.59 encounters and the age-adjusted rate was 13.16 encounters. The AI/AN age-adjusted female rate was 14.32 encounters, and for males was 13.93 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 3.34 encounters and for males 2.82 encounters. For AI/AN age group 40 and over, the age-adjusted rate for males was 17.02 encounters and for females 9.95 encounters. The AI/AN female inpatient visit rate peaked at 39.31 encounters for age group 25-29 years.

**CHART 8B** Inpatient Encounters with Drug-Related Substance Use Disorder by Age and Sex  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 8B** Inpatient Encounters with Drug-Related Substance Use Disorder by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

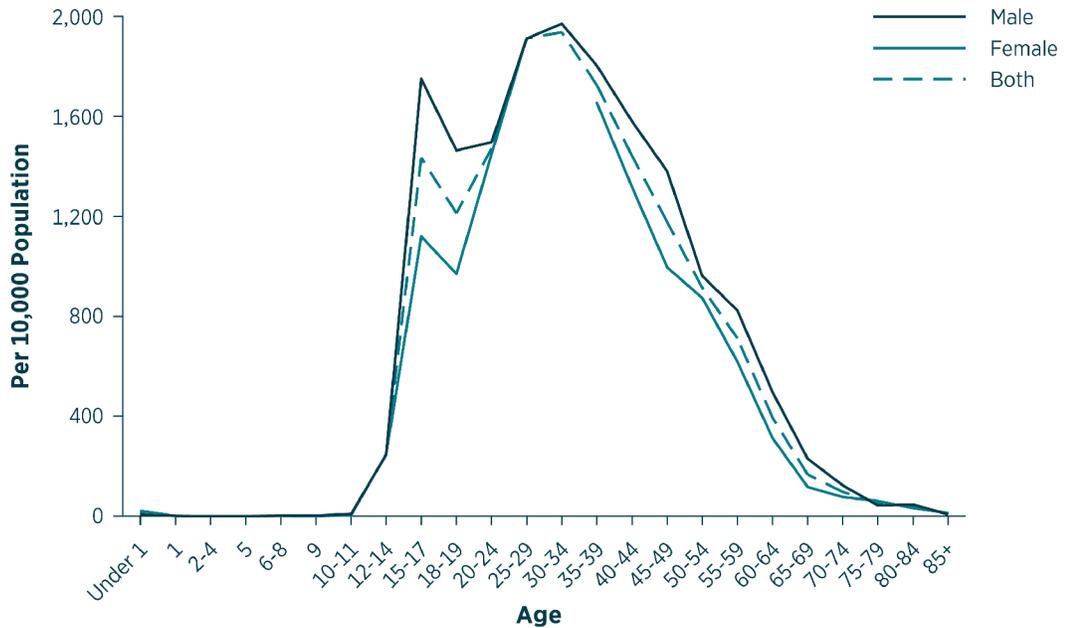
Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	2	1	1	1.04	1.01	1.08
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	1	0	1	0.18	0.00	0.37
12-14 years	20	11	9	2.48	2.71	2.24
15-17 years	57	29	28	7.18	7.30	7.05
18-19 years	80	32	48	15.43	12.56	18.20
20-24 years	384	120	264	27.43	18.08	35.87
25-29 years	398	124	274	30.15	19.90	39.31
30-34 years	321	133	188	27.71	24.18	30.91
35-39 years	224	99	125	23.51	21.78	25.09
40-44 years	172	88	84	19.50	21.10	18.06
45-49 years	169	97	72	19.63	23.86	15.85
50-54 years	142	84	58	15.53	19.75	11.86
55-59 years	131	81	50	16.64	22.51	11.69
60-64 years	55	38	17	8.87	13.70	4.96
65-69 years	34	16	18	7.32	7.79	6.96
70-74 years	12	9	3	3.71	6.30	1.66
75-79 years	5	5	0	2.19	5.09	0.00
80-84 years	5	3	2	3.43	5.18	2.28
85 years +	3	3	0	2.31	6.53	0.00
<b>Crude Total (All)</b>	<b>2,215</b>	<b>973</b>	<b>1,242</b>	<b>14.20</b>	<b>13.04</b>	<b>15.26</b>
<i>Age-adjusted (All)</i>				<i>14.18</i>	<i>13.93</i>	<i>14.32</i>
<b>Crude Total (Under 19)</b>				<b>2.96</b>	<b>2.67</b>	<b>3.25</b>
<i>Age-adjusted (Under 19)</i>				<i>3.08</i>	<i>2.82</i>	<i>3.34</i>
<b>Crude Total (40+)</b>				<b>13.59</b>	<b>17.40</b>	<b>10.41</b>
<i>Age-adjusted (40+)</i>				<i>13.16</i>	<i>17.02</i>	<i>9.95</i>

—\* Represents zero.

### 8C. Outpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 929.45 encounters, and the AI/AN age-adjusted rate was 927.35 encounters. For AI/AN age group under 19, the crude rate was 365.01 encounters and the age-adjusted rate was 377.03 encounters. For AI/AN age group 40 and over, the crude rate was 756.71 encounters and the age-adjusted rate was 746.14 encounters. The AI/AN age-adjusted male rate was 1,016.88 encounters, and for females was 847.14 encounters. For AI/AN age group under 19, the age-adjusted rate for males was 450.10 encounters and for females 305.03 encounters. For AI/AN age group 40 and over, the age-adjusted rate for males was 882.08 encounters and for females 634.71 encounters. The AI/AN male outpatient visit rate peaked at 1,970.91 encounters for age group 30-34 years.

**CHART 8C** Outpatient Encounters with Drug-Related Substance Use Disorder by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 8C** Outpatient Encounters with Drug-Related Substance Use Disorder by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	25	6	19	13.06	6.08	20.48
1 year	3	2	1	1.25	1.61	0.86
2-4 years	1	0	1	0.12	0.00	0.25
5 years	1	1	0	0.34	0.66	0.00
6-8 years	17	10	7	1.88	2.18	1.57
9 years	5	4	1	1.75	2.79	0.70
10-11 years	33	23	10	6.02	8.29	3.70
12-14 years	1,996	999	997	247.03	245.77	248.29
15-17 years	11,394	6,947	4,447	1,434.33	1,749.70	1,119.19
18-19 years	6,287	3,730	2,557	1,212.44	1,463.66	969.66
20-24 years	20,601	9,935	10,666	1,471.78	1,496.71	1,449.30
25-29 years	25,248	11,911	13,337	1,912.45	1,911.57	1,913.24
30-34 years	22,434	10,842	11,592	1,936.65	1,970.91	1,905.67
35-39 years	16,434	8,196	8,238	1,724.67	1,802.75	1,653.42
40-44 years	12,716	6,591	6,125	1,441.54	1,580.31	1,317.09
45-49 years	10,136	5,611	4,525	1,177.55	1,380.22	996.17
50-54 years	8,357	4,090	4,267	914.07	961.43	872.86
55-59 years	5,602	2,961	2,641	711.41	822.89	617.60
60-64 years	2,448	1,377	1,071	394.73	496.27	312.52
65-69 years	774	472	302	166.72	229.72	116.70
70-74 years	314	176	138	96.99	123.14	76.32
75-79 years	121	42	79	52.95	42.77	60.62
80-84 years	55	27	28	37.77	46.65	31.91
85 years +	13	3	10	10.00	6.53	11.89
<b>Crude Total (All)</b>	<b>145,015</b>	<b>73,956</b>	<b>71,059</b>	<b>929.45</b>	<b>991.17</b>	<b>872.88</b>
<i>Age-adjusted (All)</i>				<i>927.35</i>	<i>1,016.88</i>	<i>847.14</i>
<b>Crude Total (Under 19)</b>				<b>365.01</b>	<b>428.88</b>	<b>299.89</b>
<i>Age-adjusted (Under 19)</i>				<i>377.03</i>	<i>450.10</i>	<i>305.03</i>
<b>Crude Total (40+)</b>				<b>756.71</b>	<b>876.19</b>	<b>657.01</b>
<i>Age-adjusted (40+)</i>				<i>746.14</i>	<i>882.08</i>	<i>634.71</i>

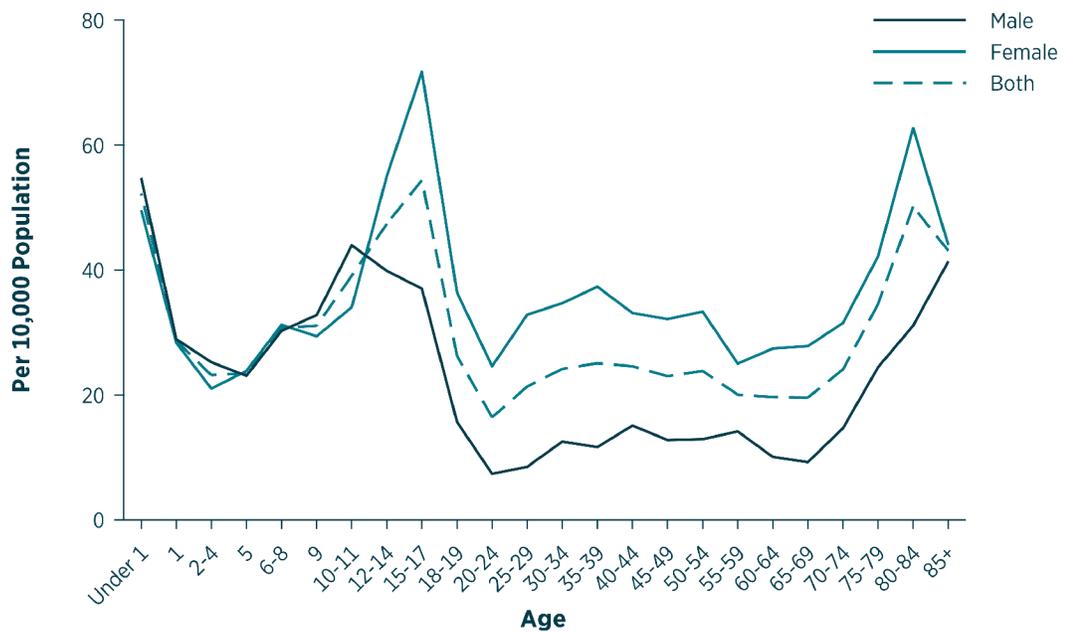
## 1.9 FAMILY CIRCUMSTANCES

### 9A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 27.45 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 27.58 persons. For AI/AN age group under 19, the crude diagnostic prevalence rate was 36.24 persons and the age-adjusted diagnostic prevalence rate was 36.69 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 24.08 persons and the age-adjusted diagnostic prevalence rate was 25.18 persons. The AI/AN age-adjusted female diagnostic prevalence rate was 35.24 persons, and for males was 18.94 persons. For AI/AN age group under 19, the AI/AN age-adjusted diagnostic prevalence rate for females was 40.47 persons and for males 32.85 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for females was 33.63 persons and for males 14.96 persons. The AI/AN female crude diagnostic prevalence rate peaked at 71.53 persons for age group 15-17 years.

**CHART 9A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Family Circumstances Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



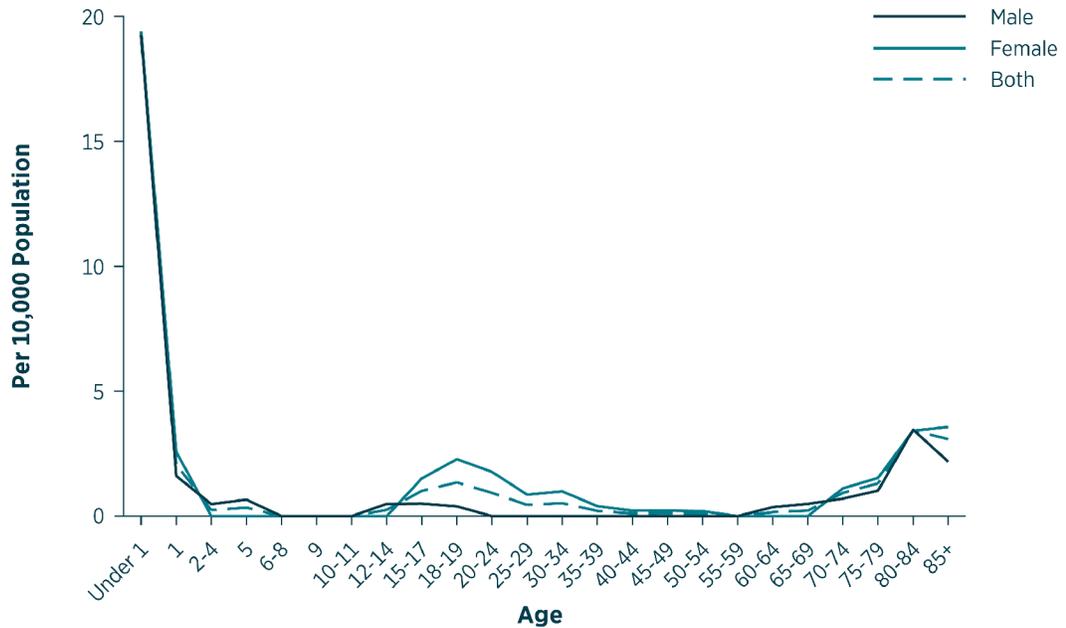
**TABLE 9A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Family Circumstances by Age and SexAmerican Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	100	54	46	52.23	54.72	49.58
1 year	69	36	33	28.66	28.94	28.36
2-4 years	191	106	85	23.18	25.24	21.03
5 years	70	35	35	23.46	23.07	23.85
6-8 years	278	139	139	30.74	30.27	31.23
9 years	89	47	42	31.09	32.79	29.39
10-11 years	214	122	92	39.07	43.95	34.05
12-14 years	383	162	221	47.40	39.86	55.04
15-17 years	432	147	285	54.38	37.02	71.73
18-19 years	136	40	96	26.23	15.70	36.41
20-24 years	230	49	181	16.43	7.38	24.59
25-29 years	282	53	229	21.36	8.51	32.85
30-34 years	280	69	211	24.17	12.54	34.69
35-39 years	239	53	186	25.08	11.66	37.33
40-44 years	217	63	154	24.60	15.11	33.12
45-49 years	198	52	146	23.00	12.79	32.14
50-54 years	218	55	163	23.84	12.93	33.34
55-59 years	158	51	107	20.06	14.17	25.02
60-64 years	122	28	94	19.67	10.09	27.43
65-69 years	91	19	72	19.60	9.25	27.82
70-74 years	78	21	57	24.09	14.69	31.52
75-79 years	79	24	55	34.57	24.44	42.20
80-84 years	73	18	55	50.13	31.10	62.69
85 years +	56	19	37	43.08	41.38	44.01
<b>Crude Total (All)</b>	<b>4,283</b>	<b>1,462</b>	<b>2,821</b>	<b>27.45</b>	<b>19.59</b>	<b>34.65</b>
<i>Age-adjusted (All)</i>				<i>27.58</i>	<i>18.94</i>	<i>35.24</i>
<b>Crude Total (Under 19)</b>				<b>36.24</b>	<b>32.49</b>	<b>40.06</b>
<i>Age-adjusted (Under 19)</i>				<i>36.69</i>	<i>32.85</i>	<i>40.47</i>
<b>Crude Total (40+)</b>				<b>24.08</b>	<b>14.36</b>	<b>32.19</b>
<i>Age-adjusted (40+)</i>				<i>25.18</i>	<i>14.96</i>	<i>33.63</i>

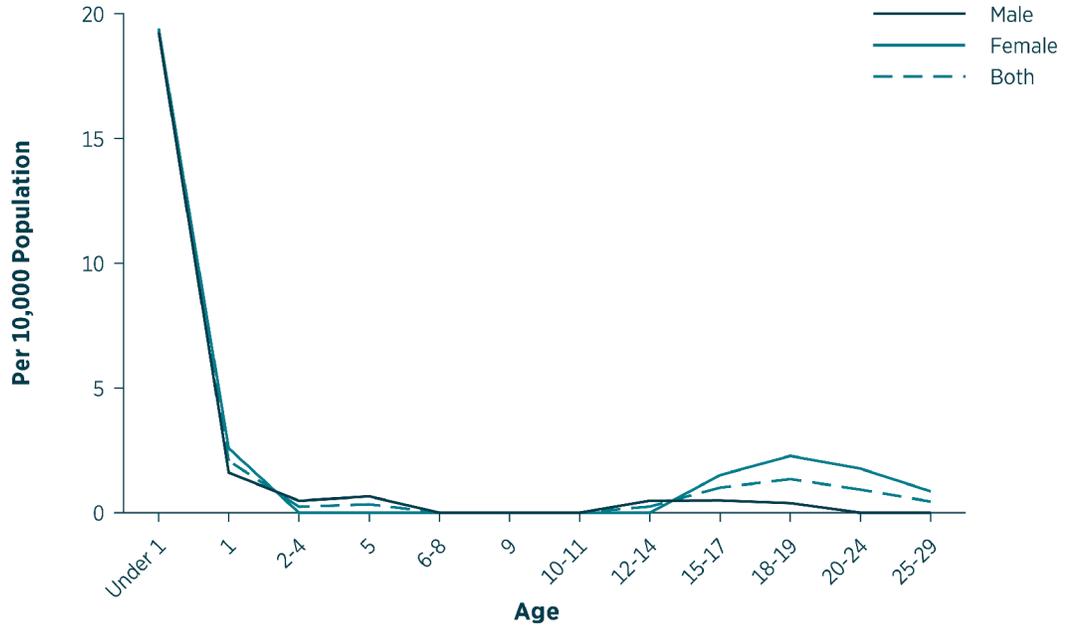
**9B.1-9B.3 Inpatient Encounters (Three Charts)**

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 0.70 encounters, and the AI/AN age-adjusted rate was 0.76 encounters. For AI/AN age group under 19, the crude rate was 1.15 encounters and the age-adjusted rate was 1.41 encounters. For AI/AN age group 40 and over, the crude rate was 0.37 encounters and the age-adjusted rate was 0.49 encounters. The AI/AN age-adjusted female rate was 0.97 encounters, and for males was 0.53 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 1.52 encounters and for males 1.29 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 0.63 encounters and for males 0.34 encounters. The AI/AN female inpatient visit rate peaked at 19.40 encounters for age group under 1.

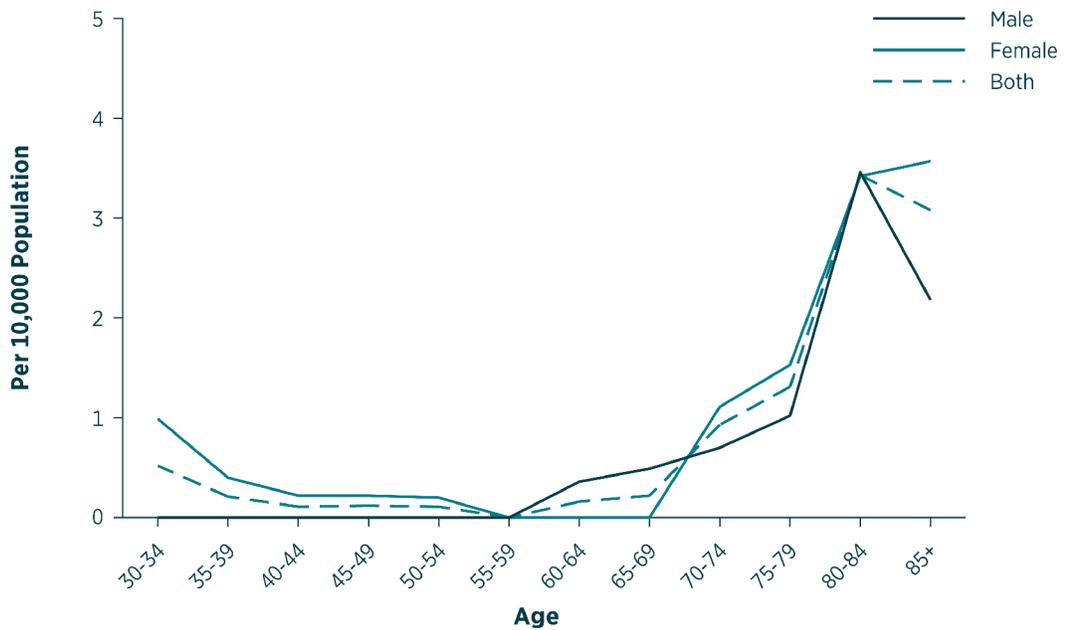
**CHART 9B.1** Inpatient Encounters with Family Circumstances Rates by Age and Sex  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**CHART 9B.2** Inpatient Encounters with Family Circumstances Rates by Age and Sex (Under 1 to 29 Years of Age)  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**CHART 9B.3** Inpatient Encounters with Family Circumstances Rates by Age and Sex (Age 30 to 85 Years and Older)  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 9B** Inpatient Encounters with Family Circumstances by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

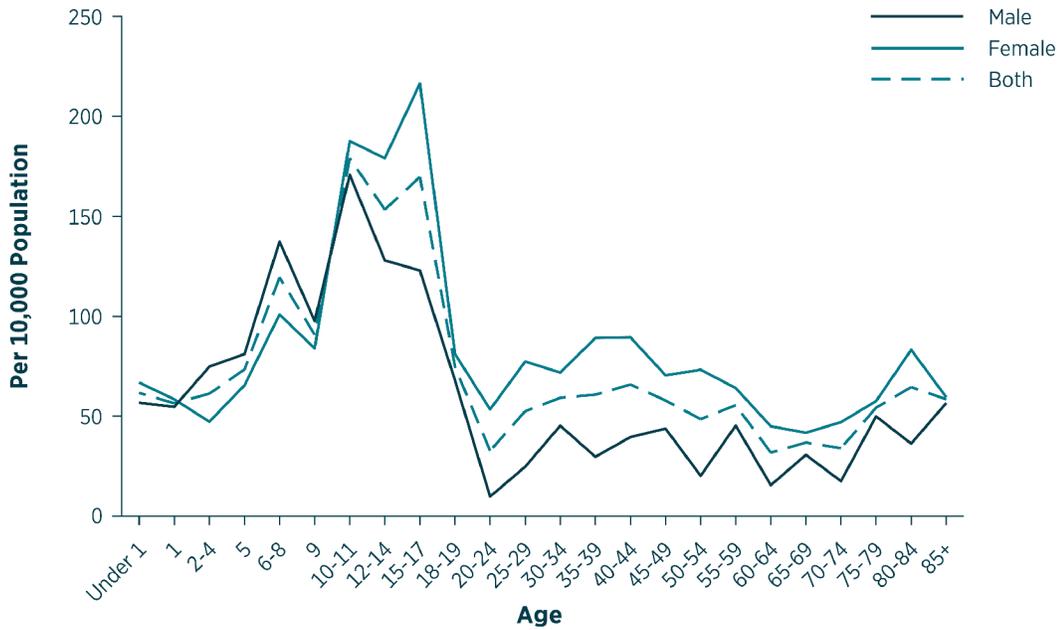
Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	37	19	18	19.32	19.25	19.40
1 year	5	2	3	2.08	1.61	2.58
2-4 years	2	2	0	0.24	0.48	0.00
5 years	1	1	0	0.34	0.66	0.00
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	2	2	0	0.25	0.49	0.00
15-17 years	8	2	6	1.01	0.50	1.51
18-19 years	7	1	6	1.35	0.39	2.28
20-24 years	13	0	13	0.93	0.00	1.77
25-29 years	6	0	6	0.45	0.00	0.86
30-34 years	6	0	6	0.52	0.00	0.99
35-39 years	2	0	2	0.21	0.00	0.40
40-44 years	1	0	1	0.11	0.00	0.22
45-49 years	1	0	1	0.12	0.00	0.22
50-54 years	1	0	1	0.11	0.00	0.20
55-59 years	—*	—*	—*	—*	—*	—*
60-64 years	1	1	0	0.16	0.36	0.00
65-69 years	1	1	0	0.22	0.49	0.00
70-74 years	3	1	2	0.93	0.70	1.11
75-79 years	3	1	2	1.31	1.02	1.53
80-84 years	5	2	3	3.43	3.46	3.42
85 years +	4	1	3	3.08	2.18	3.57
<b>Crude Total (All)</b>	<b>109</b>	<b>36</b>	<b>73</b>	<b>0.70</b>	<b>0.48</b>	<b>0.90</b>
<i>Age-adjusted (All)</i>				<i>0.76</i>	<i>0.53</i>	<i>0.97</i>
<b>Crude Total (Under 19)</b>				<b>1.15</b>	<b>1.06</b>	<b>1.23</b>
<i>Age-adjusted (Under 19)</i>				<i>1.41</i>	<i>1.29</i>	<i>1.52</i>
<b>Crude Total (40+)</b>				<b>0.37</b>	<b>0.29</b>	<b>0.45</b>
<i>Age-adjusted (40+)</i>				<i>0.49</i>	<i>0.34</i>	<i>0.63</i>

—\* Represents zero.

**9C. Outpatient Encounters**

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 73.20 encounters, and the AI/AN age-adjusted rate was 70.27 encounters. For AI/AN age group under 19, the crude rate was 115.86 encounters and the age-adjusted rate was 115.71 encounters. For AI/AN age group 40 and over, the crude rate was 51.00 encounters and the age-adjusted rate was 52.04 encounters. The AI/AN age-adjusted female rate was 83.87 encounters, and for males was 54.73 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 122.81 encounters and for males 108.45 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 66.37 encounters and for males 34.43 encounters. The AI/AN female outpatient visit rate peaked at 216.44 encounters for age group 15-17 years.

**CHART 9C** Outpatient Encounters with Family Circumstances by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 9C** Outpatient Encounters with Family Circumstances by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

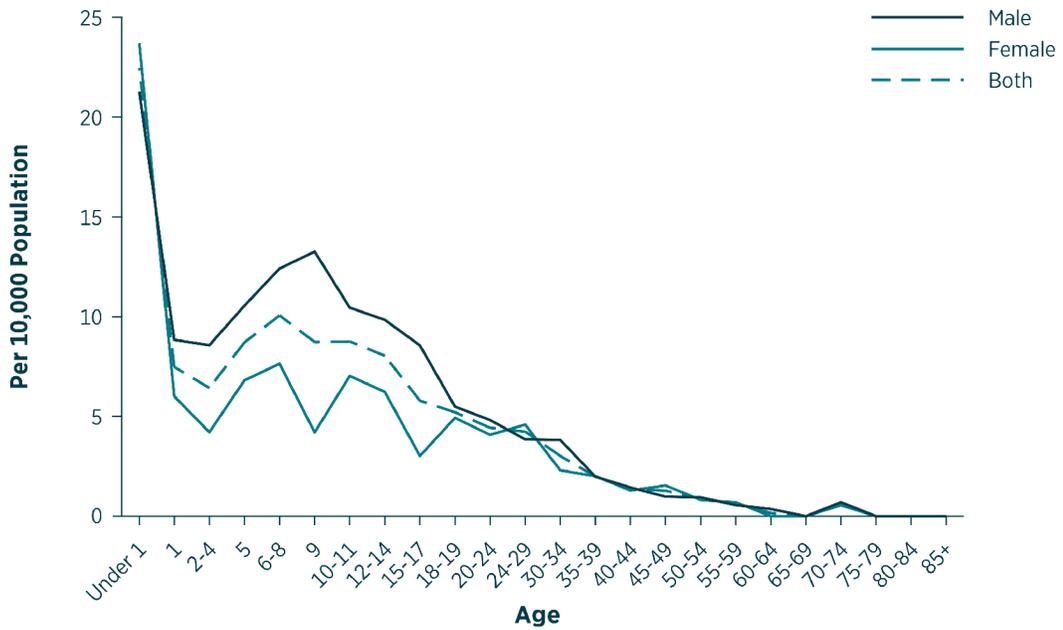
Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	118	56	62	61.63	56.74	66.82
1 year	136	68	68	56.48	54.66	58.43
2-4 years	505	314	191	61.27	74.78	47.25
5 years	219	123	96	73.38	81.08	65.42
6-8 years	1,080	631	449	119.43	137.39	100.88
9 years	260	140	120	90.83	97.68	83.96
10-11 years	981	474	507	179.09	170.77	187.62
12-14 years	1,239	520	719	153.34	127.93	179.06
15-17 years	1,348	488	860	169.69	122.91	216.44
18-19 years	387	173	214	74.63	67.89	81.15
20-24 years	458	65	393	32.72	9.79	53.40
25-29 years	693	154	539	52.49	24.72	77.32
30-34 years	686	249	437	59.22	45.26	71.84
35-39 years	579	135	444	60.76	29.69	89.11
40-44 years	581	165	416	65.86	39.56	89.45
45-49 years	498	178	320	57.86	43.79	70.45
50-54 years	444	86	358	48.56	20.22	73.23
55-59 years	437	163	274	55.50	45.30	64.08
60-64 years	197	43	154	31.77	15.50	44.94
65-69 years	171	63	108	36.83	30.66	41.73
70-74 years	110	25	85	33.98	17.49	47.01
75-79 years	124	49	75	54.26	49.90	57.55
80-84 years	94	21	73	64.55	36.28	83.20
85 years +	76	26	50	58.46	56.62	59.47
<b>Crude Total (All)</b>	<b>11,421</b>	<b>4,409</b>	<b>7,012</b>	<b>73.20</b>	<b>59.09</b>	<b>86.13</b>
<i>Age-adjusted (All)</i>				<i>70.27</i>	<i>54.73</i>	<i>83.87</i>
<b>Crude Total (Under 19)</b>				<b>115.86</b>	<b>109.29</b>	<b>122.57</b>
<i>Age-adjusted (Under 19)</i>				<i>115.71</i>	<i>108.45</i>	<i>122.81</i>
<b>Crude Total (40+)</b>				<b>51.00</b>	<b>33.61</b>	<b>65.51</b>
<i>Age-adjusted (40+)</i>				<i>52.04</i>	<i>34.43</i>	<i>66.37</i>

# 1.10 FETAL ALCOHOL SYNDROME

## 10A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 4.19 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 3.64 persons. For AI/AN age group under 19, the crude diagnostic prevalence rate was 8.16 persons and the age-adjusted diagnostic prevalence rate was 8.30 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 0.73 persons and the age-adjusted diagnostic prevalence rate was 0.73 persons. The AI/AN age-adjusted male diagnostic prevalence rate was 4.40 persons, and for females was 2.94 persons. For AI/AN age group under 19, the AI/AN age-adjusted diagnostic prevalence rate for males was 10.19 persons and for females 6.37 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for males was 0.75 persons and for females 0.71 persons. The AI/AN female crude diagnostic prevalence rate peaked at 23.71 persons for age group under 1.

**CHART 10A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Fetal Alcohol Syndrome Rates by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 10A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Fetal Alcohol Syndrome by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	43	21	22	22.46	21.28	23.71
1 year	18	11	7	7.48	8.84	6.01
2-4 years	53	36	17	6.43	8.57	4.21
5 years	26	16	10	8.71	10.55	6.81
6-8 years	91	57	34	10.06	12.41	7.64
9 years	25	19	6	8.73	13.26	4.20
10-11 years	48	29	19	8.76	10.45	7.03
12-14 years	65	40	25	8.04	9.84	6.23
15-17 years	46	34	12	5.79	8.56	3.02
18-19 years	27	14	13	5.21	5.49	4.93
20-24 years	62	32	30	4.43	4.82	4.08
25-29 years	56	24	32	4.24	3.85	4.59
30-34 years	35	21	14	3.02	3.82	2.30
35-39 years	19	9	10	1.99	1.98	2.01
40-44 years	12	6	6	1.36	1.44	1.29
45-49 years	11	4	7	1.28	0.98	1.54
50-54 years	8	4	4	0.88	0.94	0.82
55-59 years	5	2	3	0.63	0.56	0.70
60-64 years	1	1	0	0.16	0.36	0.00
65-69 years	—*	—*	—*	—*	—*	—*
70-74 years	2	1	1	0.62	0.70	0.55
75-79 years	—*	—*	—*	—*	—*	—*
80-84 years	—*	—*	—*	—*	—*	—*
85 years +	—*	—*	—*	—*	—*	—*
<b>Crude Total (All)</b>	<b>653</b>	<b>381</b>	<b>272</b>	<b>4.19</b>	<b>5.11</b>	<b>3.34</b>
<i>Age-adjusted (All)</i>				<i>3.64</i>	<i>4.40</i>	<i>2.94</i>
<b>Crude Total (Under 19)</b>				<b>8.16</b>	<b>10.13</b>	<b>6.15</b>
<i>Age-adjusted (Under 19)</i>				<i>8.30</i>	<i>10.19</i>	<i>6.37</i>
<b>Crude Total (40+)</b>				<b>0.73</b>	<b>0.74</b>	<b>0.72</b>
<i>Age-adjusted (40+)</i>				<i>0.73</i>	<i>0.75</i>	<i>0.71</i>

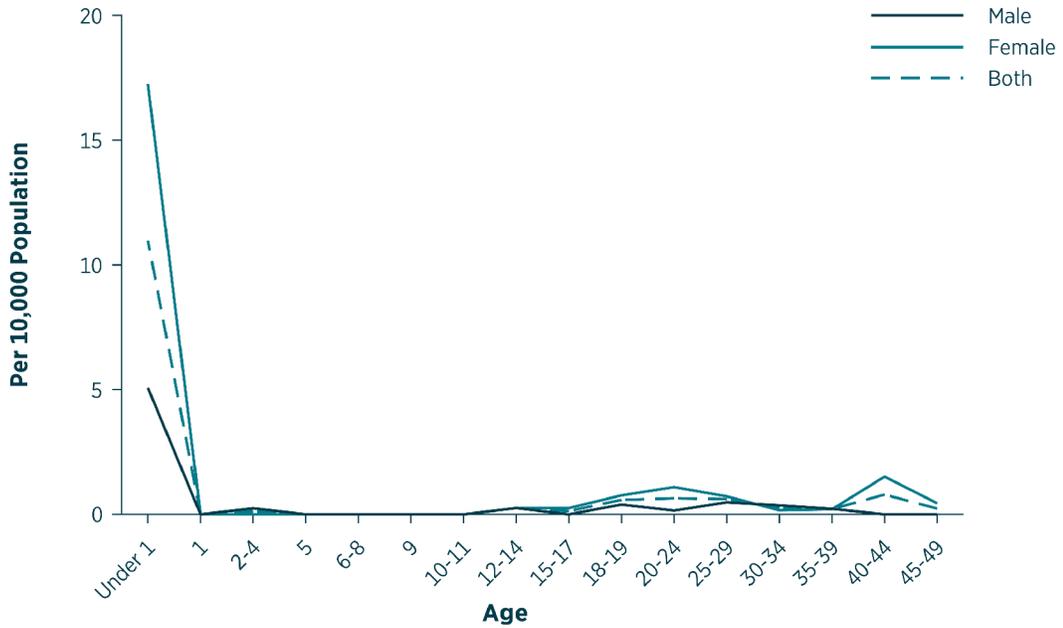
—\* Represents zero.

**10B. Inpatient Encounters**

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 0.38 encounters, and the AI/AN age-adjusted rate was 0.39 encounters. For AI/AN age group under 19, the crude rate was 0.52 encounters and the age-adjusted rate was 0.66 encounters. For AI/AN age group 40 and over, the crude rate was 0.17 encounters and the age-adjusted rate was 0.19 encounters. The AI/AN age-adjusted female rate was 0.56 encounters, and for males was 0.19 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 0.98 encounters and for males 0.35 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 0.34 encounters and for males 0 encounters. The AI/AN female inpatient visit rate peaked at 17.25 encounters for age group under 1.

**CHART 10B** Inpatient Encounters with Fetal Alcohol Syndrome by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 10B** Inpatient Encounters with Fetal Alcohol Syndrome by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	21	5	16	10.97	5.07	17.25
1 year	—*	—*	—*	—*	—*	—*
2-4 years	1	1	0	0.12	0.24	0.00
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	2	1	1	0.25	0.25	0.25
15-17 years	1	0	1	0.13	0.00	0.25
18-19 years	3	1	2	0.58	0.39	0.76
20-24 years	9	1	8	0.64	0.15	1.09
25-29 years	8	3	5	0.61	0.48	0.72
30-34 years	3	2	1	0.26	0.36	0.16
35-39 years	2	1	1	0.21	0.22	0.20
40-44 years	7	0	7	0.79	0.00	1.51
45-49 years	2	0	2	0.23	0.00	0.44
50-54 years	—*	—*	—*	—*	—*	—*
55-59 years	—*	—*	—*	—*	—*	—*
60-64 years	—*	—*	—*	—*	—*	—*
65-69 years	—*	—*	—*	—*	—*	—*
70-74 years	—*	—*	—*	—*	—*	—*
75-79 years	—*	—*	—*	—*	—*	—*
80-84 years	—*	—*	—*	—*	—*	—*
85 years +	—*	—*	—*	—*	—*	—*
<b>Crude Total (All)</b>	<b>59</b>	<b>15</b>	<b>44</b>	<b>0.38</b>	<b>0.20</b>	<b>0.54</b>
<i>Age-adjusted (All)</i>				<i>0.39</i>	<i>0.19</i>	<i>0.56</i>
<b>Crude Total (Under 19)</b>				<b>0.52</b>	<b>0.29</b>	<b>0.75</b>
<i>Age-adjusted (Under 19)</i>				<i>0.66</i>	<i>0.35</i>	<i>0.98</i>
<b>Crude Total (40+)</b>				<b>0.17</b>	<b>0.00</b>	<b>0.31</b>
<i>Age-adjusted (40+)</i>				<i>0.19</i>	<i>0.00</i>	<i>0.34</i>

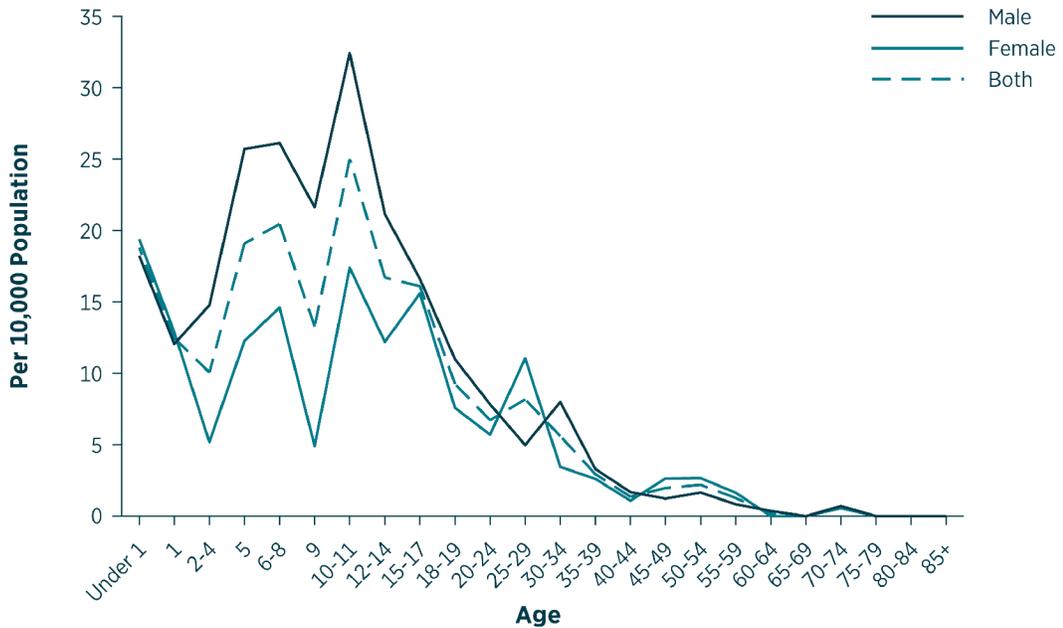
—\* Represents zero.

**10C. Outpatient Encounters**

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 7.91 encounters, and the AI/AN age-adjusted rate was 6.73 encounters. For AI/AN age group under 19, the crude rate was 16.20 encounters and the age-adjusted rate was 16.16 encounters. For AI/AN age group 40 and over, the crude rate was 1.16 encounters and the age-adjusted rate was 1.11 encounters. The AI/AN age-adjusted male rate was 8.17 encounters, and for females was 5.37 encounters. For AI/AN age group under 19, the age-adjusted rate for males was 20.12 encounters and for females 12.12 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 1.21 encounters and for males 0.99 encounters. The AI/AN male outpatient visit rate peaked at 32.43 encounters for age group 10-11 years.

**CHART 10C** Outpatient Encounters with Fetal Alcohol Syndrome by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 10C** Outpatient Encounters with Fetal Alcohol Syndrome by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	36	18	18	18.80	18.24	19.40
1 year	30	15	15	12.46	12.06	12.89
2-4 years	83	62	21	10.07	14.77	5.19
5 years	57	39	18	19.10	25.71	12.27
6-8 years	185	120	65	20.46	26.13	14.60
9 years	38	31	7	13.28	21.63	4.90
10-11 years	137	90	47	25.01	32.43	17.39
12-14 years	135	86	49	16.71	21.16	12.20
15-17 years	128	66	62	16.11	16.62	15.60
18-19 years	48	28	20	9.26	10.99	7.58
20-24 years	94	52	42	6.72	7.83	5.71
25-29 years	108	31	77	8.18	4.98	11.05
30-34 years	65	44	21	5.61	8.00	3.45
35-39 years	28	15	13	2.94	3.30	2.61
40-44 years	12	7	5	1.36	1.68	1.08
45-49 years	17	5	12	1.97	1.23	2.64
50-54 years	20	7	13	2.19	1.65	2.66
55-59 years	10	3	7	1.27	0.83	1.64
60-64 years	1	1	0	0.16	0.36	0.00
65-69 years	—*	—*	—*	—*	—*	—*
70-74 years	2	1	1	0.62	0.70	0.55
75-79 years	—*	—*	—*	—*	—*	—*
80-84 years	—*	—*	—*	—*	—*	—*
85 years +	—*	—*	—*	—*	—*	—*
<b>Crude Total (All)</b>	<b>1,234</b>	<b>721</b>	<b>513</b>	<b>7.91</b>	<b>9.66</b>	<b>6.30</b>
<i>Age-adjusted (All)</i>				<i>6.73</i>	<i>8.17</i>	<i>5.37</i>
<b>Crude Total (Under 19)</b>				<b>16.20</b>	<b>20.31</b>	<b>12.01</b>
<i>Age-adjusted (Under 19)</i>				<i>16.16</i>	<i>20.12</i>	<i>12.12</i>
<b>Crude Total (40+)</b>				<b>1.16</b>	<b>0.98</b>	<b>1.30</b>
<i>Age-adjusted (40+)</i>				<i>1.11</i>	<i>0.99</i>	<i>1.21</i>

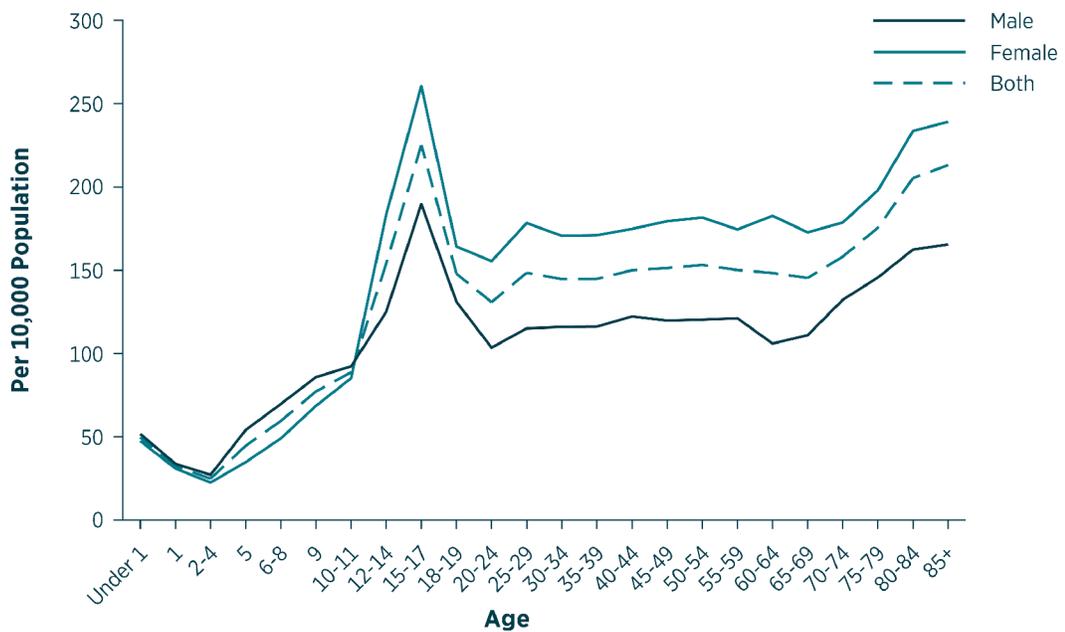
—\* Represents zero.

## 1.11 LIFE CIRCUMSTANCES

### 11A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 132.63 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 137.60 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 154.77 persons and the age-adjusted diagnostic prevalence rate was 156.93 persons. The AI/AN age-adjusted female diagnostic prevalence rate was 160.45 persons, and for males was 112.07 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for females was 184.81 persons and for males 123.36 persons. The AI/AN female crude diagnostic prevalence rate peaked at 260.48 persons for age group 15-17 years.

**CHART 11A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Life Circumstances Rates by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 11A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Life Circumstances by Age and Sex

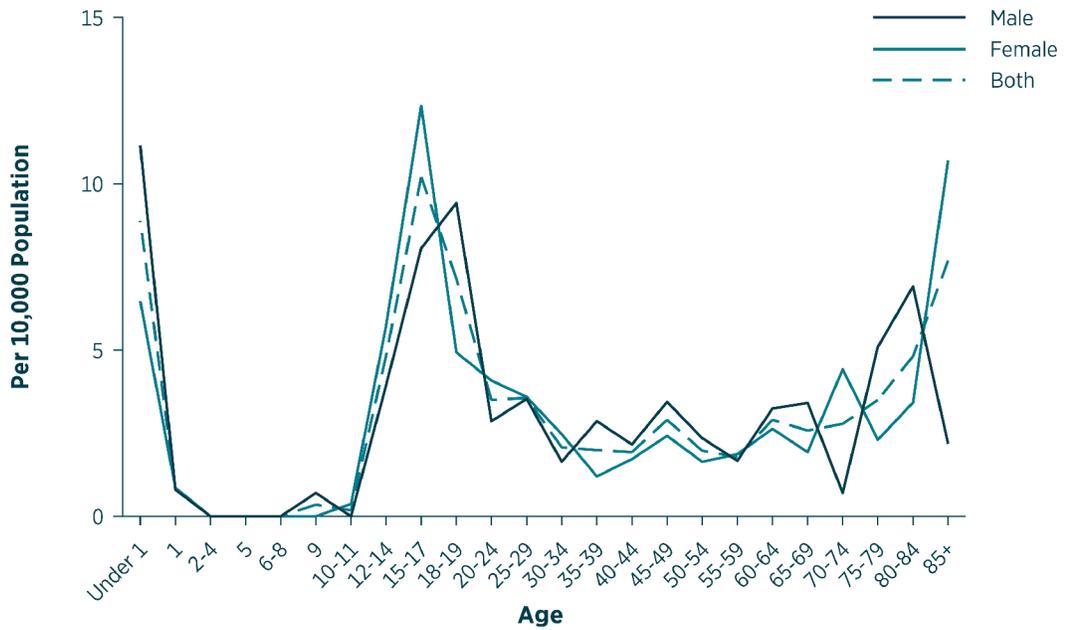
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	95	51	44	49.62	51.68	47.42
1 year	78	42	36	32.39	33.76	30.93
2-4 years	205	114	91	24.87	27.15	22.51
5 years	133	82	51	44.57	54.05	34.76
6-8 years	538	320	218	59.49	69.68	48.98
9 years	221	123	98	77.21	85.82	68.57
10-11 years	486	256	230	88.72	92.23	85.12
12-14 years	1,244	508	736	153.96	124.98	183.29
15-17 years	1,788	753	1,035	225.08	189.65	260.48
18-19 years	767	334	433	147.92	131.06	164.20
20-24 years	1,831	687	1,144	130.81	103.50	155.45
25-29 years	1,960	717	1,243	148.46	115.07	178.31
30-34 years	1,676	638	1,038	144.68	115.98	170.64
35-39 years	1,380	528	852	144.82	116.14	171.00
40-44 years	1,323	510	813	149.98	122.28	174.82
45-49 years	1,302	487	815	151.26	119.79	179.42
50-54 years	1,400	512	888	153.13	120.35	181.65
55-59 years	1,182	436	746	150.10	121.17	174.45
60-64 years	920	294	626	148.35	105.96	182.67
65-69 years	675	228	447	145.39	110.97	172.73
70-74 years	512	189	323	158.15	132.23	178.64
75-79 years	401	143	258	175.48	145.64	197.96
80-84 years	299	94	205	205.33	162.40	233.64
85 years +	277	76	201	213.08	165.51	239.06
<b>Crude Total (All)</b>	<b>20,693</b>	<b>8,122</b>	<b>12,571</b>	<b>132.63</b>	<b>108.85</b>	<b>154.42</b>
<i>Age-adjusted (All)</i>				<i>137.60</i>	<i>112.07</i>	<i>160.45</i>
<b>Crude Total (40+)</b>				<b>154.77</b>	<b>121.85</b>	<b>182.25</b>
<i>Age-adjusted (40+)</i>				<i>156.93</i>	<i>123.36</i>	<i>184.81</i>

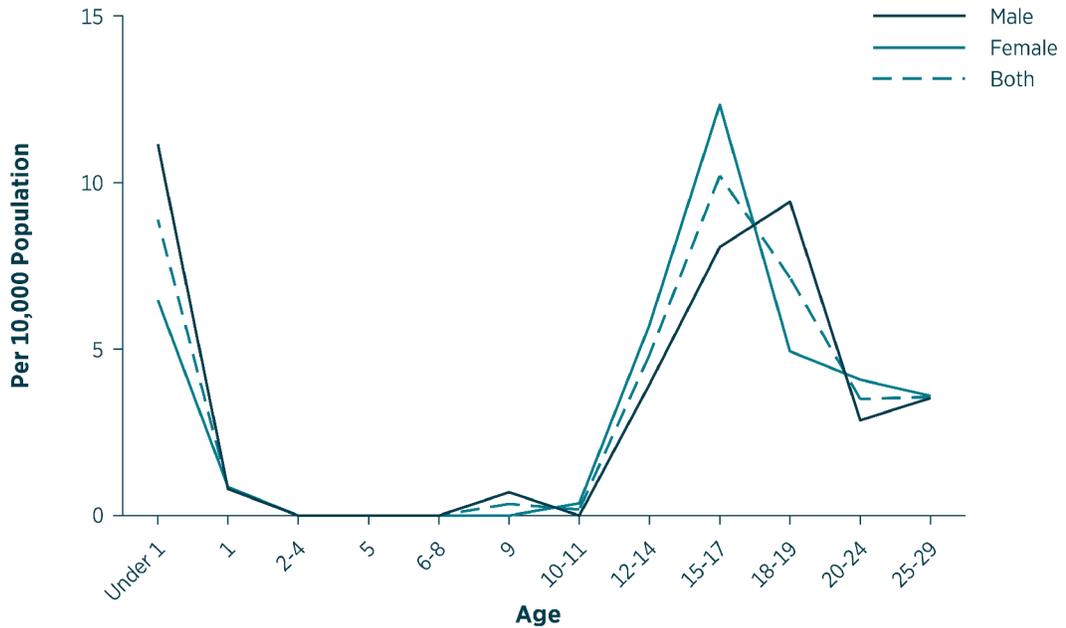
**11B.1-11B.3 Inpatient Encounters (Three Charts)**

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 2.92 encounters, and the AI/AN age-adjusted rate was 2.94 encounters. For AI/AN age group 40 and over, the crude rate was 2.58 encounters and the age-adjusted rate was 2.71 encounters. The AI/AN age-adjusted female rate was 2.95 encounters, and for males was 2.93 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 2.70 encounters and for males 2.78 encounters. The AI/AN female inpatient visit rate peaked at 12.33 encounters for age group 15-17 years.

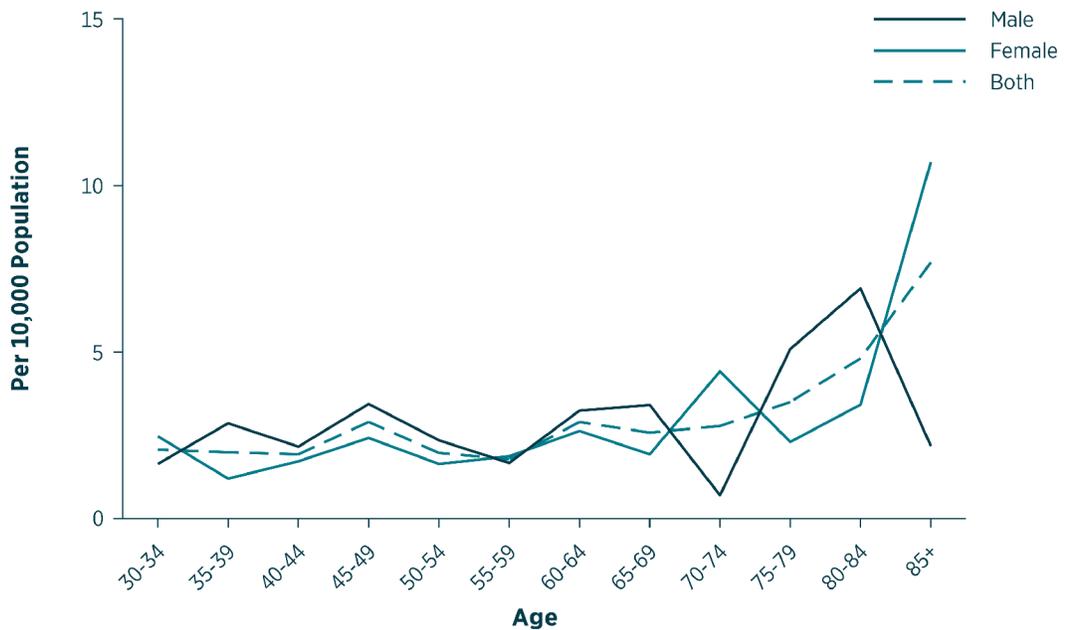
**CHART 11B.1** Inpatient Encounters with Life Circumstances Rates by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**CHART 11B.2** Inpatient Encounters with Life Circumstances Rates by Age and Sex (Under 1 to 29 Years of Age)  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**CHART 11B.3** Inpatient Encounters with Life Circumstances Rates by Age and Sex (Age 30 to 85 Years and Older)  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 11B** Inpatient Encounters with Life Circumstances by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	17	11	6	8.88	11.15	6.47
1 year	2	1	1	0.83	0.80	0.86
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	1	1	0	0.35	0.70	0.00
10-11 years	1	0	1	0.18	0.00	0.37
12-14 years	39	16	23	4.83	3.94	5.73
15-17 years	81	32	49	10.20	8.06	12.33
18-19 years	37	24	13	7.14	9.42	4.93
20-24 years	49	19	30	3.50	2.86	4.08
25-29 years	47	22	25	3.56	3.53	3.59
30-34 years	24	9	15	2.07	1.64	2.47
35-39 years	19	13	6	1.99	2.86	1.20
40-44 years	17	9	8	1.93	2.16	1.72
45-49 years	25	14	11	2.90	3.44	2.42
50-54 years	18	10	8	1.97	2.35	1.64
55-59 years	14	6	8	1.78	1.67	1.87
60-64 years	18	9	9	2.90	3.24	2.63
65-69 years	12	7	5	2.58	3.41	1.93
70-74 years	9	1	8	2.78	0.70	4.42
75-79 years	8	5	3	3.50	5.09	2.30
80-84 years	7	4	3	4.81	6.91	3.42
85 years +	10	1	9	7.69	2.18	10.70
<b>Crude Total (All)</b>	<b>455</b>	<b>214</b>	<b>241</b>	<b>2.92</b>	<b>2.87</b>	<b>2.96</b>
<i>Age-adjusted (All)</i>				<i>2.94</i>	<i>2.93</i>	<i>2.95</i>
<b>Crude Total (40+)</b>				<b>2.58</b>	<b>2.71</b>	<b>2.47</b>
<i>Age-adjusted (40+)</i>				<i>2.71</i>	<i>2.78</i>	<i>2.70</i>

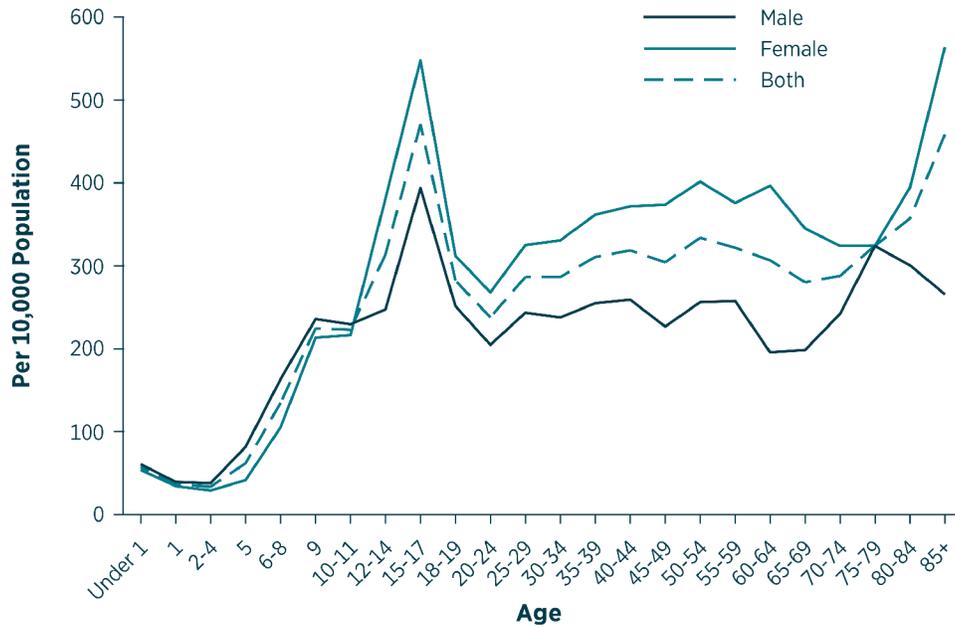
—\* Represents zero.

### 11C. Outpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 268.49 encounters, and the AI/AN age-adjusted rate was 278.72 encounters. For AI/AN age group 40 and over, the crude rate was 317.52 encounters and the age-adjusted rate was 319.40 encounters. The AI/AN age-adjusted female rate was 323.80 encounters, and for males was 228.59 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 380.17 encounters and for males 246.22 encounters. The AI/AN female outpatient visit rate peaked at 563.75 encounters for age group 85 and over.

**CHART 11C** Outpatient Encounters with Life Circumstances Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 11C** Outpatient Encounters with Life Circumstances by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	110	60	50	57.45	60.80	53.89
1 year	89	49	40	36.96	39.39	34.37
2-4 years	277	159	118	33.61	37.87	29.19
5 years	185	124	61	61.99	81.74	41.57
6-8 years	1,219	750	469	134.80	163.31	105.38
9 years	643	338	305	224.64	235.84	213.41
10-11 years	1,222	637	585	223.08	229.50	216.49
12-14 years	2,537	1,006	1,531	313.98	247.50	381.28
15-17 years	3,741	1,564	2,177	470.93	393.91	547.89
18-19 years	1,464	641	823	282.33	251.53	312.10
20-24 years	3,331	1,359	1,972	237.97	204.73	267.96
25-29 years	3,783	1,517	2,266	286.55	243.46	325.07
30-34 years	3,320	1,308	2,012	286.60	237.77	330.76
35-39 years	2,961	1,159	1,802	310.74	254.93	361.67
40-44 years	2,810	1,081	1,729	318.55	259.19	371.80
45-49 years	2,620	922	1,698	304.38	226.80	373.81
50-54 years	3,053	1,090	1,963	333.93	256.22	401.55
55-59 years	2,534	927	1,607	321.80	257.62	375.80
60-64 years	1,902	543	1,359	306.69	195.70	396.56
65-69 years	1,301	408	893	280.23	198.57	345.07
70-74 years	932	346	586	287.89	242.08	324.10
75-79 years	741	318	423	324.26	323.86	324.56
80-84 years	520	174	346	357.09	300.62	394.35
85 years +	596	122	474	458.46	265.68	563.75
<b>Crude Total (All)</b>	<b>41,891</b>	<b>16,602</b>	<b>25,289</b>	<b>268.49</b>	<b>222.50</b>	<b>310.65</b>
<i>Age-adjusted (All)</i>				<i>278.72</i>	<i>228.59</i>	<i>323.80</i>
<b>Crude Total (40+)</b>				<b>317.52</b>	<b>243.40</b>	<b>379.36</b>
<i>Age-adjusted (40+)</i>				<i>319.40</i>	<i>246.22</i>	<i>380.17</i>

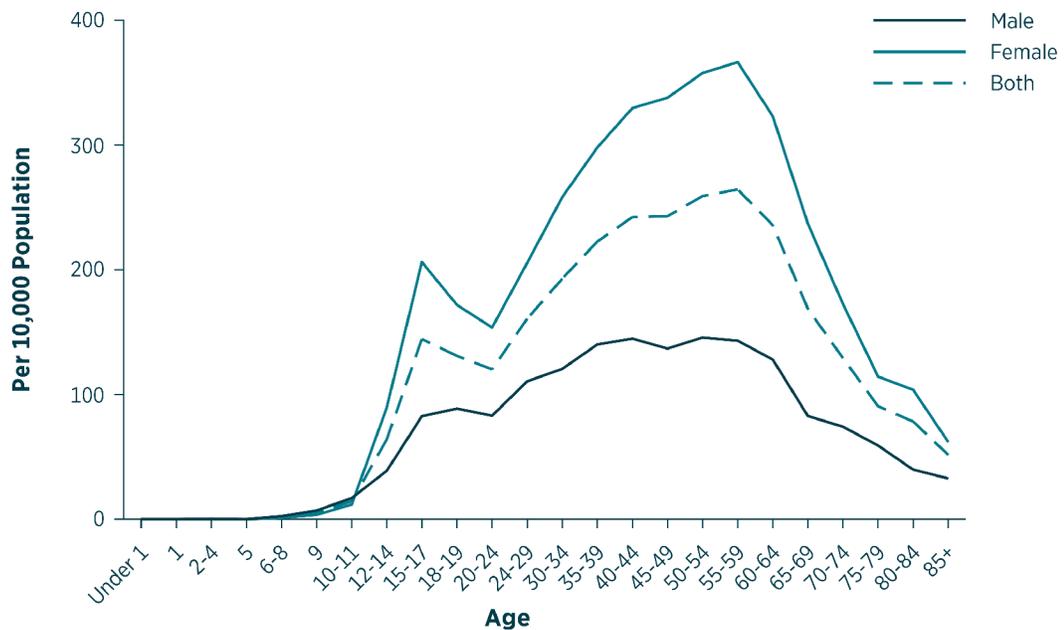
## 1.12 MAJOR DEPRESSION

### 12A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 143.22 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 153.51 persons. For AI/AN age group under 19, the crude diagnostic prevalence rate was 45.36 persons and the age-adjusted diagnostic prevalence rate was 46.65 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 218.97 persons and the age-adjusted diagnostic prevalence rate was 209.33 persons. The AI/AN age-adjusted female diagnostic prevalence rate was 207.94 persons, and for males was 91.84 persons. For AI/AN age group under 19, the AI/AN age-adjusted diagnostic prevalence rate for females was 63.41 persons and for males 29.74 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for females was 280.26 persons and for males 121.11 persons. The AI/AN female crude diagnostic prevalence rate peaked at 366.45 persons for age group 55-59 years.

**CHART 12A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Major Depression Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 12A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Major Depression by Age and SexAmerican Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	2	0	2	0.24	0.00	0.49
5 years	—*	—*	—*	—*	—*	—*
6-8 years	16	11	5	1.77	2.40	1.12
9 years	15	10	5	5.24	6.98	3.50
10-11 years	79	47	32	14.42	16.93	11.84
12-14 years	518	158	360	64.11	38.87	89.65
15-17 years	1,147	328	819	144.39	82.61	206.12
18-19 years	679	226	453	130.94	88.68	171.79
20-24 years	1,682	551	1,131	120.17	83.01	153.68
25-29 years	2,122	689	1,433	160.73	110.58	205.57
30-34 years	2,234	663	1,571	192.85	120.52	258.26
35-39 years	2,122	637	1,485	222.69	140.11	298.05
40-44 years	2,137	604	1,533	242.26	144.82	329.65
45-49 years	2,091	556	1,535	242.92	136.77	337.93
50-54 years	2,369	620	1,749	259.12	145.74	357.78
55-59 years	2,082	515	1,567	264.40	143.12	366.45
60-64 years	1,462	355	1,107	235.74	127.94	323.02
65-69 years	783	170	613	168.66	82.74	236.87
70-74 years	418	106	312	129.12	74.16	172.56
75-79 years	207	58	149	90.58	59.07	114.33
80-84 years	114	23	91	78.29	39.74	103.72
85 years +	67	15	52	51.54	32.67	61.85
<b>Crude Total (All)</b>	<b>22,346</b>	<b>6,342</b>	<b>16,004</b>	<b>143.22</b>	<b>85.00</b>	<b>196.59</b>
<i>Age-adjusted (All)</i>				<i>153.51</i>	<i>91.84</i>	<i>207.94</i>
<b>Crude Total (Under 19)</b>				<b>45.36</b>	<b>28.54</b>	<b>62.52</b>
<i>Age-adjusted (Under 19)</i>				<i>46.65</i>	<i>29.74</i>	<i>63.41</i>
<b>Crude Total (40+)</b>				<b>218.97</b>	<b>124.02</b>	<b>298.20</b>
<i>Age-adjusted (40+)</i>				<i>209.33</i>	<i>121.11</i>	<i>280.26</i>

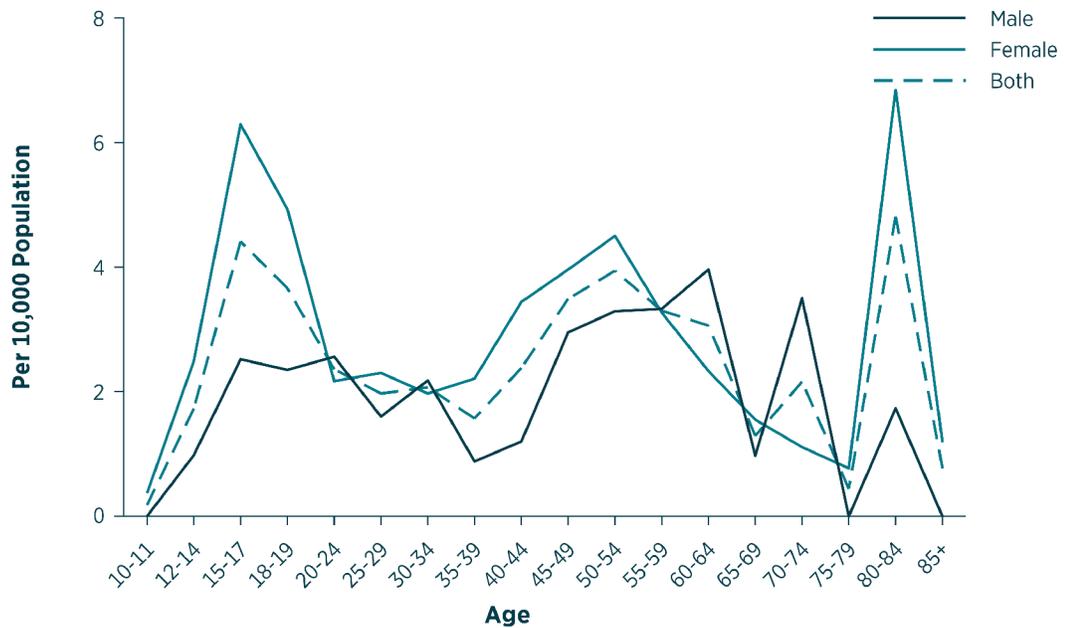
—\* Represents zero.

**12B. Inpatient Encounters**

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 2.06 encounters, and the AI/AN age-adjusted rate was 2.13 encounters. For AI/AN age group under 19, the crude rate was 1.27 encounters and the age-adjusted rate was 1.31 encounters. For AI/AN age group 40 and over, the crude rate was 2.87 encounters and the age-adjusted rate was 2.78 encounters. The AI/AN age-adjusted female rate was 2.50 encounters, and for males was 1.72 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 1.85 encounters and for males 0.76 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 3.10 encounters and for males 2.40 encounters. The AI/AN female inpatient visit rate peaked at 6.29 encounters for age group 15-17 years.

**CHART 12B** Inpatient Encounters with Major Depression Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 12B** Inpatient Encounters with Major Depression by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	1	0	1	0.18	0.00	0.37
12-14 years	14	4	10	1.73	0.98	2.49
15-17 years	35	10	25	4.41	2.52	6.29
18-19 years	19	6	13	3.66	2.35	4.93
20-24 years	33	17	16	2.36	2.56	2.17
25-29 years	26	10	16	1.97	1.60	2.30
30-34 years	24	12	12	2.07	2.18	1.97
35-39 years	15	4	11	1.57	0.88	2.21
40-44 years	21	5	16	2.38	1.20	3.44
45-49 years	30	12	18	3.49	2.95	3.96
50-54 years	36	14	22	3.94	3.29	4.50
55-59 years	26	12	14	3.30	3.33	3.27
60-64 years	19	11	8	3.06	3.96	2.33
65-69 years	6	2	4	1.29	0.97	1.55
70-74 years	7	5	2	2.16	3.50	1.11
75-79 years	1	0	1	0.44	0.00	0.77
80-84 years	7	1	6	4.81	1.73	6.84
85 years +	1	0	1	0.77	0.00	1.19
<b>Crude Total (All)</b>	<b>321</b>	<b>125</b>	<b>196</b>	<b>2.06</b>	<b>1.68</b>	<b>2.41</b>
<i>Age-adjusted (All)</i>				<i>2.13</i>	<i>1.72</i>	<i>2.50</i>
<b>Crude Total (Under 19)</b>				<b>1.27</b>	<b>0.73</b>	<b>1.83</b>
<i>Age-adjusted (Under 19)</i>				<i>1.31</i>	<i>0.76</i>	<i>1.85</i>
<b>Crude Total (40+)</b>				<b>2.87</b>	<b>2.54</b>	<b>3.15</b>
<i>Age-adjusted (40+)</i>				<i>2.78</i>	<i>2.40</i>	<i>3.10</i>

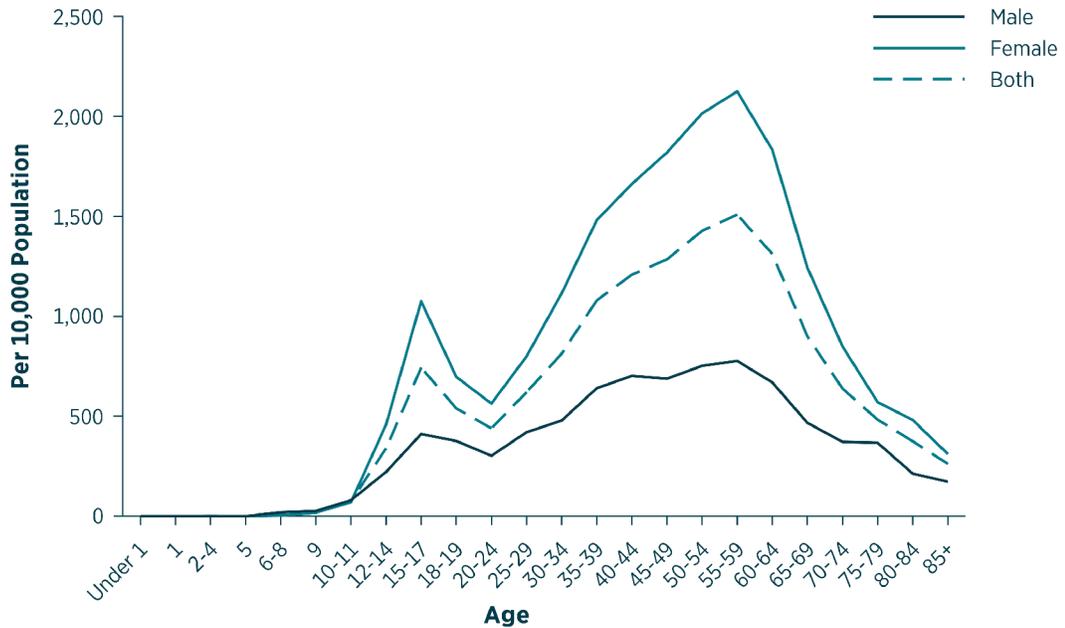
—\* Represents zero.

### 12C. Outpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 698.97 encounters, and the AI/AN age-adjusted rate was 759.33 encounters. For AI/AN age group under 19, the crude rate was 221.90 encounters and the age-adjusted rate was 227.73 encounters. For AI/AN age group 40 and over, the crude rate was 1,176.22 encounters and the age-adjusted rate was 1,115.20 encounters. The AI/AN age-adjusted female rate was 1,045.40 encounters, and for males was 435.21 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 309.20 encounters and for males 145.58 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 1,509.29 encounters and for males 623.82 encounters. The AI/AN female outpatient visit rate peaked at 2,124.78 encounters for age group 55-59 years.

**CHART 12C** Outpatient Encounters with Major Depression Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 12C** Outpatient Encounters with Major Depression by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	6	0	6	0.73	0.00	1.48
5 years	—*	—*	—*	—*	—*	—*
6-8 years	101	87	14	11.17	18.94	3.15
9 years	62	37	25	21.66	25.82	17.49
10-11 years	409	221	188	74.67	79.62	69.57
12-14 years	2,738	899	1,839	338.86	221.17	457.99
15-17 years	5,903	1,631	4,272	743.10	410.79	1,075.15
18-19 years	2,795	958	1,837	539.01	375.92	696.62
20-24 years	6,151	2,005	4,146	439.44	302.05	563.36
25-29 years	8,184	2,615	5,569	619.91	419.68	798.89
30-34 years	9,410	2,630	6,780	812.33	478.09	1,114.60
35-39 years	10,287	2,910	7,377	1,079.57	640.07	1,480.61
40-44 years	10,654	2,926	7,728	1,207.79	701.56	1,661.79
45-49 years	11,059	2,795	8,264	1,284.78	687.53	1,819.30
50-54 years	13,049	3,199	9,850	1,427.27	751.98	2,014.93
55-59 years	11,880	2,794	9,086	1,508.67	776.48	2,124.78
60-64 years	8,136	1,856	6,280	1,311.90	668.90	1,832.51
65-69 years	4,177	959	3,218	899.71	466.73	1,243.48
70-74 years	2,066	531	1,535	638.17	371.51	848.96
75-79 years	1,103	360	743	482.67	366.64	570.09
80-84 years	545	123	422	374.26	212.51	480.97
85 years +	340	79	261	261.54	172.04	310.42
<b>Crude Total (All)</b>	<b>109,055</b>	<b>29,615</b>	<b>79,440</b>	<b>698.97</b>	<b>396.90</b>	<b>975.84</b>
<i>Age-adjusted (All)</i>				<i>759.33</i>	<i>435.21</i>	<i>1,045.40</i>
<b>Crude Total (Under 19)</b>				<b>221.90</b>	<b>140.24</b>	<b>305.15</b>
<i>Age-adjusted (Under 19)</i>				<i>227.73</i>	<i>145.58</i>	<i>309.20</i>
<b>Crude Total (40+)</b>				<b>1,176.22</b>	<b>641.11</b>	<b>1,622.73</b>
<i>Age-adjusted (40+)</i>				<i>1,115.20</i>	<i>623.82</i>	<i>1,509.29</i>

—\* Represents zero.

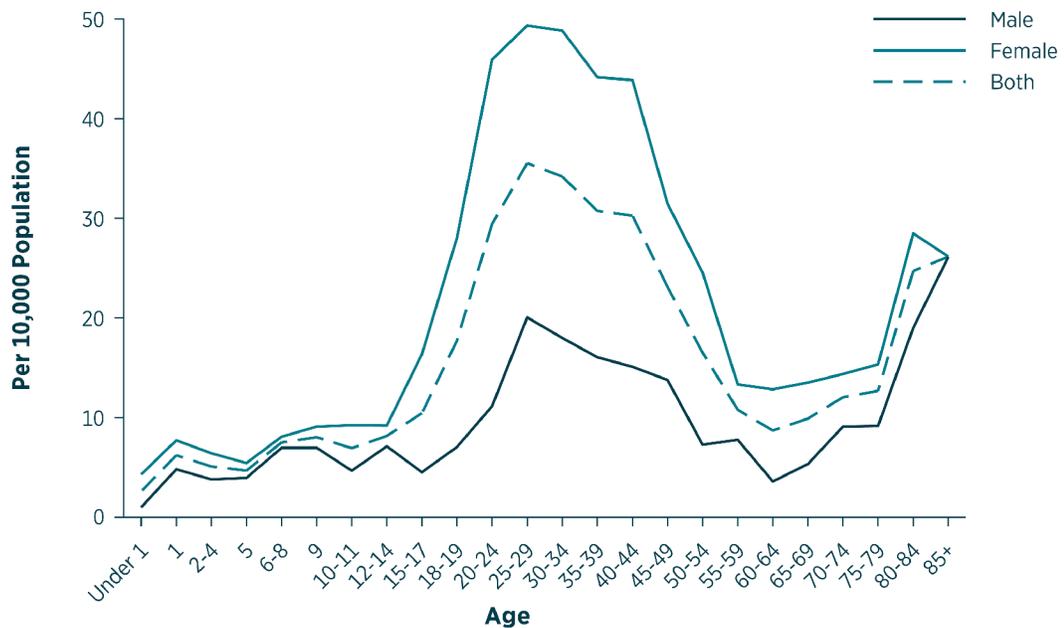
## 1.13 MALTREATMENT-RELATED

### 13A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 18.95 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 19.49 persons. For AI/AN age group under 19, the crude diagnostic prevalence rate was 8.24 persons and the age-adjusted diagnostic prevalence rate was 8.27 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 17.55 persons and the age-adjusted diagnostic prevalence rate was 18.48 persons. The AI/AN age-adjusted female diagnostic prevalence rate was 27.19 persons, and for males was 10.69 persons. For AI/AN age group under 19, the AI/AN age-adjusted diagnostic prevalence rate for females was 11.13 persons and for males 5.40 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for females was 24.82 persons and for males 10.63 persons. The AI/AN female crude diagnostic prevalence rate peaked at 49.35 persons for age group 25-29 years.

**CHART 13A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Maltreatment-Related Rates by Age and Sex, All Ages

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



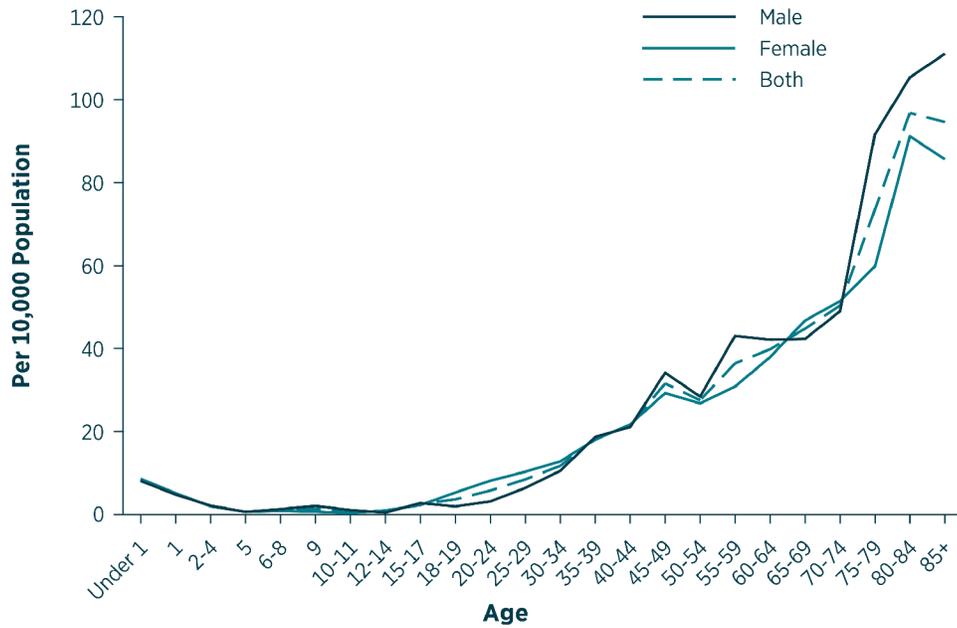
**TABLE 13A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Maltreatment-Related by Age and SexAmerican Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	5	1	4	2.61	1.01	4.31
1 year	15	6	9	6.23	4.82	7.73
2-4 years	42	16	26	5.10	3.81	6.43
5 years	14	6	8	4.69	3.96	5.45
6-8 years	68	32	36	7.52	6.97	8.09
9 years	23	10	13	8.04	6.98	9.10
10-11 years	38	13	25	6.94	4.68	9.25
12-14 years	66	29	37	8.17	7.13	9.21
15-17 years	83	18	65	10.45	4.53	16.36
18-19 years	92	18	74	17.74	7.06	28.06
20-24 years	412	74	338	29.43	11.15	45.93
25-29 years	469	125	344	35.53	20.06	49.35
30-34 years	396	99	297	34.19	18.00	48.83
35-39 years	293	73	220	30.75	16.06	44.16
40-44 years	267	63	204	30.27	15.11	43.87
45-49 years	199	56	143	23.12	13.78	31.48
50-54 years	151	31	120	16.52	7.29	24.55
55-59 years	85	28	57	10.79	7.78	13.33
60-64 years	54	10	44	8.71	3.60	12.84
65-69 years	46	11	35	9.91	5.35	13.52
70-74 years	39	13	26	12.05	9.10	14.38
75-79 years	29	9	20	12.69	9.17	15.35
80-84 years	36	11	25	24.72	19.00	28.49
85 years +	34	12	22	26.15	26.13	26.17
<b>Crude Total (All)</b>	<b>2,956</b>	<b>764</b>	<b>2,192</b>	<b>18.95</b>	<b>10.24</b>	<b>26.93</b>
<i>Age-adjusted (All)</i>				<i>19.49</i>	<i>10.69</i>	<i>27.19</i>
<b>Crude Total (Under 19)</b>				<b>8.24</b>	<b>5.45</b>	<b>11.08</b>
<i>Age-adjusted (Under 19)</i>				<i>8.27</i>	<i>5.40</i>	<i>11.13</i>
<b>Crude Total (40+)</b>				<b>17.55</b>	<b>10.01</b>	<b>23.83</b>
<i>Age-adjusted (40+)</i>				<i>18.48</i>	<i>10.63</i>	<i>24.82</i>

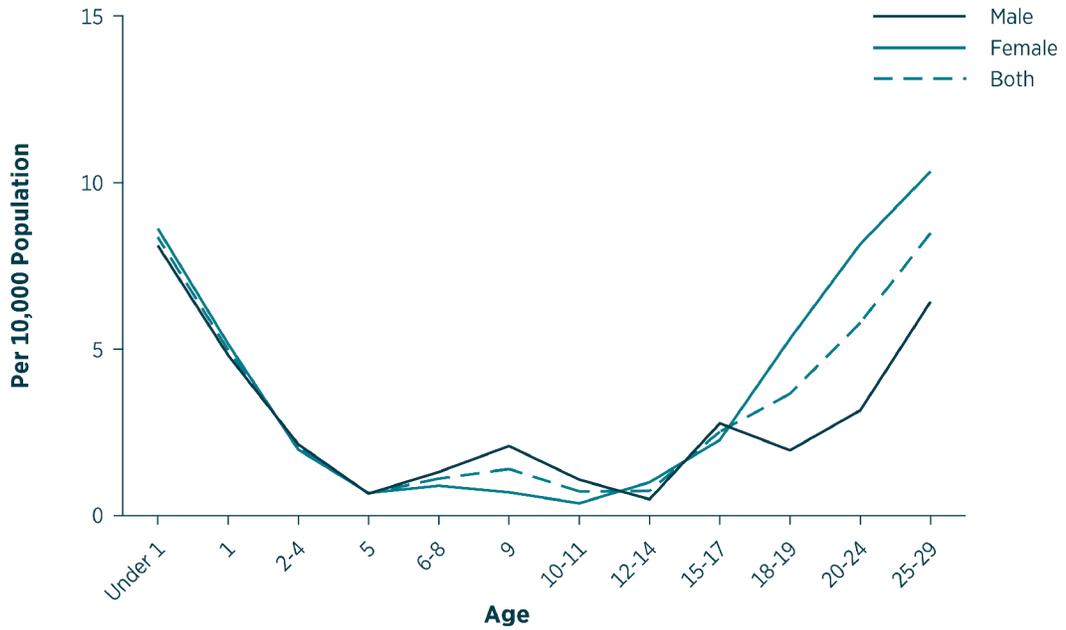
**13B.1-13B.3 Inpatient Encounters (Three Charts)**

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 17.07 encounters, and the AI/AN age-adjusted rate was 21.25 encounters. For AI/AN age group under 19, the crude rate was 2.03 encounters and the age-adjusted rate was 2.15 encounters. For AI/AN age group 40 and over, the crude rate was 38.27 encounters and the age-adjusted rate was 40.40 encounters. The AI/AN age-adjusted female rate was 21.84 encounters, and for males was 20.55 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 2.22 encounters and for males 2.07 encounters. For AI/AN age group 40 and over, the age-adjusted rate for males was 41.44 encounters and for females 39.42 encounters. The AI/AN male inpatient visit rate peaked at 111.06 encounters for age group 85 and over.

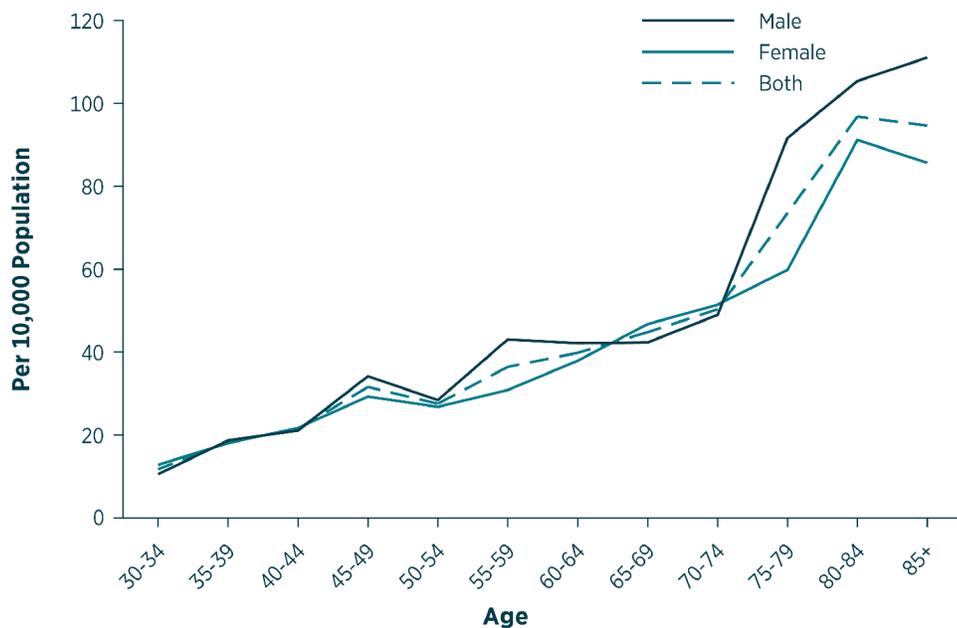
**CHART 13B.1** Inpatient Encounters with Maltreatment-Related Rates by Age and Sex, All Ages  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**CHART 13B.2** Inpatient Encounters with Maltreatment-Related Rates by Age and Sex (Under 1 to 29 Years of Age)  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**CHART 13B.3** Inpatient Encounters with Maltreatment-Related Rates by Age and Sex (Age 30 to 85 Years and Older)  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 13B** Inpatient Encounters with Maltreatment-Related by Age and Sex

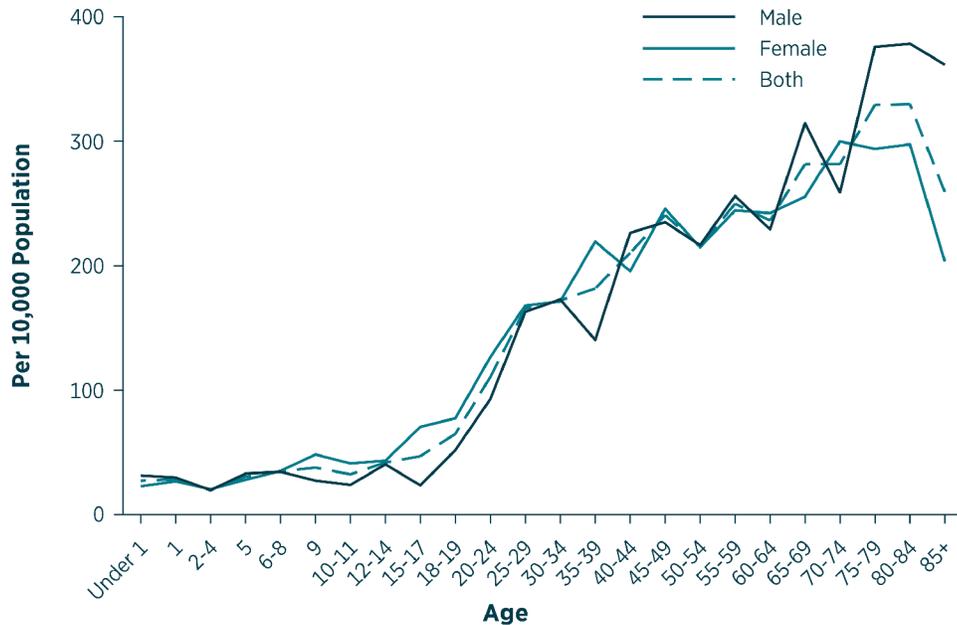
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	16	8	8	8.36	8.11	8.62
1 year	12	6	6	4.98	4.82	5.16
2-4 years	17	9	8	2.06	2.14	1.98
5 years	2	1	1	0.67	0.66	0.68
6-8 years	10	6	4	1.11	1.31	0.90
9 years	4	3	1	1.40	2.09	0.70
10-11 years	4	3	1	0.73	1.08	0.37
12-14 years	6	2	4	0.74	0.49	1.00
15-17 years	20	11	9	2.52	2.77	2.27
18-19 years	19	5	14	3.66	1.96	5.31
20-24 years	81	21	60	5.79	3.16	8.15
25-29 years	112	40	72	8.48	6.42	10.33
30-34 years	136	58	78	11.74	10.54	12.82
35-39 years	175	85	90	18.37	18.70	18.06
40-44 years	189	88	101	21.43	21.10	21.72
45-49 years	272	139	133	31.60	34.19	29.28
50-54 years	252	121	131	27.56	28.44	26.80
55-59 years	287	155	132	36.45	43.08	30.87
60-64 years	247	117	130	39.83	42.17	37.93
65-69 years	208	87	121	44.80	42.34	46.76
70-74 years	163	70	93	50.35	48.98	51.44
75-79 years	168	90	78	73.52	91.66	59.85
80-84 years	141	61	80	96.83	105.39	91.18
85 years +	123	51	72	94.62	111.06	85.63
<b>Crude Total (All)</b>	<b>2,664</b>	<b>1,237</b>	<b>1,427</b>	<b>17.07</b>	<b>16.58</b>	<b>17.53</b>
<i>Age-adjusted (All)</i>				<i>21.25</i>	<i>20.55</i>	<i>21.84</i>
<b>Crude Total (Under 19)</b>				<b>2.03</b>	<b>1.98</b>	<b>2.09</b>
<i>Age-adjusted (Under 19)</i>				<i>2.15</i>	<i>2.07</i>	<i>2.22</i>
<b>Crude Total (40+)</b>				<b>38.27</b>	<b>40.18</b>	<b>36.68</b>
<i>Age-adjusted (40+)</i>				<i>40.40</i>	<i>41.44</i>	<i>39.42</i>

**13C. Outpatient Encounters**

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 144.81 encounters, and the AI/AN age-adjusted rate was 162.42 encounters. For AI/AN age group under 19, the crude rate was 37.33 encounters and the age-adjusted rate was 37.55 encounters. For AI/AN age group 40 and over, the crude rate was 244.84 encounters and the age-adjusted rate was 248.02 encounters. The AI/AN age-adjusted female rate was 168.31 encounters, and for males was 155.45 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 43.74 encounters and for males 31.31 encounters. For AI/AN age group 40 and over, the age-adjusted rate for males was 255.78 encounters and for females 240.65 encounters. The AI/AN male outpatient visit rate peaked at 378.37 encounters for age group 80-84 years.

**CHART 13C** Outpatient Encounters with Maltreatment-Related Rates by Age and Sex, All Ages  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 13C** Outpatient Encounters with Maltreatment Related by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

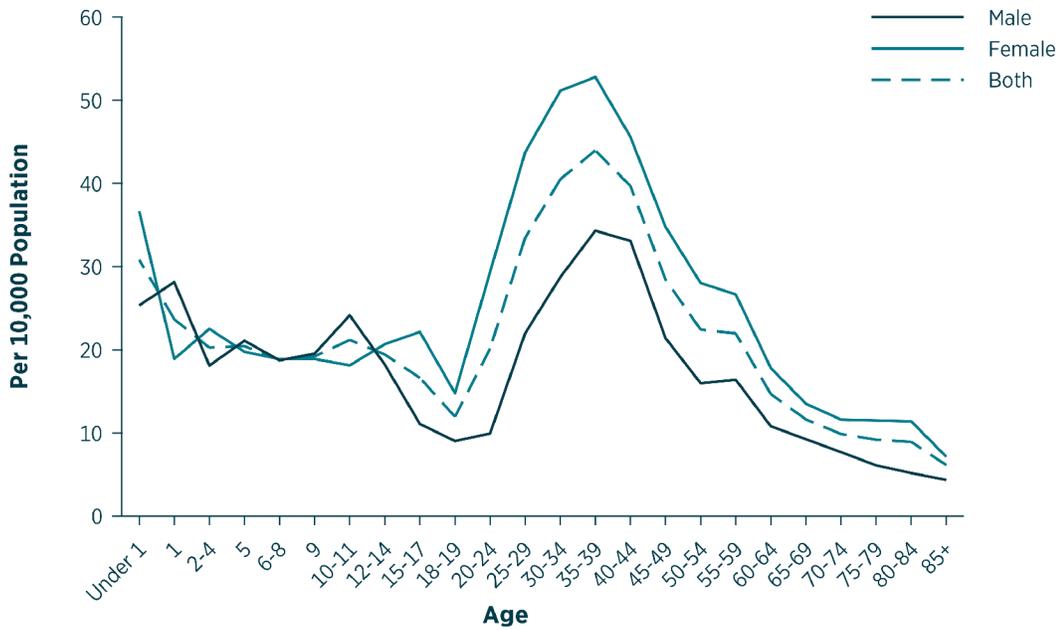
Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	52	31	21	27.16	31.41	22.63
1 year	68	37	31	28.24	29.74	26.64
2-4 years	164	82	82	19.90	19.53	20.28
5 years	91	50	41	30.49	32.96	27.94
6-8 years	314	158	156	34.72	34.40	35.05
9 years	108	39	69	37.73	27.21	48.28
10-11 years	177	66	111	32.31	23.78	41.08
12-14 years	338	164	174	41.83	40.35	43.33
15-17 years	373	93	280	46.95	23.42	70.47
18-19 years	336	132	204	64.80	51.80	77.36
20-24 years	1,547	616	931	110.52	92.80	126.50
25-29 years	2,186	1,015	1,171	165.58	162.90	167.98
30-34 years	1,993	951	1,042	172.05	172.88	171.30
35-39 years	1,731	638	1,093	181.66	140.33	219.37
40-44 years	1,854	944	910	210.18	226.34	195.68
45-49 years	2,071	955	1,116	240.60	234.92	245.69
50-54 years	1,971	921	1,050	215.58	216.50	214.79
55-59 years	1,966	921	1,045	249.67	255.95	244.38
60-64 years	1,466	636	830	236.39	229.21	242.19
65-69 years	1,307	646	661	281.52	314.40	255.42
70-74 years	912	370	542	281.71	258.87	299.76
75-79 years	752	369	383	329.07	375.80	293.87
80-84 years	480	219	261	329.63	378.37	297.47
85 years +	337	166	171	259.23	361.50	203.38
<b>Crude Total (All)</b>	<b>22,594</b>	<b>10,219</b>	<b>12,375</b>	<b>144.81</b>	<b>136.96</b>	<b>152.01</b>
<i>Age-adjusted (All)</i>				<i>162.42</i>	<i>155.45</i>	<i>168.31</i>
<b>Crude Total (Under 19)</b>				<b>37.33</b>	<b>31.17</b>	<b>43.60</b>
<i>Age-adjusted (Under 19)</i>				<i>37.55</i>	<i>31.31</i>	<i>43.74</i>
<b>Crude Total (40+)</b>				<b>244.84</b>	<b>252.27</b>	<b>238.65</b>
<i>Age-adjusted (40+)</i>				<i>248.02</i>	<i>255.78</i>	<i>240.65</i>

## 1.14 PARTNER RELATIONSHIPS

### 14A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 24.61 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 25.00 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 22.25 persons and the age-adjusted diagnostic prevalence rate was 22.21 persons. The AI/AN age-adjusted female diagnostic prevalence rate was 29.65 persons, and for males was 19.67 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for females was 25.83 persons and for males 17.69 persons. The AI/AN female crude diagnostic prevalence rate peaked at 52.79 persons for age group 35-39 years.

**CHART 14A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Partner Relationship Rates by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 14A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Partner Relationship by Age and Sex

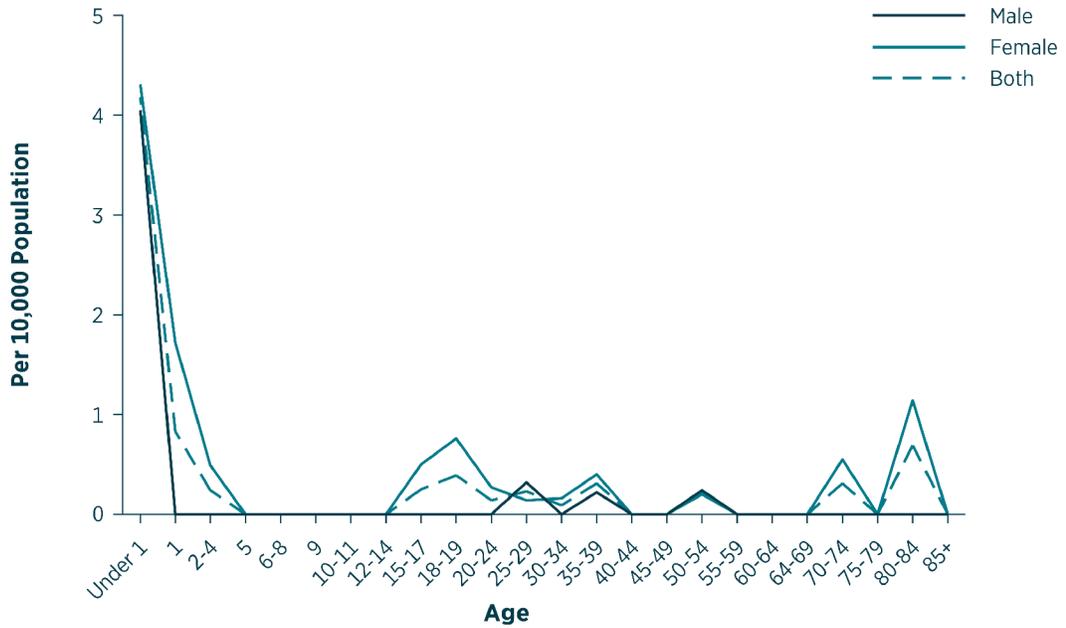
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	59	25	34	30.81	25.33	36.65
1 year	57	35	22	23.67	28.14	18.90
2-4 years	167	76	91	20.26	18.10	22.51
5 years	61	32	29	20.44	21.09	19.76
6-8 years	170	86	84	18.80	18.73	18.87
9 years	55	28	27	19.21	19.54	18.89
10-11 years	116	67	49	21.18	24.14	18.13
12-14 years	157	74	83	19.43	18.21	20.67
15-17 years	132	44	88	16.62	11.08	22.15
18-19 years	62	23	39	11.96	9.03	14.79
20-24 years	282	66	216	20.15	9.94	29.35
25-29 years	442	137	305	33.48	21.99	43.75
30-34 years	469	158	311	40.49	28.72	51.13
35-39 years	419	156	263	43.97	34.31	52.79
40-44 years	350	138	212	39.68	33.09	45.59
45-49 years	245	87	158	28.46	21.40	34.78
50-54 years	205	68	137	22.42	15.98	28.02
55-59 years	173	59	114	21.97	16.40	26.66
60-64 years	91	30	61	14.67	10.81	17.80
65-69 years	54	19	35	11.63	9.25	13.52
70-74 years	32	11	21	9.88	7.70	11.61
75-79 years	21	6	15	9.19	6.11	11.51
80-84 years	13	3	10	8.93	5.18	11.40
85 years +	8	2	6	6.15	4.36	7.14
<b>Crude Total (All)</b>	<b>3,840</b>	<b>1,430</b>	<b>2,410</b>	<b>24.61</b>	<b>19.17</b>	<b>29.60</b>
<i>Age-adjusted (All)</i>				<i>25.00</i>	<i>19.67</i>	<i>29.65</i>
<b>Crude Total (40+)</b>				<b>22.25</b>	<b>17.36</b>	<b>26.33</b>
<i>Age-adjusted (40+)</i>				<i>22.21</i>	<i>17.69</i>	<i>25.83</i>

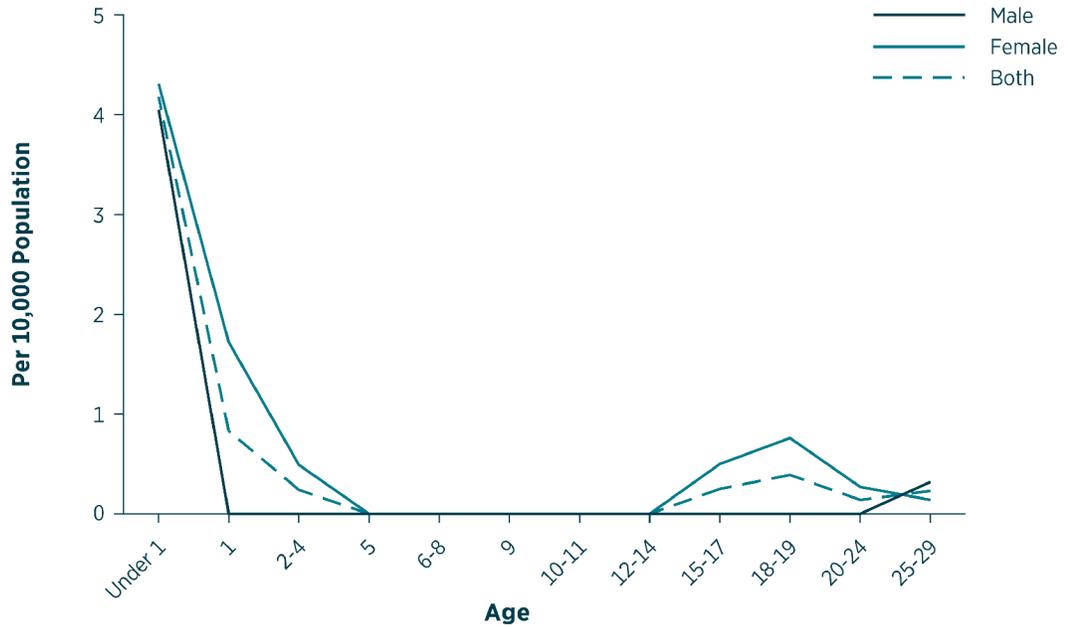
**14B.1-14B.3 Inpatient Encounters (Three Charts)**

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 0.19 encounters, and the AI/AN age-adjusted rate was 0.19 encounters. For AI/AN age group 40 and over, the crude rate was 0.07 encounters and the age-adjusted rate was 0.08 encounters. The AI/AN age-adjusted female rate was 0.27 encounters, and for males was 0.11 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 0.13 encounters and for males 0.04 encounters. The AI/AN female inpatient visit rate peaked at 4.31 encounters for age group Under 1 year.

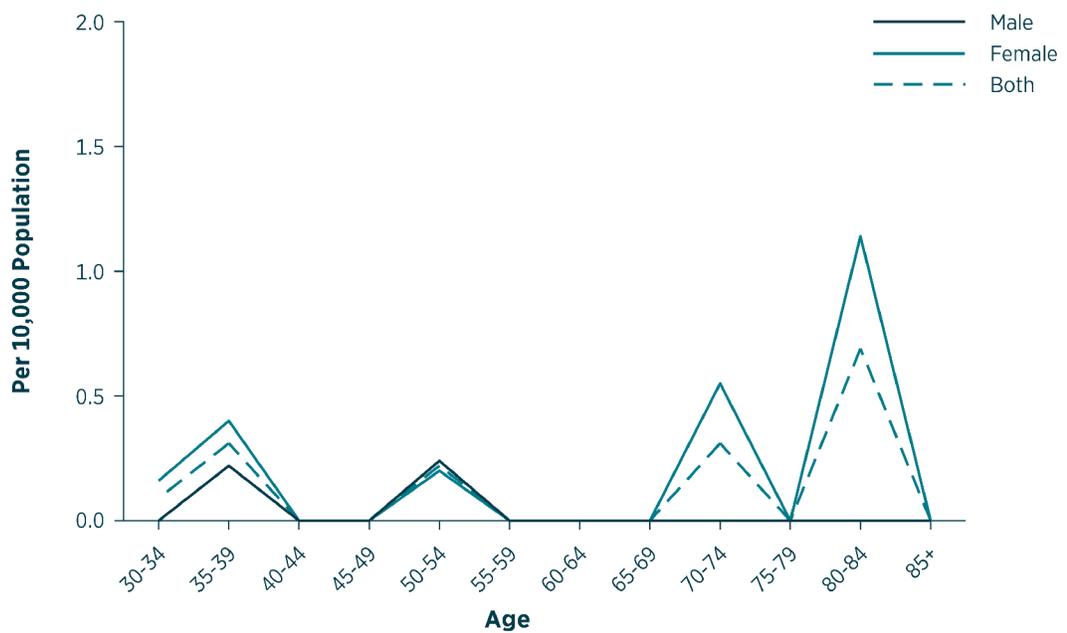
**CHART 14B.1** Inpatient Encounters with Partner Relationship Rates by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**CHART 14B.2** Inpatient Encounters with Partner Relationship Rates by Age and Sex (Under 1 to 29 Years of Age)  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**CHART 14B.3** Inpatient Encounters with Partner Relationship Rates by Age and Sex (Age 30 to 85 Years and Older)  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 14B** Inpatient Encounters with Partner Relationship by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	8	4	4	4.18	4.05	4.31
1 year	2	0	2	0.83	0.00	1.72
2-4 years	2	0	2	0.24	0.00	0.49
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	—*	—*	—*	—*	—*	—*
15-17 years	2	0	2	0.25	0.00	0.50
18-19 years	2	0	2	0.39	0.00	0.76
20-24 years	2	0	2	0.14	0.00	0.27
25-29 years	3	2	1	0.23	0.32	0.14
30-34 years	1	0	1	0.09	0.00	0.16
35-39 years	3	1	2	0.31	0.22	0.40
40-44 years	—*	—*	—*	—*	—*	—*
45-49 years	—*	—*	—*	—*	—*	—*
50-54 years	2	1	1	0.22	0.24	0.20
55-59 years	—*	—*	—*	—*	—*	—*
60-64 years	—*	—*	—*	—*	—*	—*
65-69 years	—*	—*	—*	—*	—*	—*
70-74 years	1	0	1	0.31	0.00	0.55
75-79 years	—*	—*	—*	—*	—*	—*
80-84 years	1	0	1	0.69	0.00	1.14
85 years +	—*	—*	—*	—*	—*	—*
<b>Crude Total (All)</b>	<b>29</b>	<b>8</b>	<b>21</b>	<b>0.19</b>	<b>0.11</b>	<b>0.26</b>
<i>Age-adjusted (All)</i>				<i>0.19</i>	<i>0.11</i>	<i>0.27</i>
<b>Crude Total (40+)</b>				<b>0.07</b>	<b>0.04</b>	<b>0.10</b>
<i>Age-adjusted (40+)</i>				<i>0.08</i>	<i>0.04</i>	<i>0.13</i>

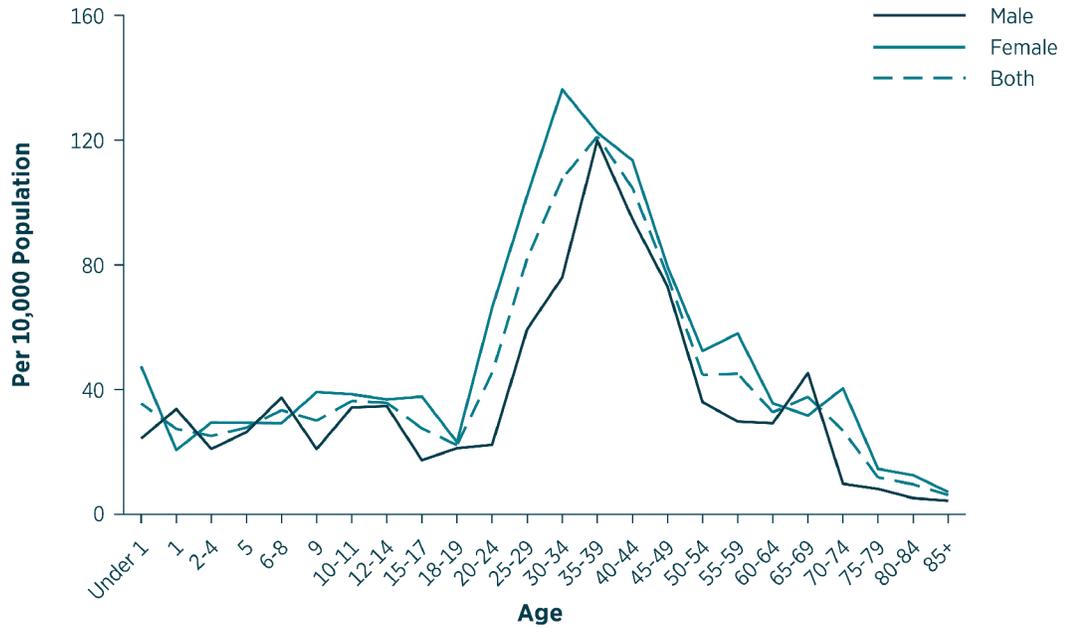
—\* Represents zero.

### 14C. Outpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 55.20 encounters, and the AI/AN age-adjusted rate was 57.48 encounters. For AI/AN age group 40 and over, the crude rate was 53.37 encounters and the age-adjusted rate was 53.61 encounters. The AI/AN age-adjusted female rate was 64.86 encounters, and for males was 48.99 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 57.53 encounters and for males was 48.66 encounters. The AI/AN female outpatient visit rate peaked at 136.28 encounters for age group 30-34 years.

**CHART 14C** Outpatient Encounters with Partner Relationship Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 14C** Outpatient Encounters with Partner Relationship by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	68	24	44	35.51	24.32	47.42
1 year	66	42	24	27.41	33.76	20.62
2-4 years	207	88	119	25.12	20.96	29.44
5 years	83	40	43	27.81	26.37	29.30
6-8 years	302	172	130	33.39	37.45	29.21
9 years	86	30	56	30.04	20.93	39.18
10-11 years	199	95	104	36.33	34.23	38.49
12-14 years	289	141	148	35.77	34.69	36.86
15-17 years	219	69	150	27.57	17.38	37.75
18-19 years	115	54	61	22.18	21.19	23.13
20-24 years	635	148	487	45.37	22.30	66.17
25-29 years	1,083	370	713	82.03	59.38	102.28
30-34 years	1,247	418	829	107.65	75.99	136.28
35-39 years	1,155	545	610	121.21	119.88	122.43
40-44 years	923	395	528	104.64	94.71	113.54
45-49 years	658	297	361	76.44	73.06	79.47
50-54 years	409	153	256	44.74	35.97	52.37
55-59 years	355	107	248	45.08	29.74	58.00
60-64 years	203	81	122	32.73	29.19	35.60
65-69 years	175	93	82	37.69	45.26	31.69
70-74 years	87	14	73	26.87	9.80	40.37
75-79 years	27	8	19	11.82	8.15	14.58
80-84 years	14	3	11	9.61	5.18	12.54
85 years +	8	2	6	6.15	4.36	7.14
<b>Crude Total (All)</b>	<b>8,613</b>	<b>3,389</b>	<b>5,224</b>	<b>55.20</b>	<b>45.42</b>	<b>64.17</b>
<i>Age-adjusted (All)</i>				<i>57.48</i>	<i>48.99</i>	<i>64.86</i>
<b>Crude Total (40+)</b>				<b>53.37</b>	<b>47.32</b>	<b>58.42</b>
<i>Age-adjusted (40+)</i>				<i>53.61</i>	<i>48.66</i>	<i>57.53</i>

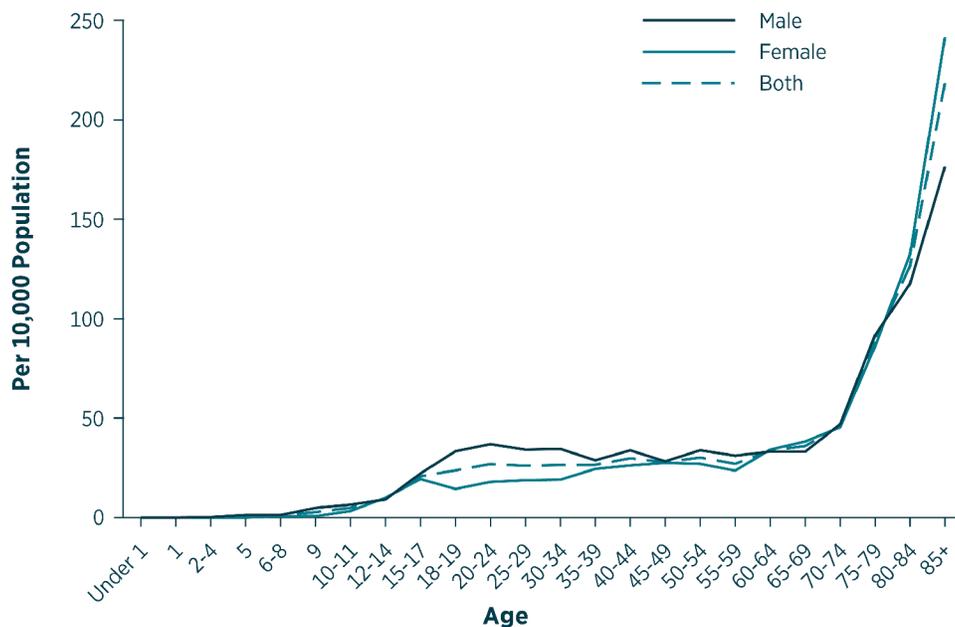
## 1.15 PSYCHOTIC DISORDERS

### 15A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 24.86 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 29.42 persons. For AI/AN age group under 19, the crude diagnostic prevalence rate was 7.61 persons and the age-adjusted diagnostic prevalence rate was 7.82 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 40.83 persons and the age-adjusted diagnostic prevalence rate was 45.75 persons. The AI/AN age-adjusted male diagnostic prevalence rate was 29.92 persons, and for females was 29.36 persons. For AI/AN age group under 19, the AI/AN age-adjusted diagnostic prevalence rate for males was 9.31 persons and for females 6.34 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for females was 48.94 persons and for males 42.57 persons. The AI/AN male crude diagnostic prevalence rate peaked at 241.44 persons for age group 85 and over.

**CHART 15A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Psychotic Disorder Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 15A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Psychotic Disorder by Age and SexAmerican Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	1	1	0	0.12	0.24	0.00
5 years	2	2	0	0.67	1.32	0.00
6-8 years	9	6	3	1.00	1.31	0.67
9 years	8	7	1	2.79	4.88	0.70
10-11 years	27	18	9	4.93	6.49	3.33
12-14 years	77	37	40	9.53	9.10	9.96
15-17 years	165	88	77	20.77	22.16	19.38
18-19 years	123	85	38	23.72	33.35	14.41
20-24 years	377	245	132	26.93	36.91	17.94
25-29 years	344	213	131	26.06	34.18	18.79
30-34 years	306	190	116	26.42	34.54	19.07
35-39 years	253	131	122	26.55	28.81	24.49
40-44 years	263	141	122	29.81	33.81	26.23
45-49 years	240	115	125	27.88	28.29	27.52
50-54 years	276	144	132	30.19	33.85	27.00
55-59 years	213	112	101	27.05	31.13	23.62
60-64 years	209	92	117	33.70	33.16	34.14
65-69 years	167	68	99	35.97	33.09	38.25
70-74 years	149	67	82	46.02	46.88	45.35
75-79 years	202	90	112	88.39	91.66	85.94
80-84 years	184	68	116	126.36	117.48	132.21
85 years +	284	81	203	218.46	176.39	241.44
<b>Crude Total (All)</b>	<b>3,879</b>	<b>2,001</b>	<b>1,878</b>	<b>24.86</b>	<b>26.82</b>	<b>23.07</b>
<i>Age-adjusted (All)</i>				29.42	29.92	29.36
<b>Crude Total (Under 19)</b>				<b>7.61</b>	<b>8.93</b>	<b>6.27</b>
<i>Age-adjusted (Under 19)</i>				7.82	9.31	6.34
<b>Crude Total (40+)</b>				<b>40.83</b>	<b>40.14</b>	<b>41.40</b>
<i>Age-adjusted (40+)</i>				45.75	42.57	48.94

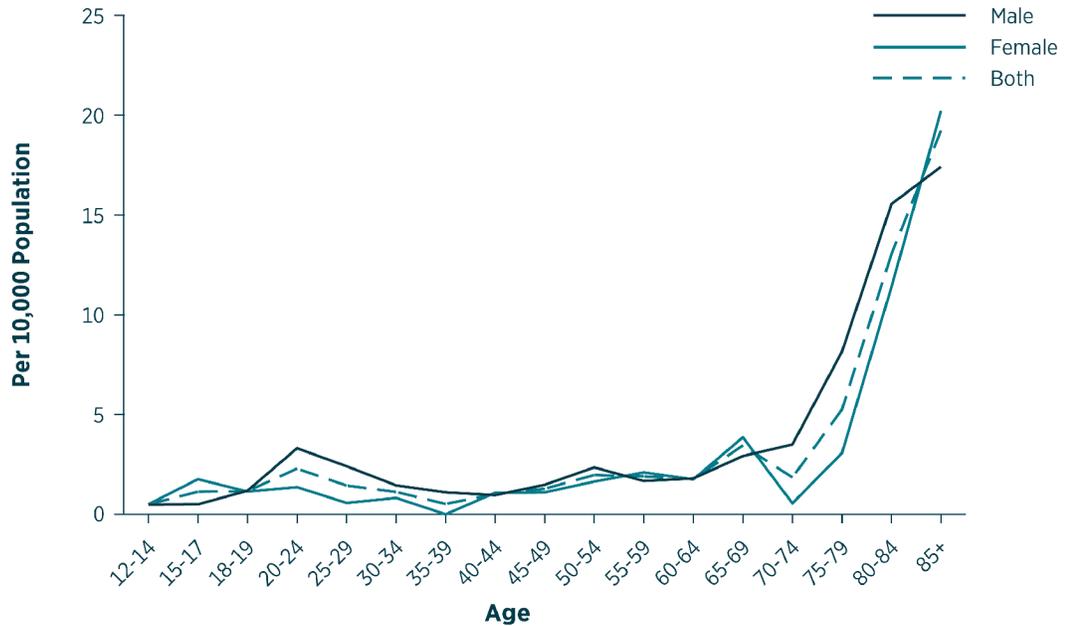
—\* Represents zero.

### 15B. Inpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 1.47 encounters, and the AI/AN age-adjusted rate was 1.78 encounters. For AI/AN age group under 19, the crude rate was 0.35 encounters and the age-adjusted rate was 0.36 encounters. For AI/AN age group 40 and over, the crude rate was 2.65 encounters and the age-adjusted rate was 3.04 encounters. The AI/AN age-adjusted male rate was 1.90 encounters, and for females was 1.69 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 0.45 encounters and for males 0.27 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 3.07 encounters and for males 3.02 encounters. The AI/AN female inpatient visit rate peaked at 20.22 encounters for age group 85 and over.

**CHART 15B** Inpatient Encounters with Psychotic Disorder Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 15B** Inpatient Encounters with Psychotic Disorder by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	4	2	2	0.50	0.49	0.50
15-17 years	9	2	7	1.13	0.50	1.76
18-19 years	6	3	3	1.16	1.18	1.14
20-24 years	32	22	10	2.29	3.31	1.36
25-29 years	19	15	4	1.44	2.41	0.57
30-34 years	13	8	5	1.12	1.45	0.82
35-39 years	5	5	0	0.52	1.10	0.00
40-44 years	9	4	5	1.02	0.96	1.08
45-49 years	11	6	5	1.28	1.48	1.10
50-54 years	18	10	8	1.97	2.35	1.64
55-59 years	15	6	9	1.90	1.67	2.10
60-64 years	11	5	6	1.77	1.80	1.75
65-69 years	16	6	10	3.45	2.92	3.86
70-74 years	6	5	1	1.85	3.50	0.55
75-79 years	12	8	4	5.25	8.15	3.07
80-84 years	19	9	10	13.05	15.55	11.40
85 years +	25	8	17	19.23	17.42	20.22
<b>Crude Total (All)</b>	<b>230</b>	<b>124</b>	<b>106</b>	<b>1.47</b>	<b>1.66</b>	<b>1.30</b>
<i>Age-adjusted (All)</i>				<i>1.78</i>	<i>1.90</i>	<i>1.69</i>
<b>Crude Total (Under 19)</b>				<b>0.35</b>	<b>0.26</b>	<b>0.45</b>
<i>Age-adjusted (Under 19)</i>				<i>0.36</i>	<i>0.27</i>	<i>0.45</i>
<b>Crude Total (40+)</b>				<b>2.65</b>	<b>2.75</b>	<b>2.57</b>
<i>Age-adjusted (40+)</i>				<i>3.04</i>	<i>3.02</i>	<i>3.07</i>

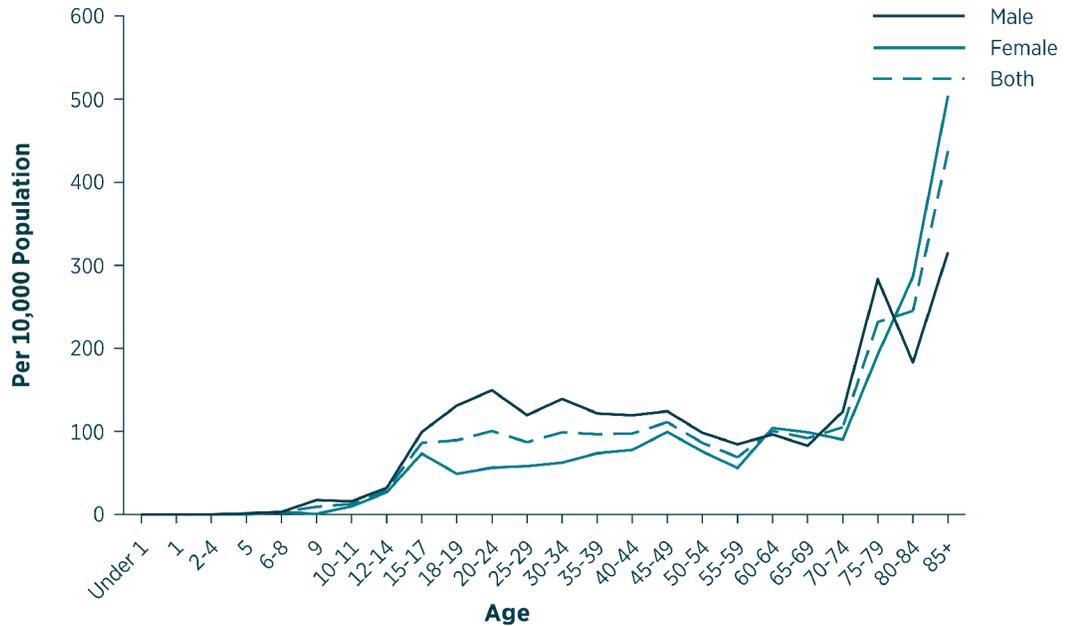
—\* Represents zero.

### 15C. Outpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 77.68 encounters, and the AI/AN age-adjusted rate was 87.86 encounters. For AI/AN age group under 19, the crude rate was 27.89 encounters and the age-adjusted rate was 28.70 encounters. For AI/AN age group 40 and over, the crude rate was 111.84 encounters and the age-adjusted rate was 122.06 encounters. The AI/AN age-adjusted male rate was 99.94 encounters, and for females was 78.15 encounters. For AI/AN age group under 19, the age-adjusted rate for males was 36.12 encounters and for females 21.41 encounters. For AI/AN age group 40 and over, the age-adjusted rate for males was 124.01 encounters and for females 121.89 encounters. The AI/AN male outpatient visit rate peaked at 504.28 encounters for age group 85 and over.

**CHART 15C** Outpatient Encounters with Psychotic Disorder Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 15C** Outpatient Encounters with Psychotic Disorder by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	1	1	0	0.12	0.24	0.00
5 years	2	2	0	0.67	1.32	0.00
6-8 years	26	13	13	2.88	2.83	2.92
9 years	26	25	1	9.08	17.44	0.70
10-11 years	70	44	26	12.78	15.85	9.62
12-14 years	237	130	107	29.33	31.98	26.65
15-17 years	685	394	291	86.23	99.23	73.24
18-19 years	463	334	129	89.29	131.06	48.92
20-24 years	1,406	992	414	100.45	149.44	56.25
25-29 years	1,149	745	404	87.03	119.56	57.96
30-34 years	1,144	765	379	98.76	139.07	62.31
35-39 years	920	553	367	96.55	121.63	73.66
40-44 years	859	498	361	97.38	119.40	77.63
45-49 years	956	505	451	111.06	124.22	99.29
50-54 years	788	418	370	86.19	98.26	75.69
55-59 years	543	304	239	68.96	84.48	55.89
60-64 years	624	267	357	100.62	96.23	104.17
65-69 years	426	170	256	91.76	82.74	98.92
70-74 years	340	177	163	105.02	123.84	90.15
75-79 years	529	278	251	231.49	283.12	192.59
80-84 years	357	106	251	245.16	183.14	286.07
85 years +	569	145	424	437.69	315.77	504.28
<b>Crude Total (All)</b>	<b>12,120</b>	<b>6,866</b>	<b>5,254</b>	<b>77.68</b>	<b>92.02</b>	<b>64.54</b>
<i>Age-adjusted (All)</i>				<i>87.86</i>	<i>99.94</i>	<i>78.15</i>
<b>Crude Total (Under 19)</b>				<b>27.89</b>	<b>34.50</b>	<b>21.15</b>
<i>Age-adjusted (Under 19)</i>				<i>28.70</i>	<i>36.12</i>	<i>21.41</i>
<b>Crude Total (40+)</b>				<b>111.84</b>	<b>117.70</b>	<b>106.94</b>
<i>Age-adjusted (40+)</i>				<i>122.06</i>	<i>124.01</i>	<i>121.89</i>

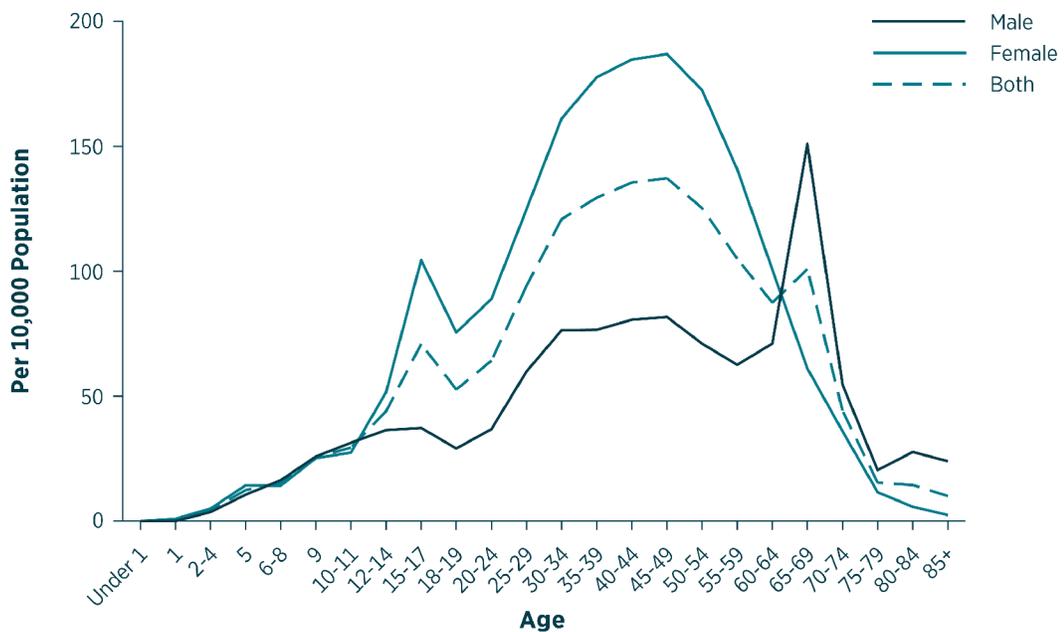
—\* Represents zero.

## 1.16 POST-TRAUMATIC STRESS DISORDER

### 16A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 76.78 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 81.14 persons. For AI/AN age group under 19, the crude diagnostic prevalence rate was 30.22 persons and the age-adjusted diagnostic prevalence rate was 30.54 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 103.98 persons and the age-adjusted diagnostic prevalence rate was 99.93 persons. The AI/AN age-adjusted female diagnostic prevalence rate was 103.71 persons, and for males was 55.13 persons. For AI/AN age group under 19, the AI/AN age-adjusted diagnostic prevalence rate for females was 38.83 persons and for males 22.16 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for females was 120.39 persons and for males 73.61 persons. The AI/AN female crude diagnostic prevalence rate peaked at 186.91 persons for age group 45-49 years.

**CHART 16A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Post-Traumatic Stress Disorder (PTSD) Rates by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 16A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Post-Traumatic Stress Disorder by Age and SexAmerican Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

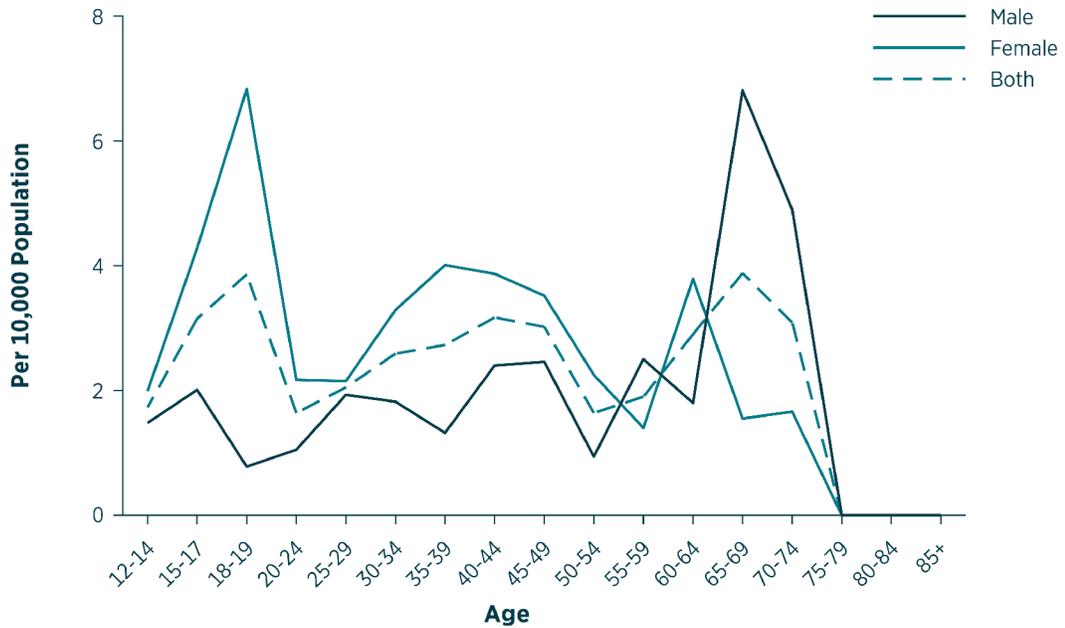
Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	1	0	1	0	0	1
2-4 years	35	15	20	4.25	3.57	4.95
5 years	37	16	21	12.40	10.55	14.31
6-8 years	138	75	63	15.26	16.33	14.16
9 years	73	37	36	25.50	25.82	25.19
10-11 years	161	87	74	29.39	31.34	27.39
12-14 years	355	148	207	43.94	36.41	51.55
15-17 years	563	148	415	70.87	37.28	104.44
18-19 years	273	74	199	52.65	29.04	75.46
20-24 years	898	244	654	64.16	36.76	88.87
25-29 years	1,243	373	870	94.15	59.86	124.80
30-34 years	1,400	420	980	120.86	76.35	161.11
35-39 years	1,233	348	885	129.40	76.54	177.63
40-44 years	1,195	336	859	135.47	80.56	184.72
45-49 years	1,181	332	849	137.20	81.67	186.91
50-54 years	1,145	302	843	125.24	70.99	172.45
55-59 years	827	225	602	105.02	62.53	140.78
60-64 years	542	197	345	87.40	71.00	100.67
65-69 years	468	310	158	100.81	150.87	61.05
70-74 years	143	78	65	44.17	54.57	35.95
75-79 years	35	20	15	15.32	20.37	11.51
80-84 years	21	16	5	14.42	27.64	5.70
85 years +	13	11	2	10.00	23.95	2.38
<b>Crude Total (All)</b>	<b>11,980</b>	<b>3,812</b>	<b>8,168</b>	<b>76.78</b>	<b>51.09</b>	<b>100.34</b>
<i>Age-adjusted (All)</i>				<i>81.14</i>	<i>55.13</i>	<i>103.71</i>
<b>Crude Total (Under 19)</b>				<b>30.22</b>	<b>21.95</b>	<b>38.64</b>
<i>Age-adjusted (Under 19)</i>				<i>30.54</i>	<i>22.16</i>	<i>38.83</i>
<b>Crude Total (40+)</b>				<b>103.98</b>	<b>74.98</b>	<b>128.18</b>
<i>Age-adjusted (40+)</i>				<i>99.93</i>	<i>73.61</i>	<i>120.39</i>

—\* Represents zero.

### 16B. Inpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 1.89 encounters, and the AI/AN age-adjusted rate was 1.98 encounters. For AI/AN age group under 19, the crude rate was 1.09 encounters and the age-adjusted rate was 1.12 encounters. For AI/AN age group 40 and over, the crude rate was 2.43 encounters and the age-adjusted rate was 2.36 encounters. The AI/AN age-adjusted female rate was 2.31 encounters, and for males was 1.60 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 1.63 encounters and for males 0.60 encounters. For AI/AN age group 40 and over, the age-adjusted rate for males was 2.40 encounters and for females 2.32 encounters. The AI/AN female inpatient visit rate peaked at 6.83 encounters for age group 18-19 years.

**CHART 16B** Inpatient Encounters with Post-Traumatic Stress Rates by Age and Sex  
 American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 16B** Inpatient Encounters with Post-Traumatic Stress Disorder by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	14	6	8	1.73	1.48	1.99
15-17 years	25	8	17	3.15	2.01	4.28
18-19 years	20	2	18	3.86	0.78	6.83
20-24 years	23	7	16	1.64	1.05	2.17
25-29 years	27	12	15	2.05	1.93	2.15
30-34 years	30	10	20	2.59	1.82	3.29
35-39 years	26	6	20	2.73	1.32	4.01
40-44 years	28	10	18	3.17	2.40	3.87
45-49 years	26	10	16	3.02	2.46	3.52
50-54 years	15	4	11	1.64	0.94	2.25
55-59 years	15	9	6	1.90	2.50	1.40
60-64 years	18	5	13	2.90	1.80	3.79
65-69 years	18	14	4	3.88	6.81	1.55
70-74 years	10	7	3	3.09	4.90	1.66
75-79 years	—*	—*	—*	—*	—*	—*
80-84 years	—*	—*	—*	—*	—*	—*
85 years +	—*	—*	—*	—*	—*	—*
<b>Crude Total (All)</b>	<b>295</b>	<b>110</b>	<b>185</b>	<b>1.89</b>	<b>1.47</b>	<b>2.27</b>
<i>Age-adjusted (All)</i>				<i>1.98</i>	<i>1.60</i>	<i>2.31</i>
<b>Crude Total (Under 19)</b>				<b>1.09</b>	<b>0.59</b>	<b>1.60</b>
<i>Age-adjusted (Under 19)</i>				<i>1.12</i>	<i>0.60</i>	<i>1.63</i>
<b>Crude Total (40+)</b>				<b>2.43</b>	<b>2.42</b>	<b>2.43</b>
<i>Age-adjusted (40+)</i>				<i>2.36</i>	<i>2.40</i>	<i>2.32</i>

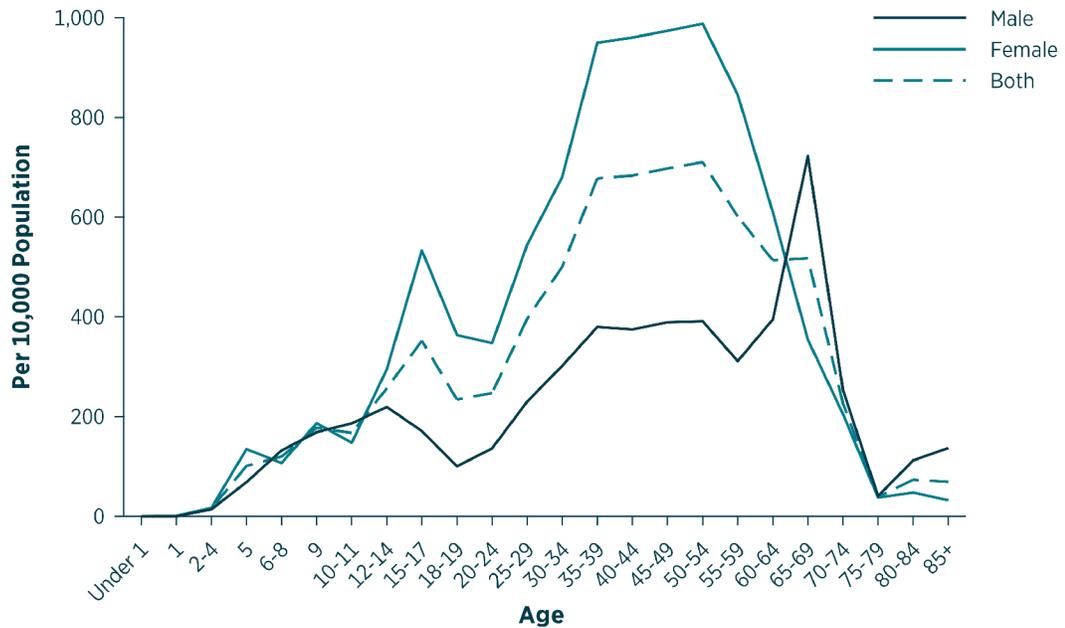
—\* Represents zero.

### 16C. Outpatient Encounters

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 383.68 encounters, and the AI/AN age-adjusted rate was 408.64 encounters. For AI/AN age group under 19, the crude rate was 166.80 encounters and the age-adjusted rate was 167.44 encounters. For AI/AN age group 40 and over, the crude rate was 557.67 encounters and the age-adjusted rate was 530.43 encounters. The AI/AN age-adjusted female rate was 536.17 encounters, and for males was 262.22 encounters. For AI/AN age group under 19, the age-adjusted rate for females was 211.70 encounters and for males 122.63 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 663.87 encounters and for males 360.28 encounters. The AI/AN female outpatient visit rate peaked at 988.24 encounters for age group 50-54 years.

**CHART 16C** Outpatient Encounters with Post-Traumatic Stress Disorder Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 16C** Outpatient Encounters with Post-Traumatic Stress Disorder by Age and Sex  
American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	1	0	1	0.42	0.00	0.86
2-4 years	128	59	69	15.53	14.05	17.07
5 years	302	104	198	101.19	68.56	134.93
6-8 years	1,084	607	477	119.87	132.17	107.17
9 years	509	242	267	177.82	168.85	186.82
10-11 years	917	518	399	167.40	186.63	147.66
12-14 years	2,077	892	1,185	257.05	219.45	295.11
15-17 years	2,798	679	2,119	352.22	171.02	533.30
18-19 years	1,215	256	959	234.31	100.46	363.67
20-24 years	3,462	905	2,557	247.33	136.34	347.45
25-29 years	5,234	1,435	3,799	396.46	230.30	544.98
30-34 years	5,803	1,661	4,142	500.95	301.95	680.93
35-39 years	6,459	1,727	4,732	677.84	379.86	949.74
40-44 years	6,029	1,563	4,466	683.47	374.76	960.35
45-49 years	6,006	1,583	4,423	697.75	389.39	973.71
50-54 years	6,496	1,665	4,831	710.52	391.39	988.24
55-59 years	4,736	1,120	3,616	601.44	311.26	845.61
60-64 years	3,186	1,096	2,090	513.73	395.00	609.86
65-69 years	2,402	1,485	917	517.38	722.73	354.34
70-74 years	733	362	371	226.42	253.27	205.19
75-79 years	89	40	49	38.95	40.74	37.60
80-84 years	107	65	42	73.48	112.30	47.87
85 years +	90	63	27	69.23	137.20	32.11
<b>Crude Total (All)</b>	<b>59,863</b>	<b>18,127</b>	<b>41,736</b>	<b>383.68</b>	<b>242.94</b>	<b>512.68</b>
<i>Age-adjusted (All)</i>				<i>408.64</i>	<i>262.22</i>	<i>536.17</i>
<b>Crude Total (Under 19)</b>				<b>166.80</b>	<b>122.82</b>	<b>211.64</b>
<i>Age-adjusted (Under 19)</i>				<i>167.44</i>	<i>122.63</i>	<i>211.70</i>
<b>Crude Total (40+)</b>				<b>557.67</b>	<b>371.08</b>	<b>713.38</b>
<i>Age-adjusted (40+)</i>				<i>530.43</i>	<i>360.28</i>	<i>663.87</i>

—\* Represents zero.

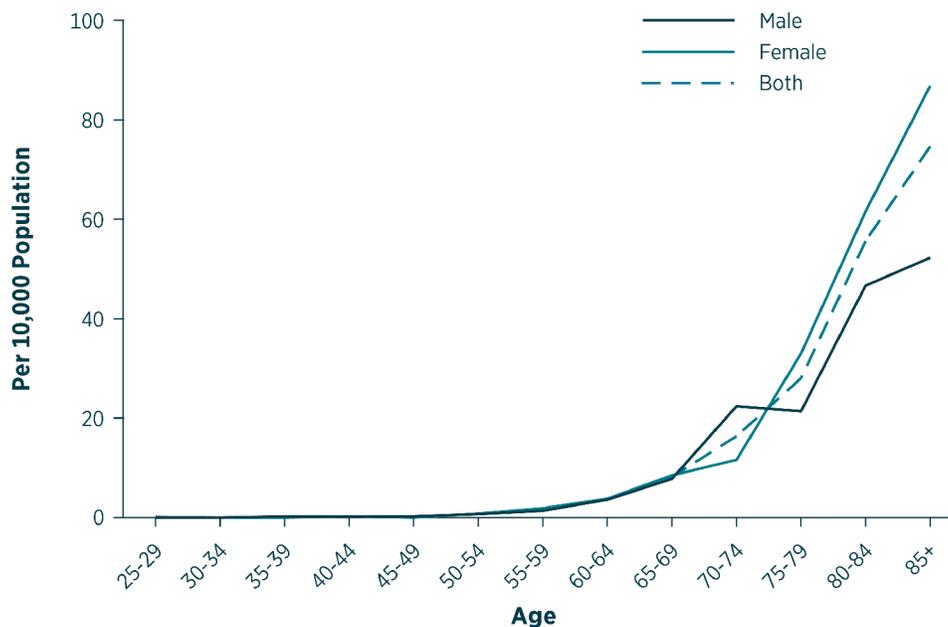
## 1.17 VASCULAR DEMENTIA

### 17A. Diagnostic Prevalence

In Fiscal Year 2014, the AI/AN crude diagnostic prevalence rate per 10,000 population was 2.44 persons, and the AI/AN age-adjusted diagnostic prevalence rate was 4.02 persons. For AI/AN age group 40 and over, the crude diagnostic prevalence rate was 7.07 persons and the age-adjusted diagnostic prevalence rate was 9.31 persons. The AI/AN age-adjusted female diagnostic prevalence rate was 5.26 persons, and for males was 2.81 persons. For AI/AN age group 40 and over, the AI/AN age-adjusted diagnostic prevalence rate for females was 11.67 persons and for males 6.81 persons. The AI/AN female crude diagnostic prevalence rate peaked at 86.82 persons for age group 85 and over.

**CHART 17A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Vascular Dementia Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 17A** Diagnostic Prevalence Behavioral Health Inpatient or Outpatient Encounters with Vascular Dementia by Age and SexAmerican Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Diagnostic Prevalence			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	—*	—*	—*	—*	—*	—*
15-17 years	—*	—*	—*	—*	—*	—*
18-19 years	—*	—*	—*	—*	—*	—*
20-24 years	—*	—*	—*	—*	—*	—*
25-29 years	1	0	1	0.08	0.00	0.14
30-34 years	—*	—*	—*	—*	—*	—*
35-39 years	1	1	0	0.10	0.22	0.00
40-44 years	2	1	1	0.23	0.24	0.22
45-49 years	1	1	0	0.12	0.25	0.00
50-54 years	7	3	4	0.77	0.71	0.82
55-59 years	13	5	8	1.65	1.39	1.87
60-64 years	23	10	13	3.71	3.60	3.79
65-69 years	38	16	22	8.19	7.79	8.50
70-74 years	53	32	21	16.37	22.39	11.61
75-79 years	64	21	43	28.01	21.39	32.99
80-84 years	81	27	54	55.62	46.65	61.55
85 years +	97	24	73	74.62	52.26	86.82
<b>Crude Total (All)</b>	<b>381</b>	<b>141</b>	<b>240</b>	<b>2.44</b>	<b>1.89</b>	<b>2.95</b>
<i>Age-adjusted (All)</i>				4.02	2.81	5.26
<b>Crude Total (40+)</b>				<b>7.07</b>	<b>5.75</b>	<b>8.18</b>
<i>Age-adjusted (40+)</i>				9.31	6.81	11.67

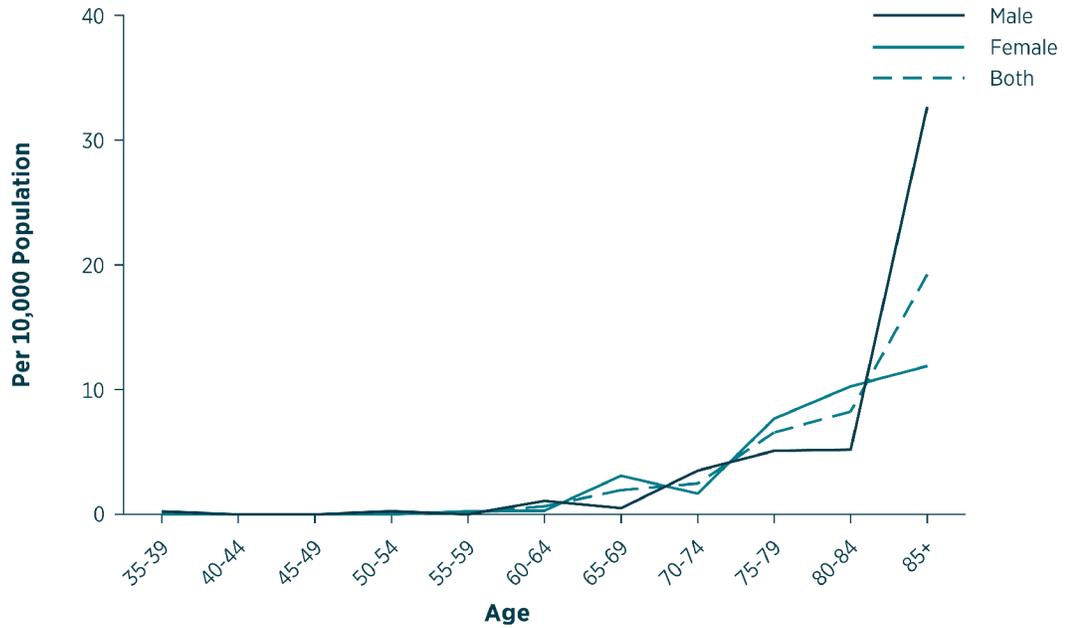
—\* Represents zero.

**17B. Inpatient Encounters**

In Fiscal Year 2014, the AI/AN crude rate for inpatient encounters per 10,000 population was 0.49 encounters, and the AI/AN age-adjusted rate was 0.81 encounters. For AI/AN age group 40 and over, the crude rate was 1.40 encounters and the age-adjusted rate was 1.87 encounters. The AI/AN age-adjusted female rate was 0.91 encounters, and for males was 0.68 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 2.02 encounters and for males 1.61 encounters. The AI/AN male inpatient visit rate peaked at 32.67 encounters for age group 85 and over.

**CHART 17B** Inpatient Encounters with Vascular Dementia Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 17B** Inpatient Encounters with Vascular Dementia by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	—*	—*	—*	—*	—*	—*
15-17 years	—*	—*	—*	—*	—*	—*
18-19 years	—*	—*	—*	—*	—*	—*
20-24 years	—*	—*	—*	—*	—*	—*
25-29 years	—*	—*	—*	—*	—*	—*
30-34 years	—*	—*	—*	—*	—*	—*
35-39 years	1	1	0	0.10	0.22	0.00
40-44 years	—*	—*	—*	—*	—*	—*
45-49 years	—*	—*	—*	—*	—*	—*
50-54 years	1	1	0	0.11	0.24	0.00
55-59 years	1	0	1	0.13	0.00	0.23
60-64 years	4	3	1	0.64	1.08	0.29
65-69 years	9	1	8	1.94	0.49	3.09
70-74 years	8	5	3	2.47	3.50	1.66
75-79 years	15	5	10	6.56	5.09	7.67
80-84 years	12	3	9	8.24	5.18	10.26
85 years +	25	15	10	19.23	32.67	11.89
<b>Crude Total (All)</b>	<b>76</b>	<b>34</b>	<b>42</b>	<b>0.49</b>	<b>0.46</b>	<b>0.52</b>
<i>Age-adjusted (All)</i>				<i>0.81</i>	<i>0.68</i>	<i>0.91</i>
<b>Crude Total (40+)</b>				<b>1.40</b>	<b>1.35</b>	<b>1.44</b>
<i>Age-adjusted (40+)</i>				<i>1.87</i>	<i>1.61</i>	<i>2.02</i>

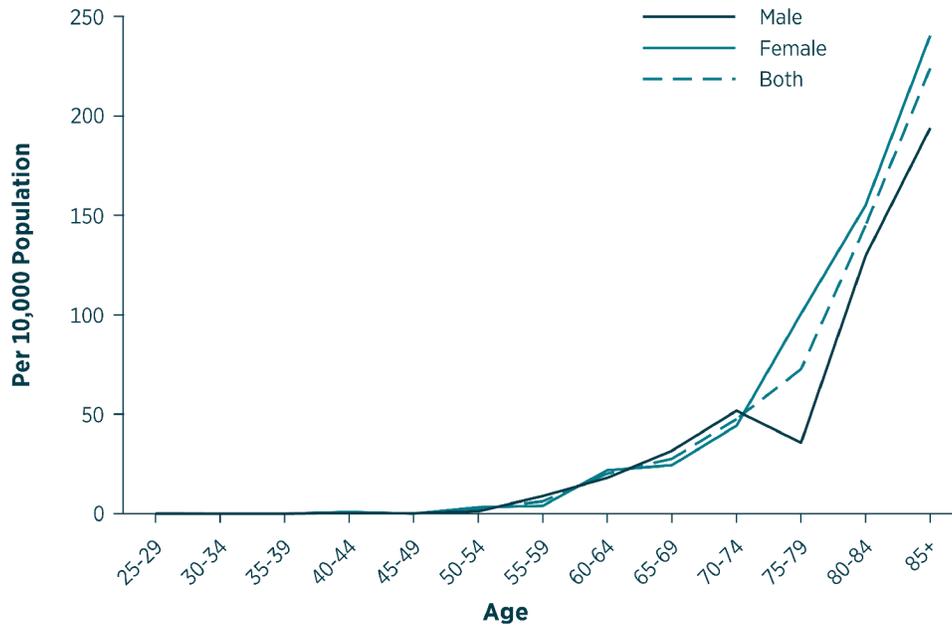
—\* Represents zero.

**17C. Outpatient Encounters**

In Fiscal Year 2014, the AI/AN crude rate for outpatient encounters per 10,000 population was 7.38 encounters, and the AI/AN age-adjusted rate was 11.76 encounters. For AI/AN age group 40 and over, the crude rate was 21.49 encounters and the age-adjusted rate was 27.32 encounters. The AI/AN age-adjusted female rate was 15.42 encounters, and for males was 8.10 encounters. For AI/AN age group 40 and over, the age-adjusted rate for females was 34.26 encounters and for males 19.75 encounters. The AI/AN female outpatient visit rate peaked at 240.25 encounters for age group 85 and over.

**CHART 17C** Outpatient Encounters with Vascular Dementia Rates by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014



**TABLE 17C** Outpatient Encounters with Vascular Dementia by Age and Sex

American Indians and Alaska Natives, All IHS Service Areas, Fiscal Year 2014  
(Per 10,000 Population)

Age Group	Number of Encounters			Rate		
	Both	Male	Female	Both	Male	Female
Under 1 year	—*	—*	—*	—*	—*	—*
1 year	—*	—*	—*	—*	—*	—*
2-4 years	—*	—*	—*	—*	—*	—*
5 years	—*	—*	—*	—*	—*	—*
6-8 years	—*	—*	—*	—*	—*	—*
9 years	—*	—*	—*	—*	—*	—*
10-11 years	—*	—*	—*	—*	—*	—*
12-14 years	—*	—*	—*	—*	—*	—*
15-17 years	—*	—*	—*	—*	—*	—*
18-19 years	—*	—*	—*	—*	—*	—*
20-24 years	—*	—*	—*	—*	—*	—*
25-29 years	1	0	1	0.08	0.00	0.14
30-34 years	—*	—*	—*	—*	—*	—*
35-39 years	—*	—*	—*	—*	—*	—*
40-44 years	5	1	4	0.57	0.24	0.86
45-49 years	1	1	0	0.12	0.25	0.00
50-54 years	21	5	16	2.30	1.18	3.27
55-59 years	49	32	17	6.22	8.89	3.98
60-64 years	125	50	75	20.16	18.02	21.89
65-69 years	128	65	63	27.57	31.63	24.34
70-74 years	154	74	80	47.57	51.77	44.25
75-79 years	166	35	131	72.64	35.65	100.51
80-84 years	211	75	136	144.90	129.58	155.00
85 years +	291	89	202	223.85	193.82	240.25
<b>Crude Total (All)</b>	<b>1,152</b>	<b>427</b>	<b>725</b>	<b>7.38</b>	<b>5.72</b>	<b>8.91</b>
<i>Age-adjusted (All)</i>				<i>11.76</i>	<i>8.10</i>	<i>15.42</i>
<b>Crude Total (40+)</b>				<b>21.49</b>	<b>17.52</b>	<b>24.79</b>
<i>Age-adjusted (40+)</i>				<i>27.32</i>	<i>19.75</i>	<i>34.26</i>

—\* Represents zero.



## PART II

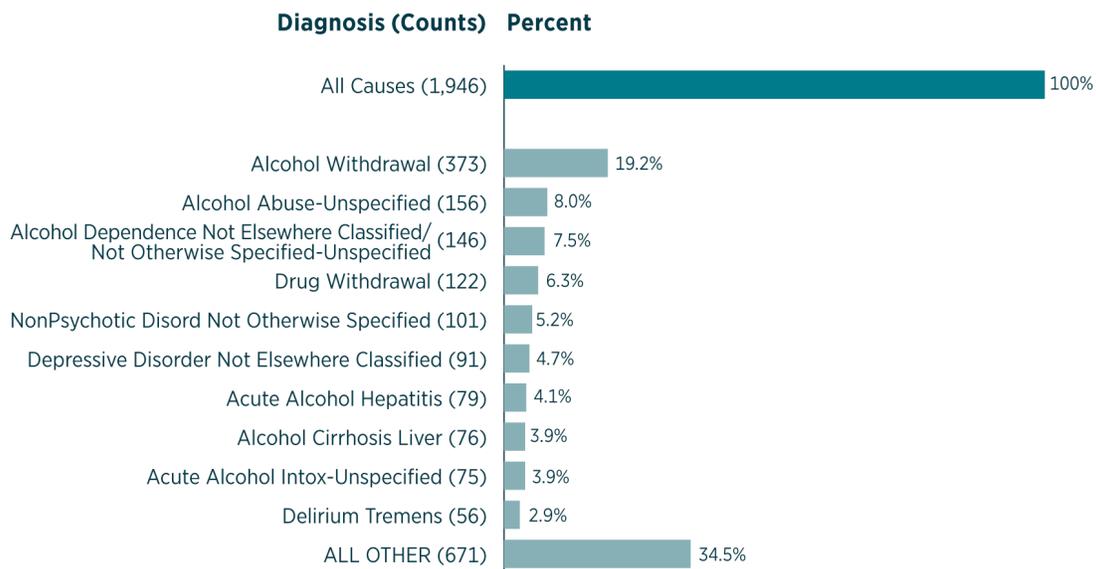
# TOP RANKING AI/AN BEHAVIORAL HEALTH CONDITIONS BY AGE AND SEX

INDIAN HEALTH SERVICE REPORT:  
BEHAVIORAL HEALTH 2018 EDITION

## 2.1 TOP TEN DIRECT INPATIENT PRINCIPAL DIAGNOSES

In Fiscal Year 2014, the most frequent clinical impression found in 1,946 AI/AN discharges at IHS and Tribal direct inpatient facilities in FY 2014 with a behavioral health condition was Alcohol Withdrawal at 19.2 percent, followed by Alcohol Abuse-Unspecified at 8.0 percent.

**CHART 1** Top Ten Direct Inpatient Principal Diagnoses, American Indians and Alaska Natives  
IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014



**TABLE 1** Top Ten Direct Inpatient Principal Diagnoses, American Indians and Alaska Natives  
IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014

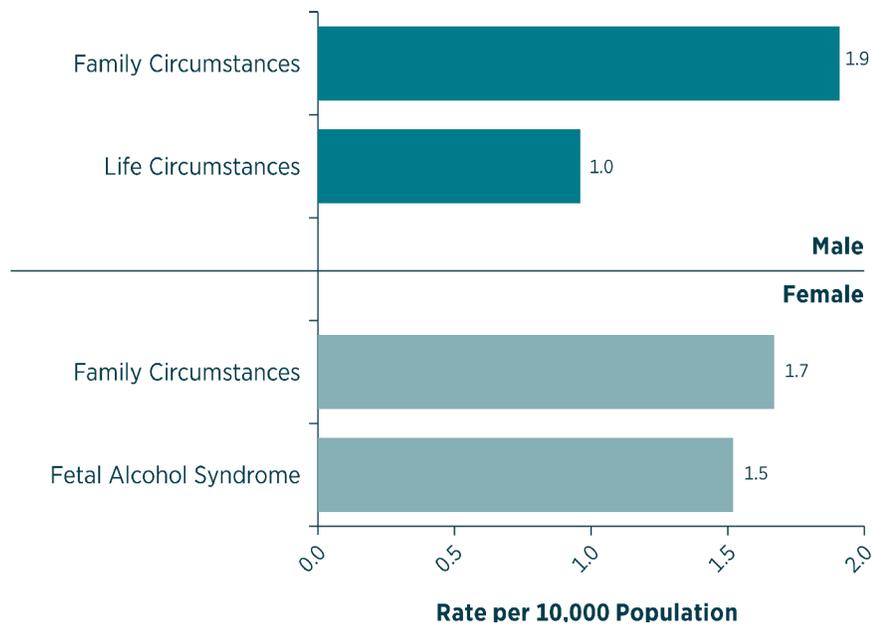
Principal Diagnosis Code	Principal Diagnosis Description	Discharges	Percentage
<b>All Categories</b>		<b>1,946</b>	<b>100.0%</b>
291.81	Alcohol Withdrawal	373	19.2%
305.00	Alcohol Abuse-Unspecified	156	8.0%
303.90	Alcohol Dep Not Elsewhere Classified/Not Otherwise Specified-Unspecified	146	7.5%
292.0	Drug Withdrawal	122	6.3%
300.9	Nonpsychotic Disorder Not Otherwise Specified	101	5.2%
311	Depressive Disorder Not Elsewhere Classified	91	4.7%
571.1	Acute Alcoholic Hepatitis	79	4.1%
571.2	Alcohol Cirrhosis Liver	76	3.9%
303.00	Acute Alcohol Intox-Unspecified	75	3.9%
291.0	Delirium Tremens	56	2.9%
<b>All Other</b>		<b>671</b>	<b>34.5%</b>

## 2.2 TOP INPATIENT CONDITIONS FOR AI/AN PATIENTS 0 TO 8 YEAR OLDS BY SEX

In Fiscal Year 2014, 1.9 persons per 10,000 population of AI/AN male behavioral health patients aged 0-8 years at IHS and Tribal direct inpatient facilities in FY 2014 were diagnosed with Family Circumstances, followed by Life Circumstances at 1.0.

In Fiscal Year 2014, 1.7 persons per 10,000 population of AI/AN female behavioral health patients aged 0-8 years at IHS and Tribal direct inpatient facilities in FY 2014 were diagnosed with Family Circumstances, followed by Fetal Alcohol Syndrome at 1.5.

**CHART 2** Top Inpatient Conditions for AI/AN Patients 0 to 8 Year Olds by Sex  
IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014



**TABLE 2** Top Inpatient Conditions for AI/AN Patients 0 to 8 Year Olds by Sex  
IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014  
(Per 10,000 Population)

Condition	Count <sup>1</sup>	Rate
<b>MALE</b>		
Family Circumstances	24	1.91
Life Circumstances	12	0.96
<b>FEMALE</b>		
Family Circumstances	21	1.67
Fetal Alcohol Syndrome	19	1.52

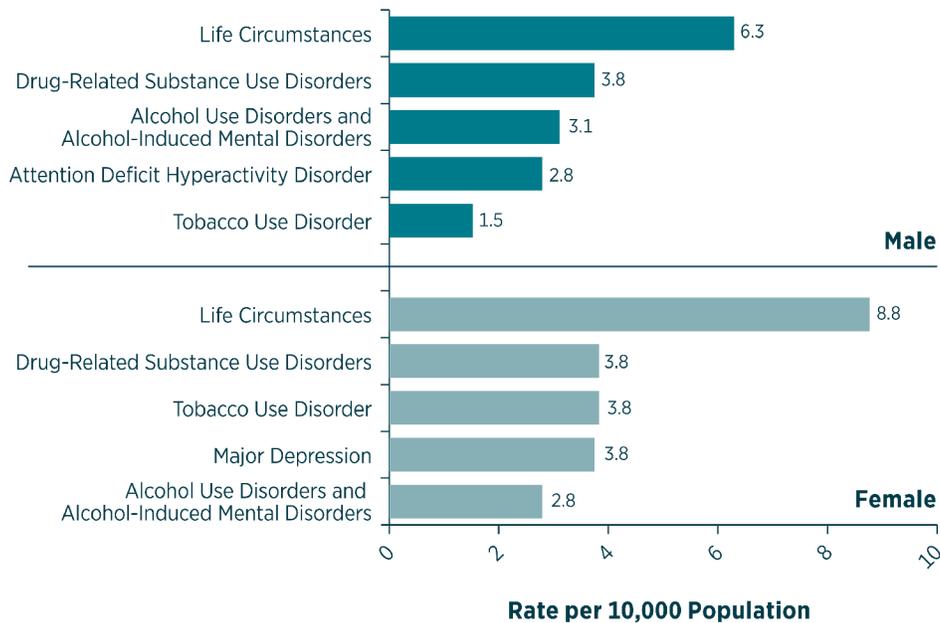
<sup>1</sup> Any Direct Inpatient Behavioral Health Diagnosis

## 2.3 TOP INPATIENT CONDITIONS FOR AI/AN PATIENTS 9 TO 17 YEAR OLDS BY SEX

In Fiscal Year 2014, 8.8 persons per 10,000 population of AI/AN female behavioral health patients aged 9-17 years at IHS and Tribal direct inpatient facilities in FY 2014 were diagnosed with Life Circumstances, followed by Drug Related Substance Use Disorders, Tobacco Use Disorder, and Major Depression all at 3.8.

In Fiscal Year 2014, 6.3 persons per 10,000 population of AI/AN male behavioral health patients aged 9-17 years at IHS and Tribal direct inpatient facilities in FY 2014 were diagnosed with Life Circumstances, followed by Drug Related Substance Use Disorders at 3.8.

**CHART 3** Top Inpatient Conditions for AI/AN Patients 9 to 17 Year Olds by Sex  
 IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014



**TABLE 3** Top Inpatient Conditions for AI/AN Patients 9 to 17 Year Olds by Sex

IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014  
(Per 10,000 Population)

Condition	Count <sup>1</sup>	Rate
<b>MALE</b>		
Life Circumstances	79	6.30
Drug-Related Substance Use Disorders	47	3.75
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	39	3.11
Attention Deficit Hyperactivity Disorder	35	2.79
Tobacco Use Disorder	19	1.52
Major Depression	16	1.28
Post-Traumatic Stress Disorder	14	1.12
<b>FEMALE</b>		
Life Circumstances	110	8.77
Drug-Related Substance Use Disorders	48	3.83
Tobacco Use Disorder	48	3.83
Major Depression	47	3.75
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	35	2.79
Post-Traumatic Stress Disorder	26	2.07
Anxiety Disorder	17	1.36
Psychotic Disorders	15	1.20
Attention Deficit Hyperactivity Disorder	14	1.12

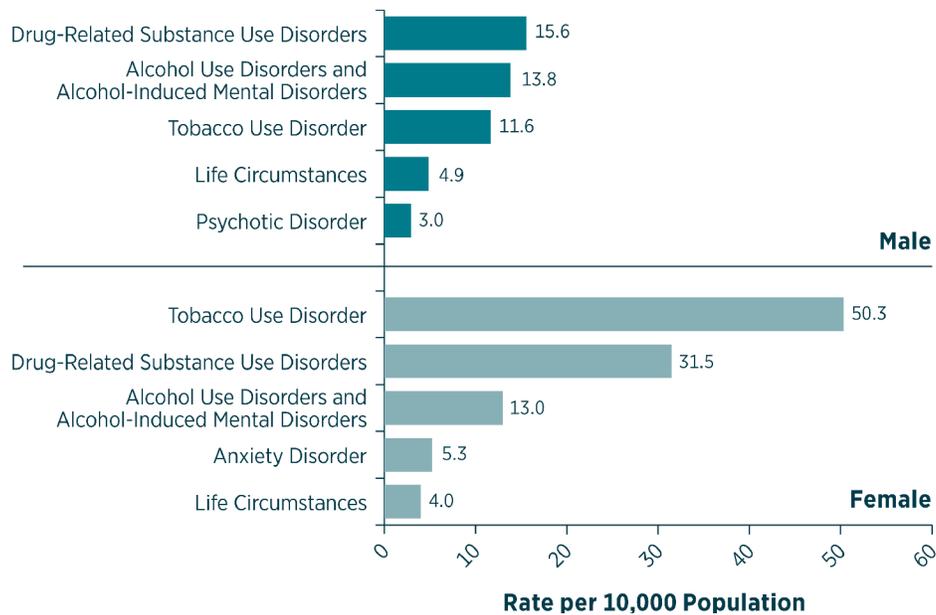
<sup>1</sup> Any Direct Inpatient Behavioral Health Diagnosis

## 2.4 TOP INPATIENT CONDITIONS FOR AI/AN PATIENTS 18 TO 24 YEAR OLDS BY SEX

In Fiscal Year 2014, 50.3 persons per 10,000 population of AI/AN female behavioral health patients aged 18-24 years at IHS and Tribal direct inpatient facilities in FY 2014 were diagnosed with Tobacco Use Disorder, followed by Drug Related Substance Use Disorders at 31.5.

In Fiscal Year 2014, 15.6 persons per 10,000 population of AI/AN male behavioral health patients aged 18-24 years at IHS and Tribal direct inpatient facilities in FY 2014 were diagnosed with Drug Related Substance Use Disorders, followed by Alcohol Use Disorders and Alcohol-induced Mental Disorders at 13.8.

**CHART 4** Top Inpatient Conditions for AI/AN Patients 18 to 24 Year Olds by Sex  
 IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014



**TABLE 4** Top Inpatient Conditions for AI/AN Patients 18 to 24 Year Olds by Sex

IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014  
(Per 10,000 Population)

Condition	Count <sup>1</sup>	Rate
<b>MALE</b>		
Drug-Related Substance Use Disorders	195	15.55
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	173	13.80
Tobacco Use Disorder	146	11.64
Life Circumstances	61	4.86
Psychotic Disorders	37	2.95
Major Depression	30	2.39
Schizophrenia	29	2.31
Anxiety Disorder	26	2.07
Attention Deficit Hyperactivity Disorder	15	1.20
<b>FEMALE</b>		
Tobacco Use Disorder	631	50.32
Drug-Related Substance Use Disorders	395	31.50
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	163	13.00
Anxiety Disorder	66	5.26
Life Circumstances	50	3.99
Schizophrenia	42	3.35
Major Depression	39	3.11
Post-Traumatic Stress Disorder	38	3.03
Bipolar Disorder	22	1.75
Psychotic Disorders	22	1.75
Family Circumstances	20	1.59
Mental, Behavioral Problems, and Substance Abuse Counseling	16	1.28
Attention Deficit Hyperactivity Disorder	14	1.12

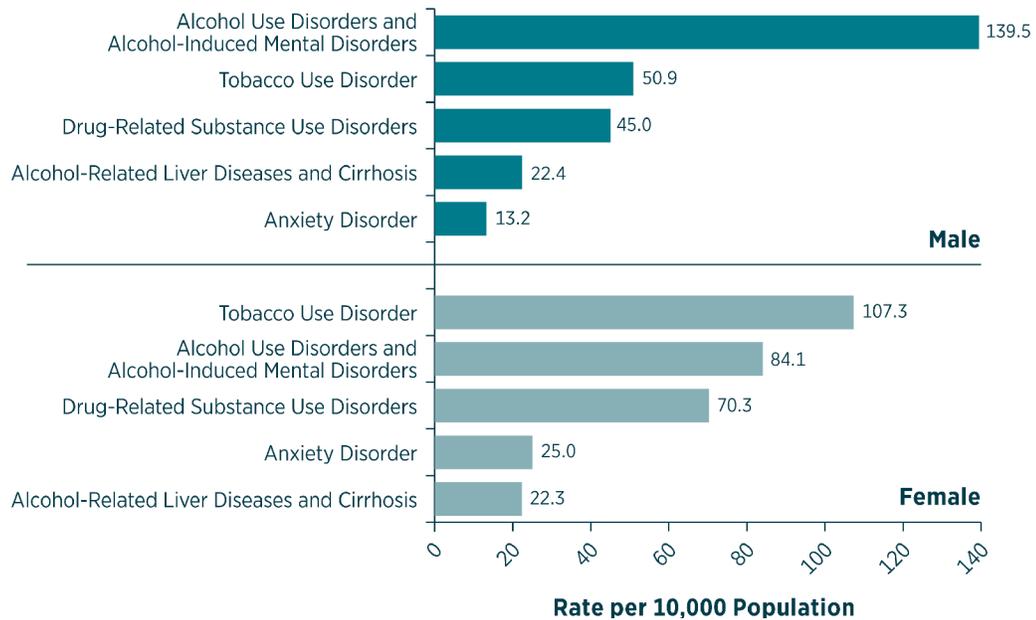
<sup>1</sup> Any Direct Inpatient Behavioral Health Diagnosis

## 2.5 TOP INPATIENT CONDITIONS FOR AI/AN PATIENTS 25 TO 44 YEAR OLDS BY SEX

In Fiscal Year 2014, 139.5 persons per 10,000 population of AI/AN male behavioral health patients aged 25-44 years at IHS and Tribal direct inpatient facilities in FY 2014 were diagnosed with Alcohol Use Disorders and Alcohol-induced Mental Disorders, followed by Tobacco Use Disorder at 50.9.

In Fiscal Year 2014, 107.3 persons per 10,000 population of AI/AN female behavioral health patients aged 25-44 years at IHS and Tribal direct inpatient facilities in FY 2014 were diagnosed with Tobacco Use Disorder, followed by Alcohol Use Disorders and Alcohol-induced Mental Disorders at 84.1.

**CHART 5** Top Inpatient Conditions for AI/AN Patients 25 to 44 Year Olds by Sex  
 IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014



**TABLE 5** Top Inpatient Conditions for AI/AN Patients 25 to 44 Year Olds by Sex

IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014  
(Per 10,000 Population)

Condition	Count <sup>1</sup>	Rate
<b>MALE</b>		
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	1,749	139.48
Tobacco Use Disorder	638	50.88
Drug-Related Substance Use Disorders	564	44.98
Alcohol-Related Liver Diseases and Cirrhosis	281	22.41
Anxiety Disorder	166	13.24
Schizophrenia	85	6.78
Life Circumstances	69	5.50
Psychotic Disorders	52	4.15
Bipolar Disorder	46	3.67
Post-Traumatic Stress Disorder	41	3.27
Major Depression	36	2.87
Mental, Behavioral Problems, and Substance Abuse Counseling	25	1.99
<b>FEMALE</b>		
Tobacco Use Disorder	1,346	107.34
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	1,054	84.05
Drug-Related Substance Use Disorders	881	70.26
Anxiety Disorder	314	25.04
Alcohol-Related Liver Diseases and Cirrhosis	280	22.33
Bipolar Disorder	82	6.54
Post-Traumatic Stress Disorder	77	6.14
Major Depression	65	5.18
Life Circumstances	59	4.71
Mental, Behavioral Problems, and Substance Abuse Counseling	42	3.35
Schizophrenia	23	1.83
Attention Deficit Hyperactivity Disorder	19	1.52
Fetal Alcohol Syndrome	16	1.28
Psychotic Disorders	16	1.28
Family Circumstances	15	1.20
Maltreatment-Related	15	1.20

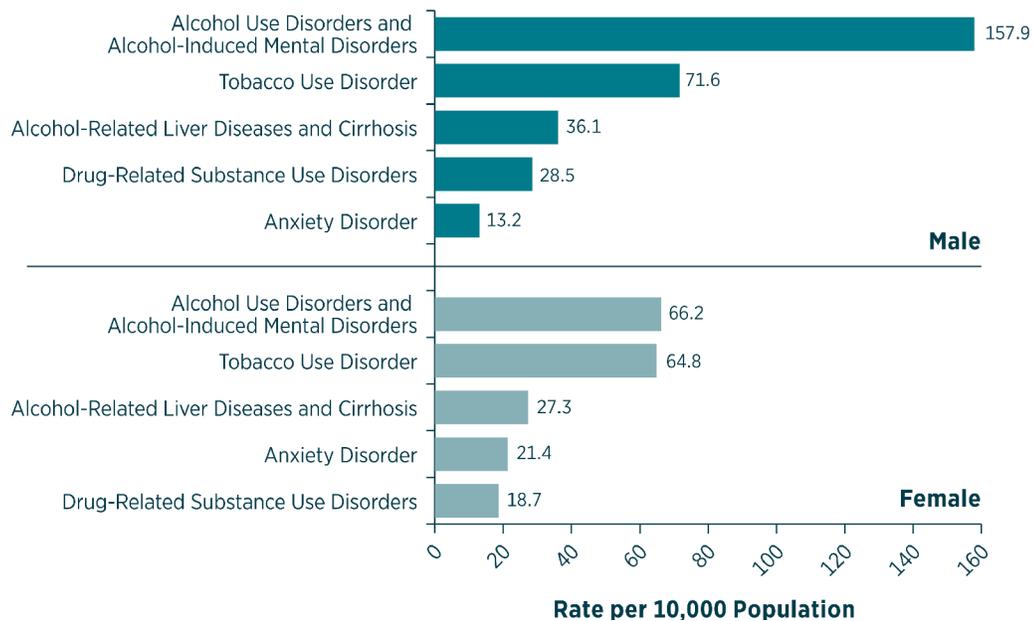
<sup>1</sup> Any Direct Inpatient Behavioral Health Diagnosis

## 2.6 TOP INPATIENT CONDITIONS FOR AI/AN PATIENTS 45 TO 64 YEAR OLDS BY SEX

In Fiscal Year 2014, 157.9 AI/AN persons per 10,000 population of male behavioral health patients aged 45-64 years at IHS and Tribal direct inpatient facilities in FY 2014 were diagnosed with Alcohol Use Disorders and Alcohol-induced Mental Disorders, followed by Tobacco Use Disorder at 71.6.

In Fiscal Year 2014, 66.2 AI/AN persons per 10,000 population of female behavioral health patients aged 45-64 years at IHS and Tribal direct inpatient facilities in FY 2014 were diagnosed with Alcohol Use Disorders and Alcohol-induced Mental Disorders, followed by Tobacco Use Disorder at 64.8.

**CHART 6** Top Inpatient Conditions for AI/AN Patients 45 to 64 Year Olds by Sex  
 IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014



**TABLE 6** Top Inpatient Conditions for AI/AN Patients 45 to 64 Year Olds by Sex  
IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014  
(Per 10,000 Population)

Condition	Count <sup>1</sup>	Rate
<b>MALE</b>		
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	1,980	157.90
Tobacco Use Disorder	898	71.61
Alcohol-Related Liver Diseases and Cirrhosis	453	36.13
Drug-Related Substance Use Disorders	357	28.47
Anxiety Disorder	165	13.16
Schizophrenia	81	6.46
Major Depression	50	3.99
Mental, Behavioral Problems, and Substance Abuse Counseling	45	3.59
Life Circumstances	43	3.43
Bipolar Disorder	36	2.87
Psychotic Disorders	31	2.47
Post-Traumatic Stress Disorder	29	2.31
<b>FEMALE</b>		
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	830	66.19
Tobacco Use Disorder	813	64.84
Alcohol-Related Liver Diseases and Cirrhosis	342	27.27
Anxiety Disorder	268	21.37
Drug-Related Substance Use Disorders	234	18.66
Bipolar Disorder	84	6.70
Schizophrenia	77	6.14
Major Depression	69	5.50
Post-Traumatic Stress Disorder	46	3.67
Life Circumstances	39	3.11
Psychotic Disorders	30	2.39
Mental, Behavioral Problems, and Substance Abuse Counseling	25	1.99

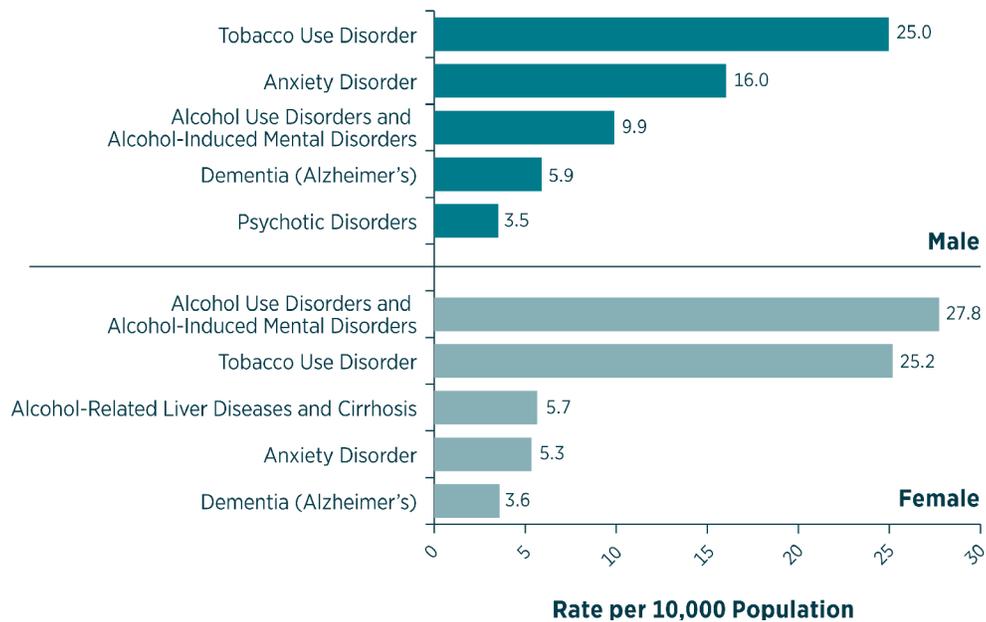
<sup>1</sup> Any Direct Inpatient Behavioral Health Diagnosis

## 2.7 TOP INPATIENT CONDITIONS FOR AI/AN PATIENTS 65 YEARS AND OLDER BY SEX

In Fiscal Year 2014, 27.8 persons per 10,000 population of AI/AN female behavioral health patients age group 65 or over at IHS and Tribal direct inpatient facilities in FY 2014 were diagnosed with Alcohol Use Disorders and Alcohol-induced Mental Disorders, followed by Tobacco Use Disorder at 25.2.

In Fiscal Year 2014, 25.0 persons per 10,000 population of AI/AN male behavioral health patients age group 65 or over at IHS and Tribal direct inpatient facilities in FY 2014 were diagnosed with Tobacco Use Disorder, followed by Anxiety Disorder at 16.0.

**CHART 7** Top Inpatient Conditions for AI/AN Patients 65 Years and Older by Sex  
 IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014



**TABLE 7** Top Inpatient Conditions for AI/AN Patients 65 Years and Older by Sex

IHS and Tribal Direct Inpatient Facilities, Fiscal Year 2014  
(Per 10,000 Population)

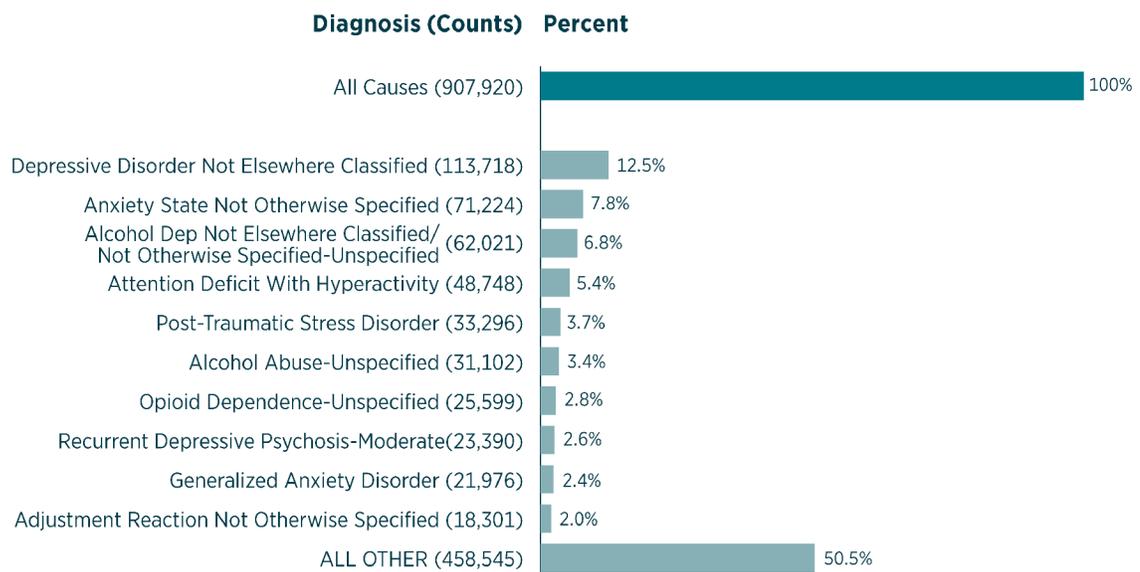
Condition	Count <sup>1</sup>	Rate
<b>MALE</b>		
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	348	27.75
Tobacco Use Disorder	316	25.20
Alcohol-Related Liver Diseases and Cirrhosis	71	5.66
Anxiety Disorder	67	5.34
Dementia (Alzheimer's)	45	3.59
Drug-Related Substance Use Disorders	41	3.27
Psychotic Disorders	39	3.11
Vascular Dementia	33	2.63
Life Circumstances	22	1.75
Post-Traumatic Stress Disorder	21	1.67
Schizophrenia	20	1.59
Mental, Behavioral Problems, and Substance Abuse Counseling	16	1.28
<b>FEMALE</b>		
Tobacco Use Disorder	313	24.96
Anxiety Disorder	201	16.03
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	124	9.89
Dementia (Alzheimer's)	74	5.90
Psychotic Disorders	44	3.51
Vascular Dementia	40	3.19
Alcohol-Related Liver Diseases and Cirrhosis	32	2.55
Life Circumstances	29	2.31
Drug-Related Substance Use Disorders	24	1.91
Maltreatment-Related	23	1.83
Mental, Behavioral Problems, and Substance Abuse Counseling	18	1.44
Major Depression	15	1.20
Schizophrenia	15	1.20

<sup>1</sup> Any Direct Inpatient Behavioral Health Diagnosis

## 2.8 TOP TEN DIRECT OUTPATIENT PRINCIPAL DIAGNOSES

In Fiscal Year 2014, the most frequent clinical impression found in 907,920 outpatient encounters at IHS and Tribal direct outpatient facilities in FY 2014 with a behavioral health condition was Depressive Disorder Not Elsewhere Classified at 12.5 percent, followed by Anxiety State Not Otherwise Specified at 7.8.

**CHART 8** Top Ten Direct Outpatient Principal Diagnoses, American Indians and Alaska Natives  
IHS and Tribal Direct Outpatient Facilities, Fiscal Year 2014



**TABLE 8** Top Ten Direct Outpatient Principal Diagnoses, American Indians and Alaska Natives  
IHS and Tribal Direct Outpatient Facilities, Fiscal Year 2014

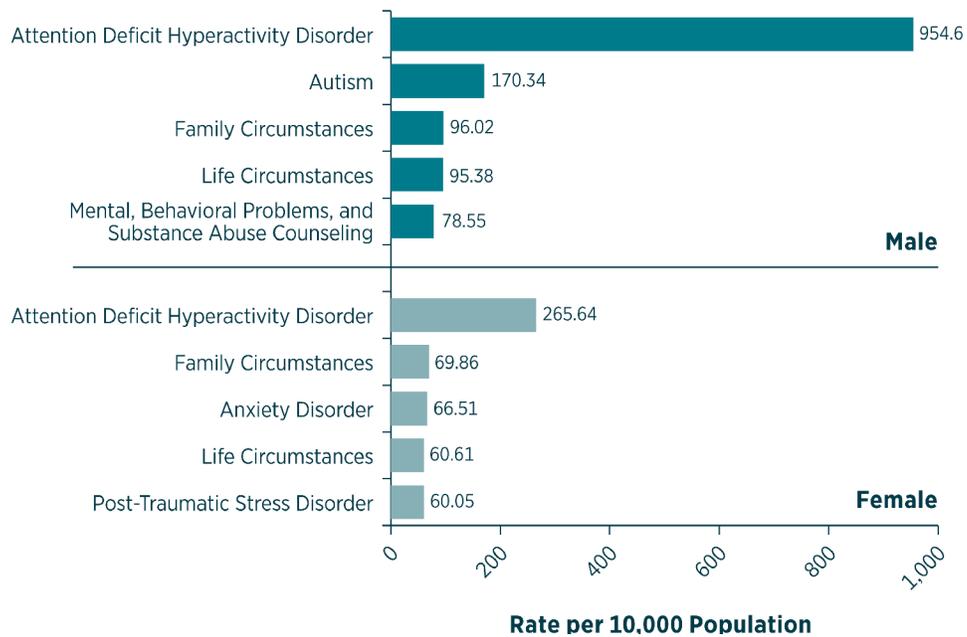
Principal Diagnosis Code	Principal Diagnosis Description	Outpatient Visits	Percentage
<b>All Categories</b>		<b>907,920</b>	<b>100.0%</b>
311	Depressive Disorder Not Elsewhere Classified	113,718	12.5%
300.00	Anxiety State Not Otherwise Specified	71,224	7.8%
303.90	Alcohol Dependence Not Elsewhere Classified/Not Otherwise Specified-Unspecified	62,021	6.8%
314.01	Attention Deficit With Hyperactivity	48,748	5.4%
309.81	Post-Traumatic Stress Disorder	33,296	3.7%
305.00	Alcohol Abuse-Unspecified	31,102	3.4%
304.00	Opioid Dependence-Unspecified	25,599	2.8%
296.32	Recurrent Depressive Psychosis-Moderate	23,390	2.6%
300.02	Generalized Anxiety Disorder	21,976	2.4%
309.9	Adjustment Reaction Not Otherwise Specified	18,301	2.0%
<b>All Other</b>		<b>458,545</b>	<b>50.5%</b>

## 2.9 TOP OUTPATIENT CONDITIONS FOR AI/AN PATIENTS 0 TO 8 YEAR OLDS BY SEX

In Fiscal Year 2014, 954.6 AI/AN persons per 10,000 population of male behavioral health patients aged 0-8 years at IHS and Tribal direct and contract outpatient facilities in FY 2014 were diagnosed with Attention Deficit Hyperactivity Disorder, followed by Autism at 170.3.

In Fiscal Year 2014, 265.6 AI/AN persons per 10,000 population of female behavioral health patients aged 0-8 years at IHS and Tribal direct and contract outpatient facilities in FY 2014 were diagnosed with Attention Deficit Hyperactivity Disorder, followed by Family Circumstances at 69.9.

**CHART 9** Top Outpatient Conditions for AI/AN Patients 0 to 8 Year Olds by Sex  
IHS and Tribal Direct and Contract Outpatient Facilities, Fiscal Year 2014



**TABLE 9** Top Outpatient Conditions for AI/AN Patients 0 to 8 Year Olds by Sex  
 IHS and Tribal Direct and Contract Outpatient Facilities, Fiscal Year 2014  
 (Per 10,000 Population)

Condition	Count <sup>1</sup>	Rate
<b>MALE</b>		
Attention Deficit Hyperactivity Disorder	11,969	954.50
Autism	2,136	170.34
Family Circumstances	1,204	96.02
Life Circumstances	1,196	95.38
Mental, Behavioral Problems, and Substance Abuse Counseling	985	78.55
Post-Traumatic Stress Disorder	807	64.36
Anxiety Disorder	777	61.96
Partner Relationships	374	29.83
Fetal Alcohol Syndrome	257	20.50
Maltreatment-Related	162	12.92
Feeding and Eating Disorders	88	7.02
Major Depression	87	6.94
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	62	4.94
Bipolar Disorder	23	1.83
Drug-Related Substance Use Disorders	19	1.52
Psychotic Disorders	19	1.52
Tobacco Use Disorder	10	0.8
Schizophrenia	7	0.56
<b>FEMALE</b>		
Attention Deficit Hyperactivity Disorder	3,331	265.64
Family Circumstances	876	69.86
Anxiety Disorder	834	66.51
Life Circumstances	760	60.61
Post-Traumatic Stress Disorder	753	60.05
Mental, Behavioral Problems, and Substance Abuse Counseling	539	42.98
Partner Relationships	365	29.11
Maltreatment-Related	198	15.79
Autism	193	15.39
Fetal Alcohol Syndrome	140	11.16
Feeding and Eating Disorders	111	8.85
Drug-Related Substance Use Disorders	30	2.39
Bipolar Disorder	25	1.99
Major Depression	20	1.59
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	19	1.52
Psychotic Disorders	13	1.04

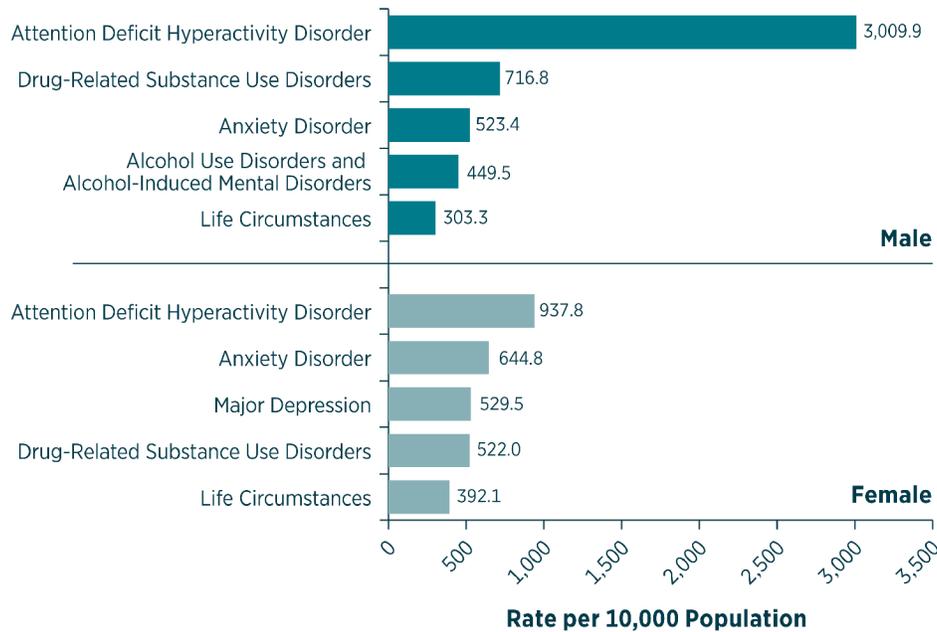
<sup>1</sup> Any Direct or Contract Outpatient Behavioral Health Diagnosis

## 2.10 TOP OUTPATIENT CONDITIONS FOR AI/AN PATIENTS 9 TO 17 YEAR OLDS BY SEX

In Fiscal Year 2014, 3009.9 AI/AN persons per 10,000 population of male behavioral health patients aged 9-17 years at IHS and Tribal direct and contract outpatient facilities in FY 2014 were diagnosed with Attention Deficit Hyperactivity Disorder, followed by Drug Related Substance Use Disorders at 716.8.

In Fiscal Year 2014, 937.8 AI/AN persons per 10,000 population of female behavioral health patients aged 9-17 years at IHS and Tribal direct and contract outpatient facilities in FY 2014 were diagnosed with Attention Deficit Hyperactivity Disorder, followed by Anxiety Disorder at 644.8.

**CHART 10** Top Outpatient Conditions for AI/AN Patients 9 to 17 Year Olds by Sex  
IHS and Tribal Direct and Contract Outpatient Facilities, Fiscal Year 2014



**TABLE 10** Top Outpatient Conditions for AI/AN Patients 9 to 17 Year Olds by Sex

IHS and Tribal Direct and Contract Outpatient Facilities, Fiscal Year 2014  
 (Per 10,000 Population)

Condition	Count <sup>1</sup>	Rate
<b>MALE</b>		
Attention Deficit Hyperactivity Disorder	37,743	3,009.93
Drug-Related Substance Use Disorders	8,988	716.77
Anxiety Disorder	6,563	523.39
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	5,637	449.54
Life Circumstances	3,803	303.28
Major Depression	3,079	245.54
Post-Traumatic Stress Disorder	2,420	192.99
Autism	2,190	174.65
Mental, Behavioral Problems and Substance Abuse Counseling	1,995	159.10
Family Circumstances	1,637	130.55
Bipolar Disorder	1,023	81.58
Psychotic Disorders	609	48.57
Tobacco Use Disorder	519	41.39
Partner Relationships	346	27.59
Fetal Alcohol Syndrome	293	23.37
Maltreatment-Related	224	17.86
Schizophrenia	201	16.03
Feeding and Eating Disorders	29	2.31
Paranoid States	18	1.44
<b>FEMALE</b>		
Attention Deficit Hyperactivity Disorder	11,759	937.76
Anxiety Disorder	8,086	644.84
Major Depression	6,640	529.53
Drug-Related Substance Use Disorders	6,546	522.03
Life Circumstances	4,917	392.12
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	4,273	340.76
Post-Traumatic Stress Disorder	4,094	326.49
Family Circumstances	2,236	178.32
Mental, Behavioral Problems, and Substance Abuse Counseling	1,280	102.08
Bipolar Disorder	1,064	84.85
Tobacco Use Disorder	826	65.87
Partner Relationships	474	37.80
Maltreatment-Related	451	35.97
Psychotic Disorders	439	35.01
Autism	419	33.41
Fetal Alcohol Syndrome	174	13.88
Feeding and Eating Disorders	143	11.4
Schizophrenia	116	9.25

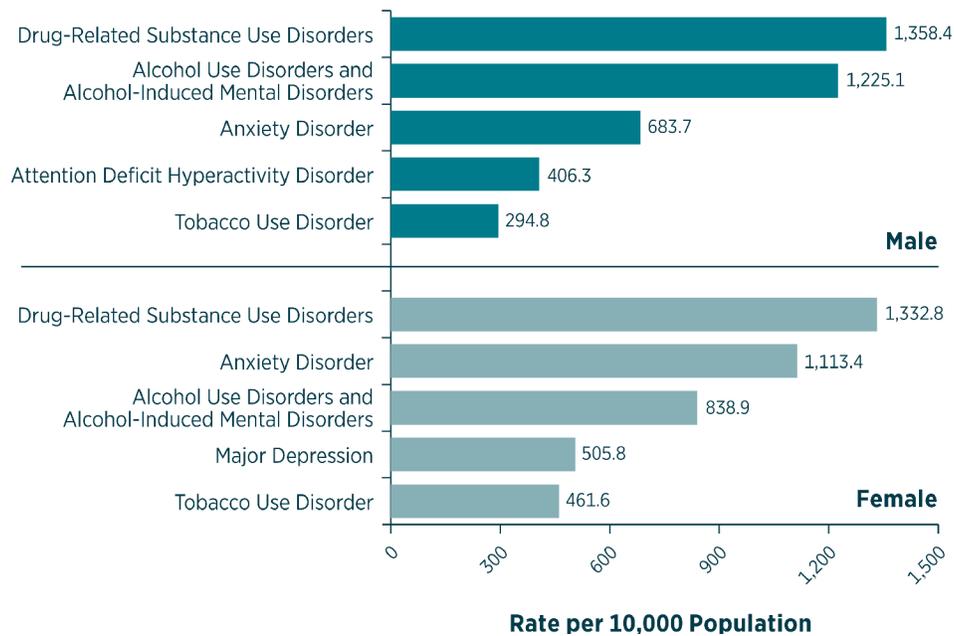
<sup>1</sup> Any Direct or Contract Outpatient Behavioral Health Diagnosis

## 2.11 TOP OUTPATIENT CONDITIONS FOR AI/AN PATIENTS 18 TO 24 YEAR OLDS BY SEX

In Fiscal Year 2014, 1,358.4 AI/AN persons per 10,000 population of male behavioral health patients aged 18-24 years at IHS and Tribal direct and contract outpatient facilities in FY 2014 were diagnosed with Drug-Related Substance Use Disorders, followed by Alcohol Use Disorders and Alcohol-induced Mental Disorders at 1,225.1.

In Fiscal Year 2014, 1,332.8 AI/AN persons per 10,000 population of female behavioral health patients aged 18-24 years at IHS and Tribal direct and contract outpatient facilities in FY 2014 were diagnosed with Drug-Related Substance Use Disorders, followed by Anxiety Disorder at 1,113.4.

**CHART 11** Top Outpatient Conditions for AI/AN Patients 18 to 24 Year Olds by Sex  
IHS and Tribal Direct and Contract Outpatient Facilities, Fiscal Year 2014



**TABLE 11** Top Outpatient Conditions for AI/AN Patients 18 to 24 Year Olds by Sex  
 IHS and Tribal Direct and Contract Outpatient Facilities, Fiscal Year 2014  
 (Per 10,000 Population)

Condition	Count <sup>1</sup>	Rate
<b>MALE</b>		
Drug-Related Substance Use Disorders	17,034	1,358.43
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	15,362	1,225.09
Anxiety Disorder	8,573	683.68
Attention Deficit Hyperactivity Disorder	5,095	406.32
Tobacco Use Disorder	3,696	294.75
Schizophrenia	3,482	277.68
Major Depression	3,161	252.08
Life Circumstances	2,219	176.96
Bipolar Disorder	1,694	135.09
Psychotic Disorders	1,490	118.82
Mental, Behavioral Problems, and Substance Abuse Counseling	1,323	105.51
Post-Traumatic Stress Disorder	1,188	94.74
Maltreatment-Related	492	39.24
Autism	345	27.51
Family Circumstances	241	19.22
Partner Relationships	208	16.59
Alcohol-Related Liver Diseases and Cirrhosis	99	7.90
Fetal Alcohol Syndrome	91	7.26
Paranoid States	59	4.71
Feeding and Eating Disorders	27	2.15
<b>FEMALE</b>		
Drug-Related Substance Use Disorders	16,712	1,332.75
Anxiety Disorder	13,961	1,113.36
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	10,519	838.87
Major Depression	6,342	505.76
Tobacco Use Disorder	5,788	461.58
Post Traumatic Stress Disorder	3,593	286.53
Attention Deficit Hyperactivity Disorder	3,431	273.62
Life Circumstances	3,079	245.54
Bipolar Disorder	2,408	192.03
Mental, Behavioral Problems, and Substance Abuse Counseling	1,091	87.01
Schizophrenia	976	77.83
Maltreatment-Related	787	62.76
Family Circumstances	622	49.60
Partner Relationships	594	47.37
Psychotic Disorders	587	46.81
Feeding and Eating Disorders	176	14.04
Autism	117	9.33
Fetal Alcohol Syndrome	70	5.58
Paranoid States	38	3.03
Alcohol-Related Liver Diseases and Cirrhosis	32	2.55

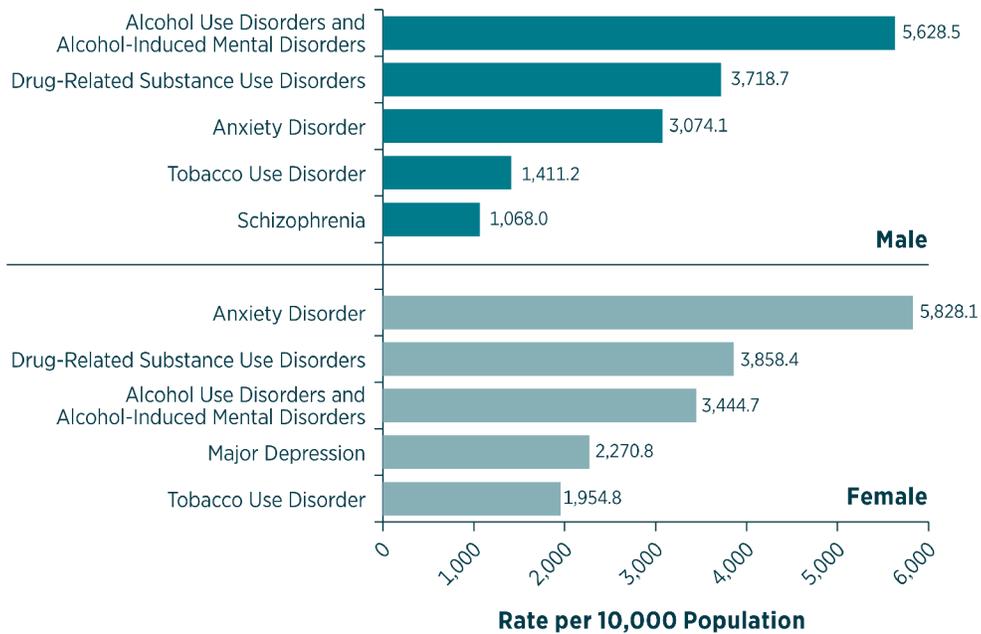
<sup>1</sup> Any Direct or Contract Outpatient Behavioral Health Diagnosis

## 2.12 TOP OUTPATIENT CONDITIONS FOR AI/AN PATIENTS 25 TO 44 YEAR OLDS BY SEX

In Fiscal Year 2014, 5,828.1 AI/AN persons per 10,000 population of female behavioral health patients aged 25-44 years at IHS and Tribal direct and contract outpatient facilities in FY 2014 were diagnosed with Anxiety Disorder, followed by Drug-Related Substance Use Disorders at 3,858.4.

In Fiscal Year 2014, 5,628.5 AI/AN persons per 10,000 population of male behavioral health patients aged 25-44 years at IHS and Tribal direct and contract outpatient facilities in FY 2014 were diagnosed with Alcohol Use Disorders and Alcohol-induced Mental Disorders, followed by Drug-Related Substance Use Disorders at 3,718.7.

**CHART 12** Top Outpatient Conditions for AI/AN Patients 25 to 44 Year Olds by Sex  
IHS and Tribal Direct and Contract Outpatient Facilities, Fiscal Year 2014



**TABLE 12** Top Outpatient Conditions for AI/AN Patients 25 to 44 Year Olds by Sex  
 IHS and Tribal Direct and Contract Outpatient Facilities, Fiscal Year 2014  
 (Per 10,000 Population)

Condition	Count <sup>1</sup>	Rate
<b>MALE</b>		
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	70,579	5,628.53
Drug-Related Substance Use Disorders	46,630	3,718.65
Anxiety Disorder	38,548	3,074.13
Tobacco Use Disorder	17,696	1,411.22
Schizophrenia	13,392	1,067.99
Major Depression	11,447	912.88
Bipolar Disorder	8,150	649.95
Post-Traumatic Stress Disorder	6,564	523.47
Attention Deficit Hyperactivity Disorder	5,753	458.79
Life Circumstances	5,444	434.15
Mental, Behavioral Problems, and Substance Abuse Counseling	2,986	238.13
Psychotic Disorders	2,827	225.45
Alcohol-Related Liver Diseases and Cirrhosis	2,342	186.77
Maltreatment-Related	1,887	150.48
Partner Relationships	1,813	144.58
Family Circumstances	715	57.02
Autism	234	18.66
Paranoid States	152	12.12
Fetal Alcohol Syndrome	102	8.13
Feeding and Eating Disorders	29	2.31
Heroin	19	1.52
<b>FEMALE</b>		
Anxiety Disorder	73,081	5,828.06
Drug-Related Substance Use Disorders	48,382	3,858.37
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	43,195	3,444.71
Major Depression	28,475	2,270.82
Tobacco Use Disorder	24,512	1,954.78
Post-Traumatic Stress Disorder	17,483	1,394.23
Bipolar Disorder	16,797	1,339.53
Life Circumstances	8,457	674.43
Attention Deficit Hyperactivity Disorder	7,419	591.65
Schizophrenia	5,544	442.12
Mental, Behavioral Problems, and Substance Abuse Counseling	3,045	242.83
Partner Relationships	2,844	226.80
Maltreatment-Related	2,075	165.48
Family Circumstances	1,894	151.04
Alcohol-Related Liver Diseases and Cirrhosis	1,863	148.57
Psychotic Disorders	1,591	126.88
Feeding and Eating Disorders	323	25.76
Paranoid States	147	11.72
Fetal Alcohol Syndrome	122	9.73
Autism	36	2.87

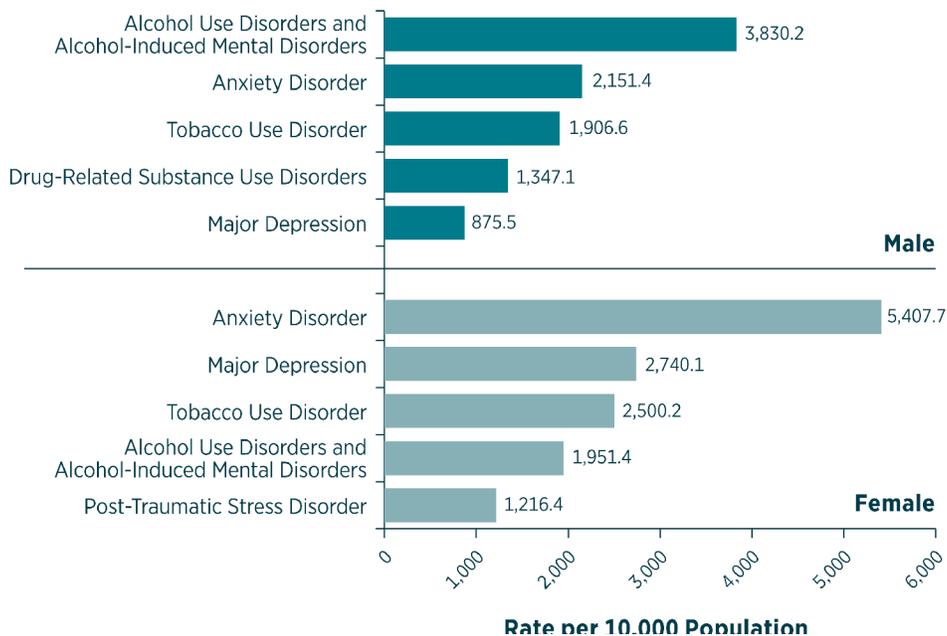
<sup>1</sup> Any Direct or Contract Outpatient Behavioral Health Diagnosis

## 2.13 TOP OUTPATIENT CONDITIONS FOR AI/AN PATIENTS 45 TO 64 YEAR OLDS BY SEX

In Fiscal Year 2014, 5,407.7 AI/AN persons per 10,000 population of female behavioral health patients aged 45-64 years at IHS and Tribal direct and contract outpatient facilities in FY 2014 were diagnosed with Anxiety Disorder, followed by Major Depression at 2,740.1.

In Fiscal Year 2014, 3,830.2 AI/AN persons per 10,000 population of male behavioral health patients aged 45-64 years at IHS and Tribal direct and contract outpatient facilities in FY 2014 were diagnosed with Alcohol Use Disorders and Alcohol-induced Mental Disorders, followed by Anxiety Disorder at 2,151.4.

**CHART 13** Top Outpatient Conditions for AI/AN Patients 45 to 64 Year Olds by Sex  
IHS and Tribal Direct and Contract Outpatient Facilities, Fiscal Year 2014



**TABLE 13** Top Outpatient Conditions for AI/AN Patients 45 to 64 Year Olds by Sex  
 IHS and Tribal Direct and Contract Outpatient Facilities, Fiscal Year 2014  
 (Per 10,000 Population)

Condition	Count <sup>1</sup>	Rate
<b>MALE</b>		
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	48,029	3,830.22
Anxiety Disorder	26,978	2,151.44
Tobacco Use Disorder	23,908	1,906.62
Drug-Related Substance Use Disorders	16,892	1,347.10
Major Depression	10,978	875.47
Schizophrenia	10,326	823.48
Bipolar Disorder	5,748	458.39
Post-Traumatic Stress Disorder	5,579	444.91
Alcohol-Related Liver Diseases and Cirrhosis	5,473	436.46
Life Circumstances	3,752	299.21
Mental, Behavioral Problems, and Substance Abuse Counseling	1,808	144.18
Attention Deficit Hyperactivity Disorder	1,709	136.29
Psychotic Disorders	1,575	125.60
Partner Relationships	660	52.63
Maltreatment-Related	496	39.56
Family Circumstances	480	38.28
Paranoid States	218	17.39
Dementia (Alzheimer's)	126	10.05
Vascular Dementia	96	7.66
Autism	49	3.91
Feeding and Eating Disorders	39	3.11
Fetal Alcohol Syndrome	17	1.36
<b>FEMALE</b>		
Anxiety Disorder	67,810	5,407.71
Major Depression	34,359	2,740.06
Tobacco Use Disorder	31,351	2,500.18
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	24,470	1,951.43
Post-Traumatic Stress Disorder	15,253	1,216.40
Bipolar Disorder	14,990	1,195.42
Drug-Related Substance Use Disorders	14,222	1,134.18
Schizophrenia	8,178	652.18
Life Circumstances	7,042	561.59
Alcohol-Related Liver Diseases and Cirrhosis	4,133	329.60
Attention Deficit Hyperactivity Disorder	3,197	254.95
Mental, Behavioral Problems, and Substance Abuse Counseling	2,502	199.53
Psychotic Disorders	1,530	122.01
Family Circumstances	1,137	90.67
Partner Relationships	1,041	83.02
Maltreatment-Related	694	55.35
Paranoid States	265	21.13
Feeding and Eating Disorders	154	12.28
Vascular Dementia	110	8.77
Dementia (Alzheimer's)	63	5.02
Autism	39	3.11
Fetal Alcohol Syndrome	35	2.79

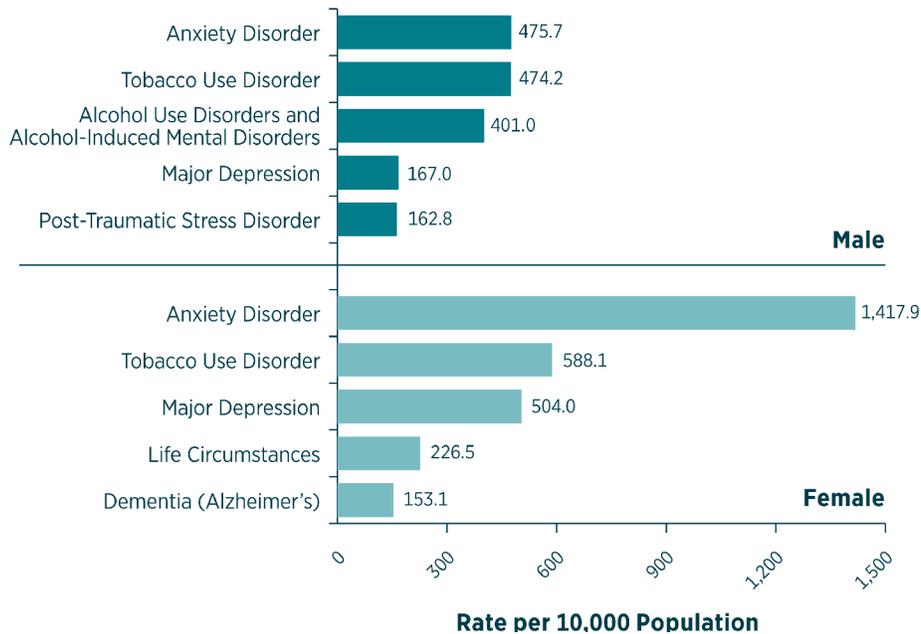
<sup>1</sup> Any Direct or Contract Outpatient Behavioral Health Diagnosis

## 2.14 TOP OUTPATIENT CONDITIONS FOR AI/AN PATIENTS 65 YEARS AND OLDER BY SEX

In Fiscal Year 2014, 1,417.9 AI/AN persons per 10,000 population of female behavioral health patients age group 65 or over at IHS and Tribal direct and contract outpatient facilities in FY 2014 were diagnosed with Anxiety Disorder, followed by Tobacco Use Disorder at 588.1.

In Fiscal Year 2014, 475.7 AI/AN persons per 10,000 population of male behavioral health patients age group 65 or over at IHS and Tribal direct and contract outpatient facilities in FY 2014 were diagnosed with Anxiety Disorder, followed by Tobacco Use Disorder at 474.2.

**CHART 14** Top Outpatient Conditions for AI/AN Patients 65 Years and Older by Sex  
IHS and Tribal Direct and Contract Outpatient Facilities, Fiscal Year 2014



**TABLE 14** Top Outpatient Conditions for AI/AN Patients 65 Years and Older by Sex  
 IHS and Tribal Direct and Contract Outpatient Facilities, Fiscal Year 2014  
 (Per 10,000 Population)

Condition	Count <sup>1</sup>	Rate
<b>MALE</b>		
Anxiety Disorder	5,965	475.70
Tobacco Use Disorder	5,946	474.18
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	5,029	401.05
Major Depression	2,094	166.99
Post-Traumatic Stress Disorder	2,041	162.77
Life Circumstances	1,440	114.84
Psychotic Disorders	931	74.25
Dementia (Alzheimer's)	910	72.57
Alcohol-Related Liver Diseases and Cirrhosis	840	66.99
Drug-Related Substance Use Disorders	799	63.72
Bipolar Disorder	630	50.24
Schizophrenia	543	43.30
Mental, Behavioral Problems, and Substance Abuse Counseling	370	29.51
Vascular Dementia	355	28.31
Family Circumstances	185	14.75
Attention Deficit Hyperactivity Disorder	162	12.92
Partner Relationships	121	9.65
Maltreatment-Related	106	8.45
Paranoid States	47	3.75
<b>FEMALE</b>		
Anxiety Disorder	17,780	1,417.92
Tobacco Use Disorder	7,374	588.06
Major Depression	6,320	504.01
Life Circumstances	2,840	226.48
Dementia (Alzheimer's)	1,920	153.12
Alcohol Use Disorders and Alcohol-induced Mental Disorders	1,825	145.54
Post-Traumatic Stress Disorder	1,467	116.99
Psychotic Disorders	1,421	113.32
Bipolar Disorder	1,335	106.46
Schizophrenia	1,114	88.84
Alcohol-Related Liver Diseases and Cirrhosis	688	54.87
Vascular Dementia	636	50.72
Drug-Related Substance Use Disorders	596	47.53
Mental, Behavioral Problems, and Substance Abuse Counseling	532	42.43
Family Circumstances	407	32.46
Attention Deficit Hyperactivity Disorder	225	17.94
Partner Relationships	198	15.79
Maltreatment-Related	159	12.68
Paranoid States	114	9.09
Feeding and Eating Disorders	20	1.59

<sup>1</sup> Any Direct or Contract Outpatient Behavioral Health Diagnosis

## 2.15 TOP 25 MEDICATIONS PRESCRIBED TO BEHAVIORAL HEALTH PATIENTS

The top three VA drug classes of medications prescribed to patients with a behavioral health visit were antidepressants (other) with a 14.7 percent share of all prescribed medicines by drug class, anticonvulsants with 4.3 percent, and non-opioid analgesics with 4.2 percent.

**TABLE 15** Top 25 Medications Prescribed to Behavioral Health Patients  
Indian Health Service Facilities, Fiscal Year 2014

Rank	VA Drug Class Code	VA Category	Count <sup>1</sup>	Percentage Share
<b>All Classes</b>			<b>1,208,548</b>	<b>100.0</b>
1	CN609	Antidepressants, Other	177,211	14.7
2	CN400	Anticonvulsants	52,513	4.3
3	CN103	Non-Opioid Analgesics	50,600	4.2
4	CV350	Antilipemic Agents	41,021	3.4
5	HS502	Oral Hypoglycemic Agents, Oral	40,308	3.3
6	MS102	Nonsalicylate NSALS, Antirheumatic	39,236	3.2
7	CV800	Ace Inhibitors	37,819	3.1
8	CN302	Benzodiazepine Derivative Sedatives/Hypnotics	35,489	2.9
9	CN709	Antipsychotics, Other	33,587	2.8
10	GA900	Gastric Medications, Other	31,939	2.6
11	AH105	Antihistamines, Piperazine	26,937	2.2
12	CV100	Beta Blockers/Related	25,692	2.1
13	CN101	Opioid Analgesics	25,330	2.1
14	RE102	Bronchodilators, Sympathomimetic, Inhalation	23,148	1.9
15	HS501	Insulin	22,892	1.9
16	VT802	Multivitamins With Minerals	22,703	1.9
17	MS200	Skeletal Muscle Relaxants	17,342	1.4
18	HS851	Thyroid Supplements	16,244	1.3
19	CN802	Amphetamine-Like Stimulants	15,569	1.3
20	CV200	Anesthetics	14,297	1.2
20	DX900	Diagnostics, Other	14,221	1.2
21	CV701	Thiazides/Related Diuretics	14,078	1.2
22	GA301	Histamine Antagonists	13,055	1.1
22	CV805	Angiotensin II Inhibitor	13,049	1.1
23	RE109	Antiasthma, Other	12,038	1.0
24	CN309	Sedatives/Hypnotics, Other	11,551	1.0
<b>All Others</b>			<b>380,679</b>	<b>31.5</b>

<sup>1</sup> Prescriptions given during a visit to an IHS (not Tribal) facility where the patient had a diagnosis of a behavioral health code.  
SOURCE: VA Drug Class Code: <http://1.usa.gov/1HM9vVC>, accessed August 14, 2015

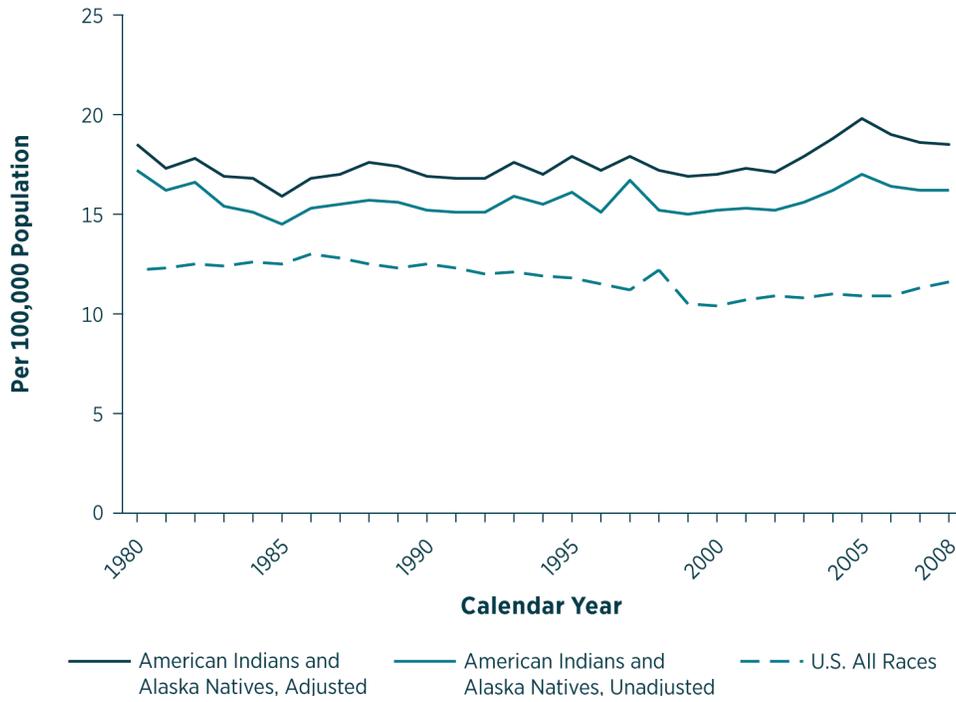


**PART III**

**GENERAL MORTALITY  
STATISTICS**

INDIAN HEALTH SERVICE REPORT:  
BEHAVIORAL HEALTH 2018 EDITION

**CHART 1** Age-Adjusted Suicide Death Rates



**TABLE 1** Suicide Deaths and Death Rates  
 American Indians and Alaska Natives, IHS Service Area, and U.S. All Races and White Populations, 1955-2008  
 (Age-Adjusted Rate per 100,000 Population)

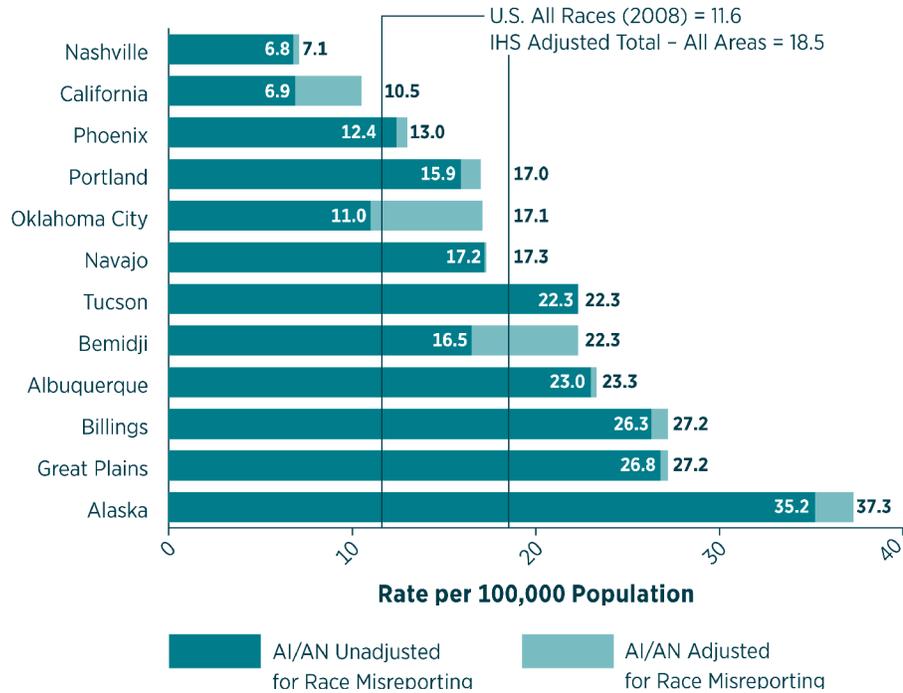
Calendar Year(s)	American Indian and Alaska Native				U.S. All Races Rate	U.S. White Rate	Ratio of American Indian and Alaska Native <sup>1</sup> to:	
	Number		Rate				U.S. All Races	U.S. White
	Unadjusted	Adjusted <sup>1</sup>	Unadjusted	Adjusted <sup>1</sup>				
(2009)	336	390						
2007-2009 (2008)	311	368	16.2	18.5	11.6	12.9	1.6	1.4
2006-2008 (2007)	292	338	16.2	18.6	11.3	12.5	1.6	1.5
2005-2007 (2006)	326	376	16.4	19.0	10.9	12.2	1.7	1.6
2004-2006 (2005)	317	374	17.0	19.8	10.9	12.1	1.8	1.6
2003-2005 (2004)	315	369	16.2	18.8	11.0	12.0	1.7	1.6
2002-2004 (2003)	255	289	15.6	17.9	10.8	11.8	1.7	1.5
2001-2003 (2002)	261	303	15.2	17.1	10.9	12.0	1.6	1.4
2000-2002 (2001)	258	286	15.3	17.3	10.7	11.7	1.6	1.5
1999-2001 (2000)	238	273	15.2	17.0	10.4	11.3	1.6	1.5
1998-2000 (1999)	235	265	15.0	16.9	10.5	11.3	1.6	1.5
1997-1999 (1998)	252	283	15.2	17.2	12.2	11.1	1.4	1.5
1996-1998 (1997)	234	273	16.7	17.9	11.2	12.1	1.6	1.5
1995-1997 (1996)	225	262	15.1	17.2	11.5	12.4	1.5	1.4
1994-1996 (1995)	205	228	16.1	17.9	11.8	12.7	1.5	1.4
1993-1995 (1994)	242	263	15.5	17.0	11.9	12.7	1.4	1.3
1992-1994 (1993)	204	226	15.9	17.6	12.1	12.9	1.5	1.4
1991-1993 (1992)	193	219	15.1	16.8	12.0	12.8	1.4	1.3
1990-1992 (1991)	184	200	15.1	16.8	12.3	13.2	1.4	1.3
1989-1991 (1990)	195	218	15.2	16.9	12.5	13.3	1.4	1.3
1988-1990 (1989)	192	217	15.6	17.4	12.3	13.1	1.4	1.3
1987-1989 (1988)	185	206	15.7	17.6	12.5	13.3	1.4	1.3
1986-1988 (1987)	187	206	15.5	17.0	12.8	13.7	1.3	1.2
1985-1987 (1986)	158	168	15.3	16.8	13.0	13.9	1.3	1.2
1984-1986 (1985)	172	193	14.5	15.9	12.5	13.4	1.3	1.2
1983-1985 (1984)	148	165	15.1	16.8	12.6	13.5	1.3	1.2
1982-1984 (1983)	161	177	15.4	16.9	12.4	13.2	1.4	1.3
1981-1983 (1982)	154	164	16.6	17.8	12.5	13.3	1.4	1.3
1980-1982 (1981)	157	166	16.2	17.3	12.3	13.1	1.4	1.3
1979-1981 (1980)	146	156	17.2	18.5	12.2	13.0	1.5	1.4
1972-1974 (1973)	351	374	27.6	29.4	13.2	13.9	2.2	2.1
1954-1956 (1955)	39		11.9		9.9	10.4		

<sup>1</sup> Adjusted - specifies a number, rate, or ratio of rates adjusted to compensate for misreporting of AI/AN race on state death certificates.

NOTE: Reservation State data for 1955, the year IHS was established, are presented above. Data from 1972 forward are drawn from specific counties in the IHS service area. Reservation State data and county data are not directly comparable. The AI/AN death rate columns present data for the three-year period specified and are age-adjusted to the 2000 standard population; the U.S. all races and U.S. white columns present data for a one-year period. The number columns indicate total AI/AN deaths for the one-year period specified.

SOURCE: Rates for U.S. All Races and U.S. White: Centers for Disease Control and Prevention. CDC Wonder. <http://wonder.cdc.gov/>

**CHART 2** Age-Adjusted Suicide Death Rates by Area  
Calendar Years 2007-2009

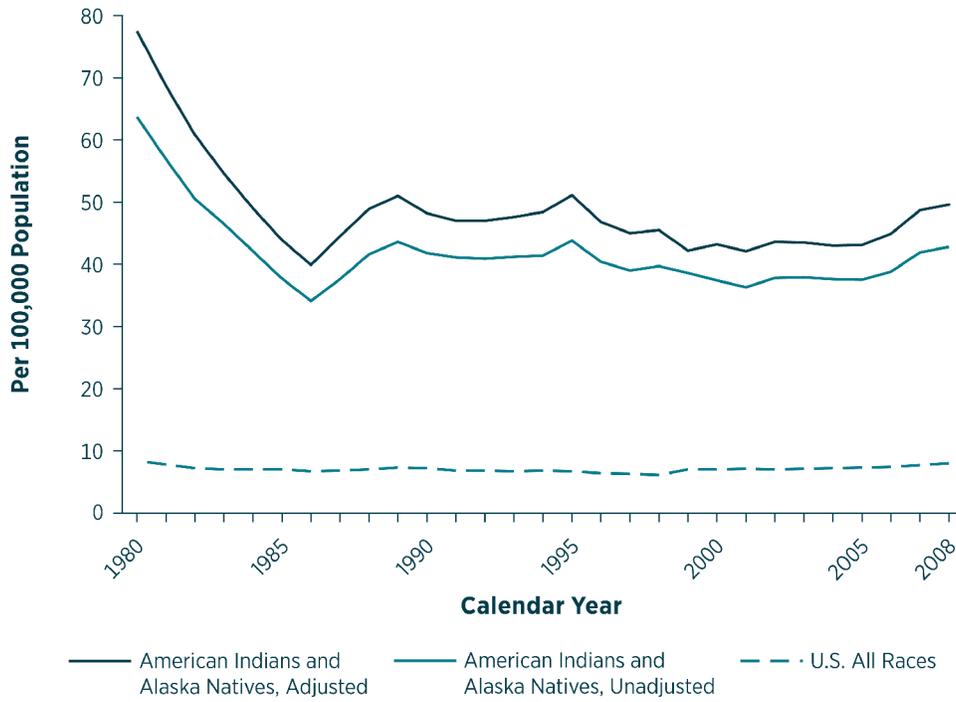


**TABLE 2** Age-Adjusted Suicide Death Rates by Area  
Calendar Years 2007-2009

	Deaths		Rate <sup>1</sup>	
	Unadjusted	Adjusted <sup>2</sup>	Unadjusted	Adjusted <sup>2</sup>
U.S. All Races (2008)	36,035		11.6	
All IHS Areas	950	1,096	16.2	18.5
Alaska	144	154	35.2	37.3
Albuquerque	77	78	23.0	23.3
Bemidji	60	83	16.5	22.3
Billings	54	56	26.3	27.2
California	36	57	6.9	10.5
Great Plains	104	106	26.8	27.2
Nashville	25	26	6.8	7.1
Navajo	132	133	17.2	17.3
Oklahoma City	119	193	11.0	17.1
Phoenix	79	83	12.4	13.0
Portland	94	101	15.9	17.0
Tucson	26	26	22.3	22.3

<sup>1</sup> Age-adjusted rate per 100,000 population. Rates based on a small number of deaths should be interpreted with caution.  
<sup>2</sup> Adjusted to compensate for misreporting of American Indian/Alaska Native race on the state death certificate.

**CHART 3** Age-Adjusted Alcohol-Related Death Rates



**TABLE 3** Alcohol-Related Deaths and Death Rates

American Indians and Alaska Natives, IHS Service Area, and U.S. All Races and White Populations, 1980-2008  
(Age-Adjusted Rate per 100,000 Population)

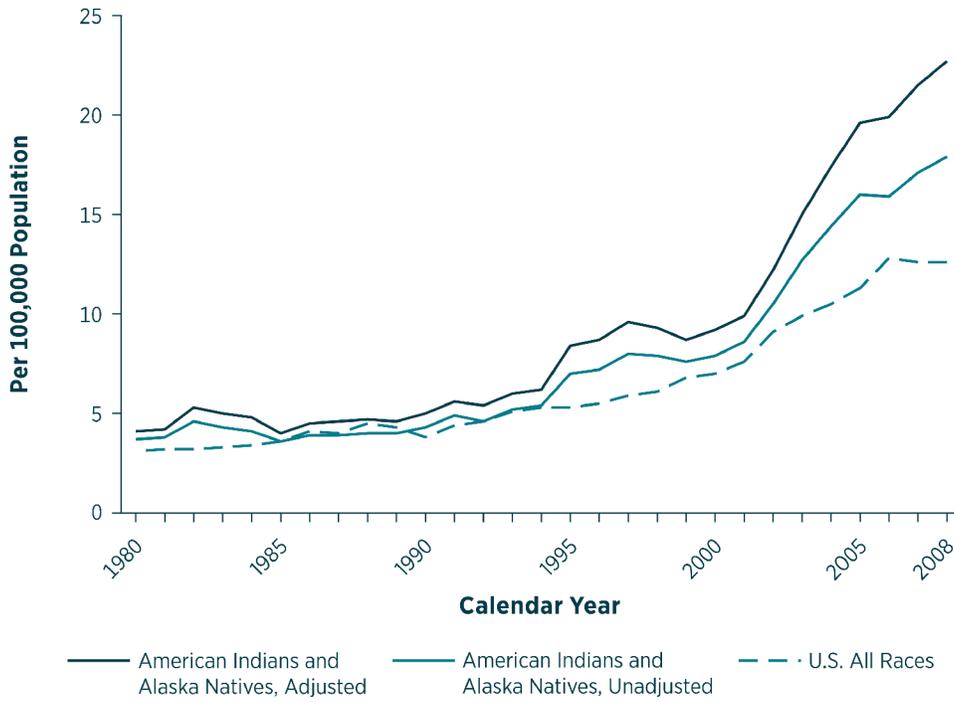
Calendar Year(s)	American Indian and Alaska Native				U.S. All Races	U.S. White	Ratio of American Indian and Alaska Native <sup>1</sup> to:	
	Number		Rate				U.S. All Races	U.S. White
	Unadjusted	Adjusted <sup>1</sup>	Unadjusted	Adjusted <sup>1</sup>	Rate	Rate		
(2009)	692	794						
2007-2009 (2008)	722	842	42.8	49.6	8.0	8.6	6.2	5.8
2006-2008 (2007)	665	784	41.9	48.7	7.7	8.3	6.3	5.9
2005-2007 (2006)	602	693	38.8	44.9	7.4	7.9	6.1	5.7
2004-2006 (2005)	537	616	37.5	43.1	7.3	7.7	5.9	5.6
2003-2005 (2004)	538	626	37.6	43.0	7.2	7.6	6.0	5.7
2002-2004 (2003)	557	630	37.9	43.5	7.1	7.4	6.1	5.9
2001-2003 (2002)	499	578	37.8	43.6	7.0	7.3	6.2	6.0
2000-2002 (2001)	483	573	36.3	42.1	7.1	7.2	5.9	5.8
1999-2001 (2000)	441	504	37.4	43.2	7.0	7.0	6.2	6.2
1998-2000 (1999)	497	570	38.6	42.2	7.0	6.9	6.0	6.1
1997-1999 (1998)	465	536	39.7	45.5	6.1	6.3	7.5	7.2
1996-1998 (1997)	435	500	39.0	45.0	6.3	6.0	7.1	7.5
1995-1997 (1996)	456	527	40.4	46.8	6.4	6.0	7.3	7.8
1994-1996 (1995)	460	543	43.8	51.1	6.7	6.2	7.6	8.2
1993-1995 (1994)	427	494	41.4	48.4	6.8	6.2	7.1	7.8
1992-1994 (1993)	395	458	41.2	47.6	6.7	6.1	7.1	7.8
1991-1993 (1992)	402	458	40.9	47.0	6.8	6.1	6.9	7.7
1990-1992 (1991)	367	417	41.1	47.0	6.8	6.0	6.9	7.8
1989-1991 (1990)	350	403	41.8	48.2	7.2	6.2	6.7	7.8
1988-1990 (1989)	376	436	43.6	51.0	7.3	6.2	7.0	8.2
1987-1989 (1988)	375	441	41.6	48.9	7.0	5.9	7.0	8.3
1986-1988 (1987)	264	310	37.6	44.5	6.8	5.8	6.5	7.7
1985-1987 (1986)	264	310	34.1	39.9	6.7	5.7	6.0	7.0
1984-1986 (1985)	274	315	37.7	43.9	7.0	5.8	6.3	7.6
1983-1985 (1984)	302	348	42.1	49.0	7.0	5.9	7.0	8.3
1982-1984 (1983)	295	345	46.5	54.6	7.0	6.0	7.8	9.1
1981-1983 (1982)	293	343	50.5	60.8	7.2	6.2	8.4	9.8
1980-1982 (1981)	344	424	56.9	68.7	7.8	6.6	8.8	10.4
1979-1981 (1980)	369	436	63.7	77.5	8.4	6.9	9.2	11.2
(1979)	377	454						

<sup>1</sup> Adjusted – specifies a number, rate, or ratio of rates adjusted to compensate for misreporting of AI/AN race on state death certificates.

NOTE: For all years 1979-1998 the causes of death (ICD-9 codes) that define alcohol-related deaths were expanded to include alcoholic polyneuropathy and the entire code group for unintentional poisoning by alcohol, as defined by the National Center for Health Statistics, Centers for Disease Control and Prevention. Years 1999-2004 used ICD-10 codes—these codes were expanded in 2003. The AI/AN death rate columns present data for the three-year period specified and are age-adjusted to the 2000 standard population; the U.S. all races and the U.S. white columns present data for a one-year period. The number columns indicate total AI/AN deaths for the one-year period specified.

SOURCE: Rates for U.S. All Races and U.S. White: Centers for Disease Control and Prevention. CDC Wonder. <http://wonder.cdc.gov/>

**CHART 4** Age-Adjusted Drug-Related Death Rates



**TABLE 4** Drug-Related Deaths and Death Rates

American Indians and Alaska Natives, IHS Service Area, and U.S. All Races and White Populations, 1980-2008  
(Age-Adjusted Rate per 100,000 Population)

Calendar Year(s)	American Indian and Alaska Native				U.S. All Races	U.S. White	Ratio of American Indian and Alaska Native <sup>1</sup> to:	
	Number		Rate				U.S. All Races	U.S. White
	Unadjusted	Adjusted <sup>1</sup>	Unadjusted	Adjusted <sup>1</sup>	Rate	Rate		
(2009)	349	447						
2007-2009 (2008)	332	420	17.9	22.7	12.6	14.0	1.8	1.6
2006-2008 (2007)	269	346	17.1	21.5	12.6	13.8	1.7	1.6
2005-2007 (2006)	288	357	15.9	19.9	12.8	13.6	1.6	1.5
2004-2006 (2005)	248	311	16.0	19.6	11.3	12.0	1.7	1.6
2003-2005 (2004)	250	301	14.4	17.4	10.5	11.2	1.7	1.6
2002-2004 (2003)	201	237	12.7	15.0	9.9	10.5	1.5	1.4
2001-2003 (2002)	158	184	10.5	12.2	9.1	9.5	1.3	1.3
2000-2002 (2001)	126	147	8.6	9.9	7.6	7.8	1.3	1.3
1999-2001 (2000)	105	115	7.9	9.2	7.0	7.1	1.3	1.3
1998-2000 (1999)	113	140	7.6	8.7	6.8	6.8	1.3	1.3
1997-1999 (1998)	107	124	7.9	9.3	6.1	6.0	1.5	1.6
1996-1998 (1997)	105	126	8.0	9.6	5.9	5.7	1.6	1.7
1995-1997 (1996)	110	141	7.2	8.7	5.5	5.3	1.6	1.6
1994-1996 (1995)	69	80	7.0	8.4	5.3	5.0	1.6	1.7
1993-1995 (1994)	75	85	5.4	6.2	5.3	4.9	1.2	1.3
1992-1994 (1993)	52	62	5.2	6.0	5.1	4.8	1.2	1.3
1991-1993 (1992)	57	67	4.6	5.4	4.6	4.3	1.2	1.3
1990-1992 (1991)	50	59	4.9	5.6	4.4	3.8	1.3	1.5
1989-1991 (1990)	48	55	4.3	5.0	3.8	3.6	1.3	1.4
1988-1990 (1989)	45	52	4.0	4.6	4.3	4.0	1.1	1.2
1987-1989 (1988)	36	43	4.0	4.7	4.5	4.0	1.0	1.2
1986-1988 (1987)	45	52	3.9	4.6	4.0	3.6	1.2	1.3
1985-1987 (1986)	39	46	3.9	4.5	4.1	3.8	1.1	1.2
1984-1986 (1985)	34	38	3.6	4.0	3.6	3.4	1.1	1.2
1983-1985 (1984)	27	31	4.1	4.8	3.4	3.1	1.4	1.5
1982-1984 (1983)	40	49	4.3	5.0	3.3	3.1	1.5	1.6
1981-1983 (1982)	30	32	4.6	5.3	3.2	3.0	1.7	1.8
1980-1982 (1981)	28	33	3.8	4.2	3.2	3.0	1.3	1.4
1979-1981 (1980)	25	26	3.7	4.1	3.1	3.0	1.3	1.4
(1979)	27	32						

<sup>1</sup> Adjusted – specifies a number, rate, or ratio of rates adjusted to compensate for misreporting of AI/AN race on state death certificates.

NOTE: Data from 1972 and forward are drawn from specific counties in the IHS service area. The AI/AN death rate columns present data for the three-year period specified and age-adjusted to the 2000 standard population; the U.S. all races and U.S. white columns present data for a one-year period. The number columns indicate total AI/AN deaths for the one-year period specified.

SOURCE: Rates for U.S. All Races and U.S. White: Centers for Disease Control and Prevention. CDC Wonder. <http://wonder.cdc.gov/>



## APPENDIX

INDIAN HEALTH SERVICE REPORT:  
BEHAVIORAL HEALTH 2018 EDITION

## APPENDIX

### Glossary of ICD-10-CM Codes

#### List of Relevant Inclusions in this Volume of 113 Causes of Death (1999-present)

Cause of Death	ICD-10-CM Codes
Intentional self-harm (suicide)	U03, X60-X84, Y87.0
Intentional self-harm (suicide) by discharge of firearms	X72-X74
Intentional self-harm (suicide) by other and unspecified means and their sequelae	U03, X60-X71, X75-X84, Y87.0

#### Additional Causes of Death and their Corresponding ICD-10-CM Codes (1999-present)

(These categories are not included as part of the 113 cause of death or 130 causes of infant death lists. They are independent of these two lists but are valid cause of death codes to use for the causes indicated.)

Cause of Death	ICD-10-CM Codes
Alcohol-related deaths	F10, G31.2, G62.1, I42.6, K29.2, K70, R78.0, X45, X65, Y15
Drug-related deaths	F11-F11.5, F11.7-F11.9, F12-F12.5, F12.7-F12.9, F13-F13.5, F13.7-F13.9, F14-F14.5, F14.7-F14.9, F15-F15.5, F15.7-F15.9, F16-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18-F18.5, F18.7-F18.9, F19-F19.5, F19.7-F19.9, X40-X44, X60-X64, X85, Y10-Y14

#### List of ICD-9-CM Used in Behavioral Health Conditions

Condition	ICD-9-CM Codes
Bipolar Disorder	296.00-296.06, 296.10-296.16, 296.40-296.46, 296.50-296.56, 296.60-296.66, 296.7, 296.80, 296.89
Major Depression	296.20-296.26, 296.30-296.36
Post-Traumatic Stress Disorder	309.81
Psychotic Disorders	298.0-298.4, 298.8-298.9, 293.81-293.82
Anxiety Disorder	300.00-300.02, 300.09, 300.20-300.23, 300.29, 300.3x
Dementia (Alzheimer's)	331.0
Dementia (Vascular Dementia)	290.4x
Alcohol Use Disorders and Alcohol-Induced Mental Disorders	291.x, 303.0x, 303.9x, 305.0x
Alcohol-Related Liver Diseases and Cirrhosis	571.0-571.3
Drug-Related Substance Use Disorders	304.0x-304.9x, 305.2x-305.9x
Maltreatment-Related	V61.11-V61.12, V61.21-V61.22, V62.83, 995.80-995.85
Fetal Alcohol Syndrome	760.71

Condition	ICD-9-CM Codes
Autism Severe	299.00 and at least one of the following: 315.32, 307.3, or 388.5
Autism Spectrum Disorder	299.00 and none of the following: 315.32, 307.3, or 388.5
Partner Relationships	V61.0x, V61.1x (Exclude V61.11, V61.12)
Family Circumstances	V61.2, V61.23-V61.25, V61.29, V61.8-V61.9
Life Circumstances	V62.xx (Exclude V62.6x, V62.83)

NOTE: “x” refers to a “wild card” number which could be any value from 0 to 9

### Age of Onset of Selected Behavioral Health Conditions\*

	Average (years)	Range (years)	Source
<b>Bipolar Disorders</b>	25	12-42	(1)
<b>Alcohol Disorders Alcohol Abuse</b>	21	18-29	(1)
<b>Alcohol Dependence</b>	19	17-23	(1)
<b>Any Anxiety Disorder</b>	11	6-21	(1)
<b>Generalized Anxiety Disorder</b>	31	20-47	(1)
<b>Drug Use Disorder</b>	19	12-23	(1)
<b>Major Depressive Disorder</b>	17	15-19	(3)
<b>Psychotic Disorders**</b>	16	15-38	(2)
<b>Post-Traumatic Shock Disorder</b>	23	15-39	(1)

(1) <http://bit.ly/1RKEqqJ>

(2) Kessler RC et al. Age of onset of mental disorders: A review of recent literature. *Curr Opin Psychiatry* 2007; 20(4):359-364.

(3) <http://bit.ly/1pKBqUC>

\*Autism, Alzheimer’s Disease, Fetal Alcohol Syndrome, and Vascular Dementia are conditions not included in this table. Autism and Fetal Alcohol Syndrome are conditions generally thought to be acquired prior to birth. Dementias such as Alzheimer’s Disease and Vascular Dementia can co-exist in the same person. Considerable controversy over the relationship of age in these diseases makes it impossible as of this writing to present a likely age of onset or range in the general population. See <http://dx.doi.org/doi:10.1016/j.jsbmb.2016.03.012> for one such discussion in relation to Alzheimer’s Disease risks due to age and sex.

\*\*Mostly based on Schizophrenia data

## Statistics on Prevalence of Behavioral Health Conditions for U.S. General Population

### Statistics on prevalence of BH problems

Overall: <http://www.nimh.nih.gov/health/statistics/prevalence/index.shtml>

### Alcohol Disorders

[http://www.hcp.med.harvard.edu/ncs/ftpdir/NCS-R\\_Lifetime\\_Prevalence\\_Estimates.pdf](http://www.hcp.med.harvard.edu/ncs/ftpdir/NCS-R_Lifetime_Prevalence_Estimates.pdf)

### Alzheimer's Disease

An estimated 5.3 million Americans of all ages have Alzheimer's disease in 2015. Of the 5.3 million Americans with Alzheimer's, an estimated 5.1 million people are age 65 and older, and approximately 200,000 individuals are under age 65 (younger-onset Alzheimer's). Almost two-thirds of Americans with Alzheimer's are women. Of the 5.1 million people age 65 and older with Alzheimer's in the United States, 3.2 million are women and 1.9 million are men. Although there are more non-Hispanic whites living with Alzheimer's and other dementias than people of any other racial or ethnic group in the United States, older African-Americans and Hispanics are more likely than older whites to have Alzheimer's disease and other dementias. The number of Americans with Alzheimer's disease and other dementias will grow each year as the size and proportion of the U.S. population age 65 and older continue to increase. By 2025, the number of people age 65 and older with Alzheimer's disease is estimated to reach 7.1 million — a 40 percent increase from the 5.1 million age 65 and older affected in 2015. By 2050, the number of people age 65 and older with Alzheimer's disease may nearly triple, from 5.1 million to a projected 13.8 million, barring the development of medical breakthroughs to prevent or cure the disease. <http://www.alz.org/facts/#prevalence>

### Any Anxiety Disorder

<http://www.nimh.nih.gov/health/statistics/prevalence/index.shtml>

[http://www.nimh.nih.gov/images/stats/NCS-R\\_AnxietyDisorders-Chart1-360\\_147927\\_2.jpg](http://www.nimh.nih.gov/images/stats/NCS-R_AnxietyDisorders-Chart1-360_147927_2.jpg)

[http://www.nimh.nih.gov/images/stats/NCS-R\\_AnxietyDisorders-Chart2-360\\_147928\\_2.jpg](http://www.nimh.nih.gov/images/stats/NCS-R_AnxietyDisorders-Chart2-360_147928_2.jpg)

[http://www.nimh.nih.gov/images/stats/NCS-R\\_AnxietyDisorders-Chart4-720\\_147929\\_2.jpg](http://www.nimh.nih.gov/images/stats/NCS-R_AnxietyDisorders-Chart4-720_147929_2.jpg)

### Autism

A survey by the Centers for Disease Control and Prevention (CDC) of health and school records of 8-year-olds in 11 communities throughout the country found that in 2010, the rate of Autism Spectrum Disorders (ASD) was higher than in past U.S. studies, around 1 in 68 children. Boys face about four to five times higher risk than girls. Experts disagree about whether this shows a true increase in ASD prevalence. Since the earlier studies were completed, guidelines for diagnosis have changed. Also, many more parents and doctors now know about ASD, so parents are more likely to take their children to be diagnosed, and more doctors are able to properly diagnose ASD. These and other changes may help explain some differences in prevalence numbers. Even so, the CDC report confirms other recent studies showing that more children are being diagnosed with ASD than ever before.

[https://www.nimh.nih.gov/health/topics/autism-spectrum-disorders-asd/index.shtml#part\\_145438](https://www.nimh.nih.gov/health/topics/autism-spectrum-disorders-asd/index.shtml#part_145438)

## Bipolar Disorders

[http://www.hcp.med.harvard.edu/ncs/ftplib/NCS-R\\_Lifetime\\_Prevalence\\_Estimates.pdf](http://www.hcp.med.harvard.edu/ncs/ftplib/NCS-R_Lifetime_Prevalence_Estimates.pdf)

See also

<http://www.nimh.nih.gov/health/statistics/prevalence/bipolar-disorder-among-adults.shtml>

[http://www.nimh.nih.gov/images/stats/Bipolar-Adults\\_1\\_148120\\_2.jpg](http://www.nimh.nih.gov/images/stats/Bipolar-Adults_1_148120_2.jpg)

[http://www.nimh.nih.gov/images/stats/NCS-R\\_BiopolarDisorder-Chart2-360\\_148121\\_2.jpg](http://www.nimh.nih.gov/images/stats/NCS-R_BiopolarDisorder-Chart2-360_148121_2.jpg)

[http://www.nimh.nih.gov/images/stats/NCS-R\\_BiopolarDisorder-Chart4-720\\_148123\\_2.jpg](http://www.nimh.nih.gov/images/stats/NCS-R_BiopolarDisorder-Chart4-720_148123_2.jpg)

In children:

<http://www.nimh.nih.gov/health/statistics/prevalence/bipolar-disorder-among-children.shtml>

## Depression

Major depressive disorder is one of the most common mental disorders in the U.S. Each year about 6.7% of U.S. adults experience major depressive disorder. Women are 70% more likely than men to experience depression during their lifetime. Non-Hispanic blacks are 40% less likely than non-Hispanic whites to experience depression during their lifetime. The average age of onset is 32 years old. Additionally, 3.3% of 13 to 18 year olds have experienced a seriously debilitating depressive disorder.

[https://www.nimh.nih.gov/health/topics/depression/index.shtml#part\\_145396](https://www.nimh.nih.gov/health/topics/depression/index.shtml#part_145396)

## Generalized Anxiety Disorder

Generalized anxiety disorders (GAD) affect about 3.1% American adults age 18 years and older (about 18%) in a given year, causing them to be filled with fearfulness and uncertainty. The average age of onset is 31 years old. GAD affects about 6.8 million American adults, including twice as many women as men. The disorder develops gradually and can begin at any point in the life cycle, although the years of highest risk are between childhood and middle age.

[https://www.nimh.nih.gov/health/topics/generalized-anxiety-disorder-gad/index.shtml#part\\_145364](https://www.nimh.nih.gov/health/topics/generalized-anxiety-disorder-gad/index.shtml#part_145364)

## Post-Traumatic Stress Disorder

Prevalence of PTSD in the Community

U.S. National Comorbidity Survey Replication

The National Comorbidity Survey Replication (NCS-R), conducted between February 2001 and April 2003, comprised interviews of a nationally representative sample of 9,282 Americans aged 18 years and older. PTSD was assessed among 5,692 participants, using DSM-IV criteria. The NCS-R estimated the lifetime prevalence of PTSD among adult Americans to be 6.8%. Current past year PTSD prevalence was estimated at 3.5%. The lifetime prevalence of PTSD among men was 3.6% and among women was 9.7%. The twelve month prevalence was 1.8% among men and 5.2% among women.

These findings are very similar to those of the first National Comorbidity Survey. The original survey was conducted in the early 1990s and comprised interviews of a representative national sample of 8,098 Americans aged 15 to 54 years. In this earlier sample, the estimated prevalence of lifetime PTSD was 7.8% in the general population. Women (10.4%) were more than twice as likely as men (5%) to have PTSD at some point in their lives.

### **PTSD among children and adolescents**

To date, no population-based epidemiological study has examined the prevalence of PTSD among children. However, studies have examined the prevalence of PTSD among high-risk children who have experienced specific traumatic events, such as abuse or natural disasters. Prevalence estimates from studies of this type vary greatly; however, research indicates that children exposed to traumatic events may have a higher prevalence of PTSD than adults in the general population. Kilpatrick and colleagues (2003) assessed the prevalence of PTSD among adolescents based on data from the National Survey of Adolescents, which included a household probability sample of 4,023 adolescents between the ages of 12 and 17. Using DSM-IV criteria for PTSD, the 6-month prevalence was estimated to be 3.7% for boys and 6.3% for girls. <http://www.ptsd.va.gov/professional/PTSD-overview/epidemiological-facts-ptsd.asp>

See also [http://www.hcp.med.harvard.edu/ncs/ftpdir/NCS-R\\_Lifetime\\_Prevalence\\_Estimates.pdf](http://www.hcp.med.harvard.edu/ncs/ftpdir/NCS-R_Lifetime_Prevalence_Estimates.pdf)

### **Schizophrenia**

About 1% of Americans have this illness. Schizophrenia affects men and women equally. It occurs at similar rates in all ethnic groups around the world. Symptoms such as hallucinations and delusions usually start between ages 16 and 30. Men tend to experience symptoms a little earlier than women. Most of the time, people do not get schizophrenia after age 45. Schizophrenia rarely occurs in children, but awareness of childhood-onset schizophrenia is increasing. It can be difficult to diagnose schizophrenia in teens. This is because the first signs can include a change of friends, a drop in grades, sleep problems, and irritability—behaviors that are common among teens. A combination of factors can predict schizophrenia in up to 80% of youth who are at high risk of developing the illness. These factors include isolating oneself and withdrawing from others, an increase in unusual thoughts and suspicions, and a family history of psychosis. In young people who develop the disease, this stage of the disorder is called the “prodromal” period. [https://www.nimh.nih.gov/health/topics/schizophrenia/index.shtml#part\\_145429](https://www.nimh.nih.gov/health/topics/schizophrenia/index.shtml#part_145429)

### **Vascular Dementia**

See Hebert R, Brayne C. *Neuroepidemiology* 1995;14(5):240-257. “The prevalence of VaD increases linearly with age and varies greatly from country to country, ranging from 1.2 to 4.2% of people over 65 years old, even after adjustment for age and sex.”





U.S. Department of Health and Human Services  
Indian Health Service  
*Report Behavioral Health 2018 Edition*  
ISSN 2472-6974 (print edition)  
ISSN 2472-7024 (web edition)  
Released March 2018