

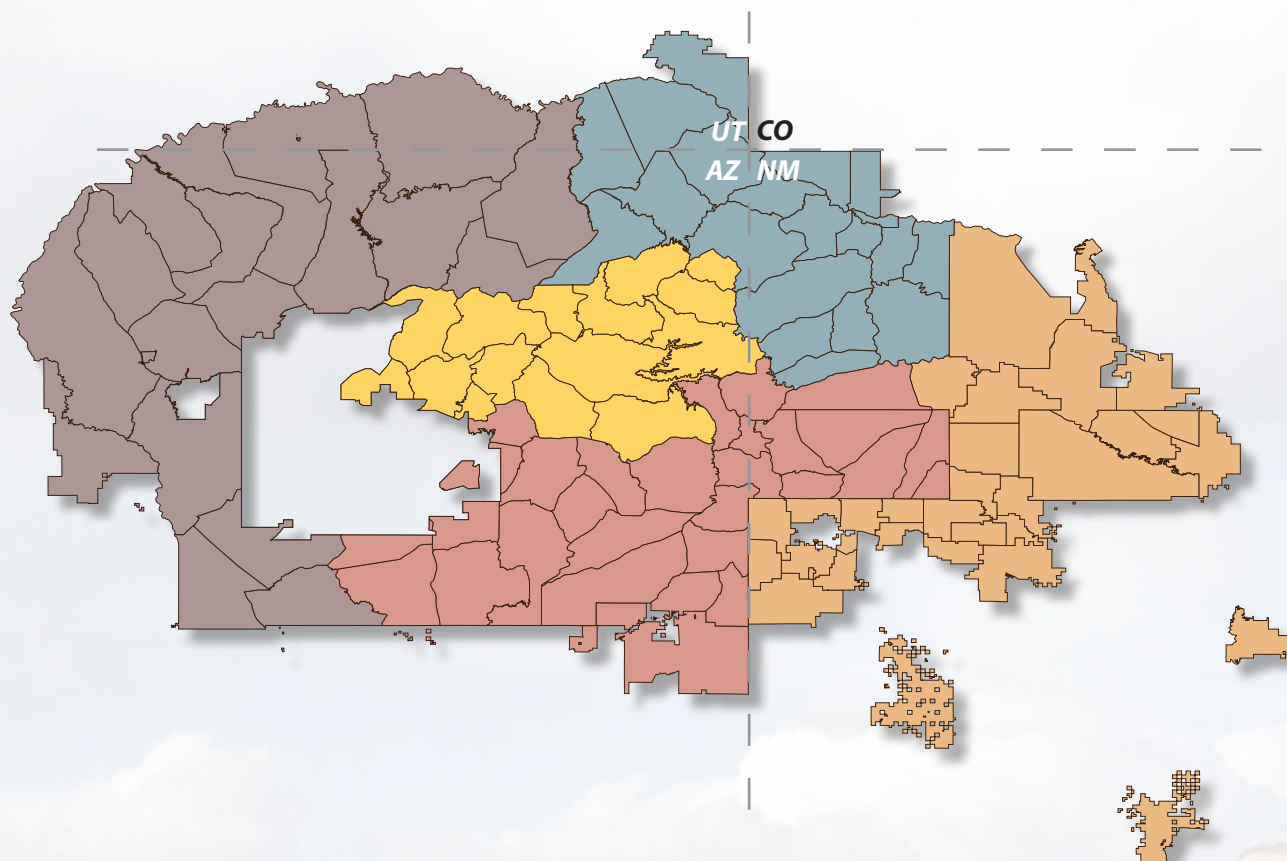


Navajo Nation Hospitalization & Emergency Room Rates 2016

National Center for Health Statistics 113 Select Causes



April 2019



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Introduction

Health care facilities operating on the Navajo Nation including Indian Health Service (IHS), 638, and private clinics provide the data in this report. IHS compiles and stores this data in a system called the National Data Warehouse (NDW). IHS then makes this data available to Tribal Epidemiology Centers via the Epi Data Mart (EDM). The EDM consists of a collection of SAS datasets that reside on a server within the IHS and is managed by the Division of Epidemiology and Disease Prevention (DEDP) within the Office of Public Health Support. The EDM consists of the patient registration information and encounter, or health care visit, data. The patient registration information includes name, address, facility where the patient is registered, AI/AN status, tribal affiliation (or not), community of residence, date of birth, gender, etc. The patient encounters information includes things such as diagnostic, procedure, result codes and descriptions, provider notes, type of encounter (i.e. contract, hospital, outpatient, public health nurse, etc.). Facilities send this data to the NDW on a regular schedule with the majority sending monthly.

This report contains diagnosis data from the EDM if the patient was treated between January 1, 2016 and December 31, 2016, inclusive. Clients are included only if they identify as being Native American, being Navajo, and having a community residence on the Navajo Nation or within a border town¹ including the 3 Navajo satellite communities (Alamo, Ramah, and Tohajiilee). This report only displays counts and rates at the Navajo Nation level and not at the Navajo Agency or Chapter level because of issues with small numbers for rare conditions.

Health conditions are organized according to the International Classification of Diseases (ICD) 10 standards, and according to the National Center of Health Statistics (NCHS) guidelines for 113 selected causes of death (http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58_19.pdf). The reader may refer to the appendix for these definitions. This report also includes an additional 8 infectious diseases and 7 conditions from the Mental & Behavioral Health ICD-10 block which are of interest to the NEC. The 2000 and 2010 U.S. Census provides population data for each Navajo Chapter and border town. The author estimated the 2016 Navajo Nation population which was used for the denominator in rate calculations by calculating the population change between 2000 and 2010 and applying a constant rate of change for each year from 2011-2016. The 2016 estimated Navajo and border town population is then used to calculate the rates. These rates are age adjusted to the 2000 U.S. population.

The IHS Standard Code Book (SCB) helped to further stratify by the type of health care clinic where the patient was treated. A “CLINIC_CD” variable of “Emergency Medicine” indicates an Emergency Room (ER) visit case, and a “SVC_CAT_CD” variable coded as “H” indicates a Hospitalization case. Rates and counts are suppressed if there are fewer than 5 cases for a health condition. Note that the rates presented do not indicate unique individuals as a person can be treated multiple times in the course of the year for the same health condition.

¹ Border towns include Aztec (NM), Blanding (UT), Bloomfield (NM), Bluff (UT), Cuba (NM), Farmington (NM), Flagstaff (AZ), Upper Fruitland (NM), Gallup (NM), Grants (NM), Holbrook (AZ), Joseph City (AZ), Kirtland (NM), Monticello (UT), Page (AZ), Waterflow (NM), Winslow (AZ)

Charts 1-4 present leading causes of hospitalization for the Navajo Nation including comparisons to hospitalization rates from the State of Utah and the State of New Mexico. Hospitalization rate data were not available from the State of Arizona, so comparison data are not included.

For each ICD-10 block (grouping of diseases and external causes) charts are provided for emergency room and hospitalization rates for the Navajo Nation alone. Chart 48 displays additional emergency room and hospitalization rates for infectious diseases that are of particular interest to the Navajo Nation, but not included in the NCHS 113 select causes. When sufficient data are available, additional charts are included for each ICD-block displaying hospitalization data by Gender. External causes of injury by Emergency Room visit are also presented by Gender.

Tables 1-45 display count data and rates for the 113 select causes. Data is available for emergency room visits, hospitalization, and all health care visits (which may include data for something as basic as a chart review). Gender specific counts and hospitalization rates are also provided where counts are greater or equal to 5.

There are many differences between hospitalization rates for the Navajo Nation and comparison Border States. The hospitalization rates for nearly all of the leading causes are at least twice as high as the comparison States (Chart 1). The leading 5 causes of hospitalization for the Navajo Nation are Diabetes, Anemias, Primary Hypertension, Renal Failure, and Other Respiratory Diseases (see Appendix for definition). The Navajo Nation rates for septicemia are only half as large as comparison States. The 7th and 8th leading causes of hospitalization for the Navajo Nation are Alcohol Dependence and Harmful Use of Alcohol, which are not among the NCHS 113 select causes. Approximately 1.7% of Harmful Use of Alcohol cases were also coded as Alcohol Dependence. Chart 2 displays additional causes of hospitalization rates that are among the highest for Utah and New Mexico. There are 13 causes shown because 7 leading causes are shared by both States and 3 were unique leading causes for each State. Chart 3 displays 3 additional health conditions (pregnancy; symptoms, signs and abnormal lab findings; residual) where a very large difference is seen between the Navajo Nation and Border States. These differences may be due to different coding practices or health care utilization.

There are significant differences in hospitalization rates by gender for some health conditions. All rates provided in parenthesis are age adjusted per 10,000 people. Hospitalization rates were significantly higher for females than males for anemias (74.5 and 37.5 respectively), cholelithiasis and other disorders of the gallbladder (30.9 and 21.4), and infections of the kidney (11.7 and 1.8). Hospitalization rates were higher for males than females for diabetes (77.2 and 48.5 respectively), alcohol dependence (37.3 and 10.6), harmful use of alcohol (34.3 and 12.1, primary hypertension (45.3 and 25.9), chronic ischemic heart disease (12.8 and 6.2), stroke (6.6 and 2.5), diseases of the artery (3.2 and 0.8), pneumonitis due to solids and liquids (3.3 and 1.0), alcohol liver disease (22.2 and 12.5), renal failure (38.9 and 22.6), other and unspecified non-transportation accidents (11.0 and 4.8), and assault by other (non-firearm) means (7.2 and 1.5). For some health conditions not enough data were available to make comparisons by gender.

Gender differences for ER visits are provided for external cause of injury only. Males had significantly higher rates than females for other land transportation (51.9 and 16.4 respectively), accidental discharge of firearm (3.6 and 0.6), accidental exposure to smoke/fire/flame (7.0 and 2.7), other and unspecified non-transportation accidents (469.0 and 297.7), assault by other (non-firearm) means (268.4 and 146.0), legal intervention (9.0 and 1.2), and other and unspecified events of undetermined intent (13.6 and 8.2). Females did not have higher ER rates for any types of external injuries.

The purpose of the report is to further describe which diseases, health conditions, and types of injury are contributing to the morbidity burden of the Navajo Nation. This data can be used by programs, projects, departments, divisions, and organizations to understand where resources can and should be allocated. This is the first attempt to describe the health of the Navajo people using hospitalization and ER data, so trends are not yet available. Future reports will be able to demonstrate which conditions are improving and which are becoming worse. This information can be utilized to demonstrate the impact of programs and projects working to address the health and disease burdens on the Navajo Nation.

Leading Causes of Hospitalization with State Comparisons

Chart 1 Leading Causes of Hospitalization on the Navajo Nation, Both Genders with State Comparisons

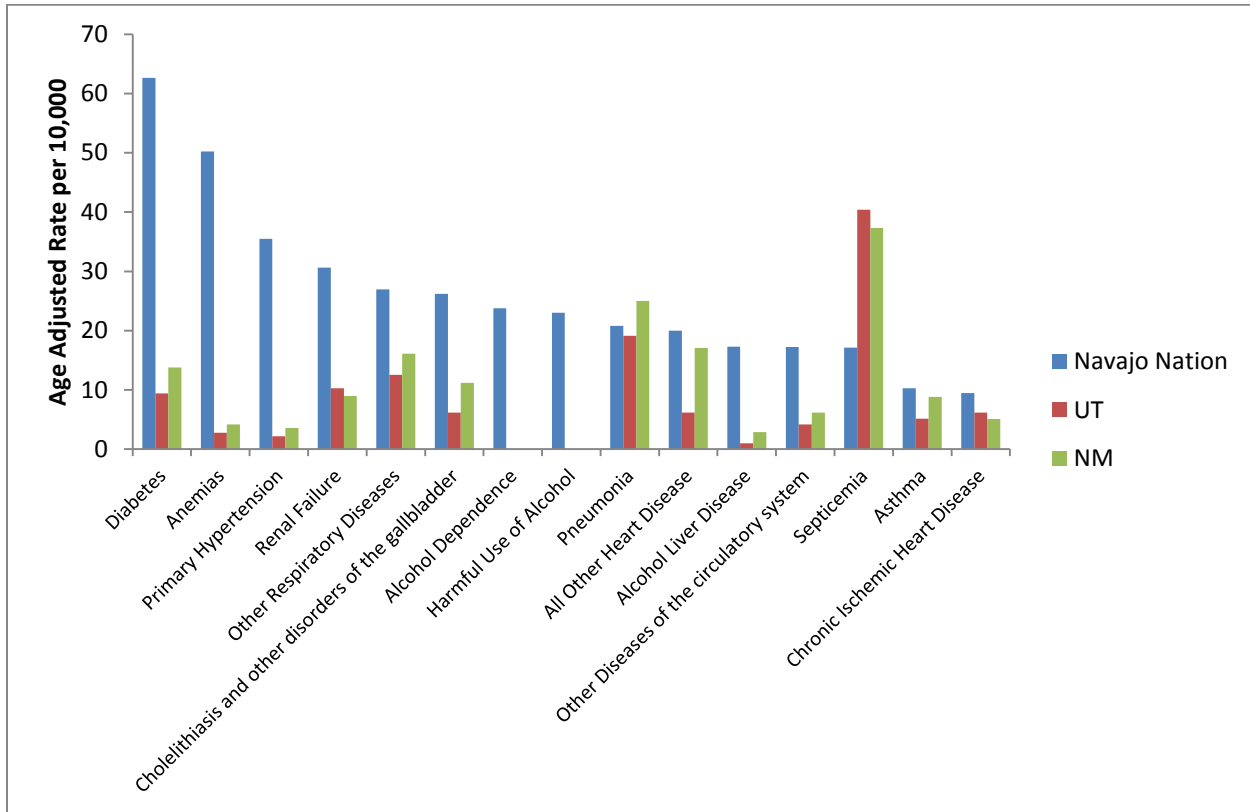


Chart 2 Next 13 Leading Causes of Hospitalization both Genders for New Mexico & Utah

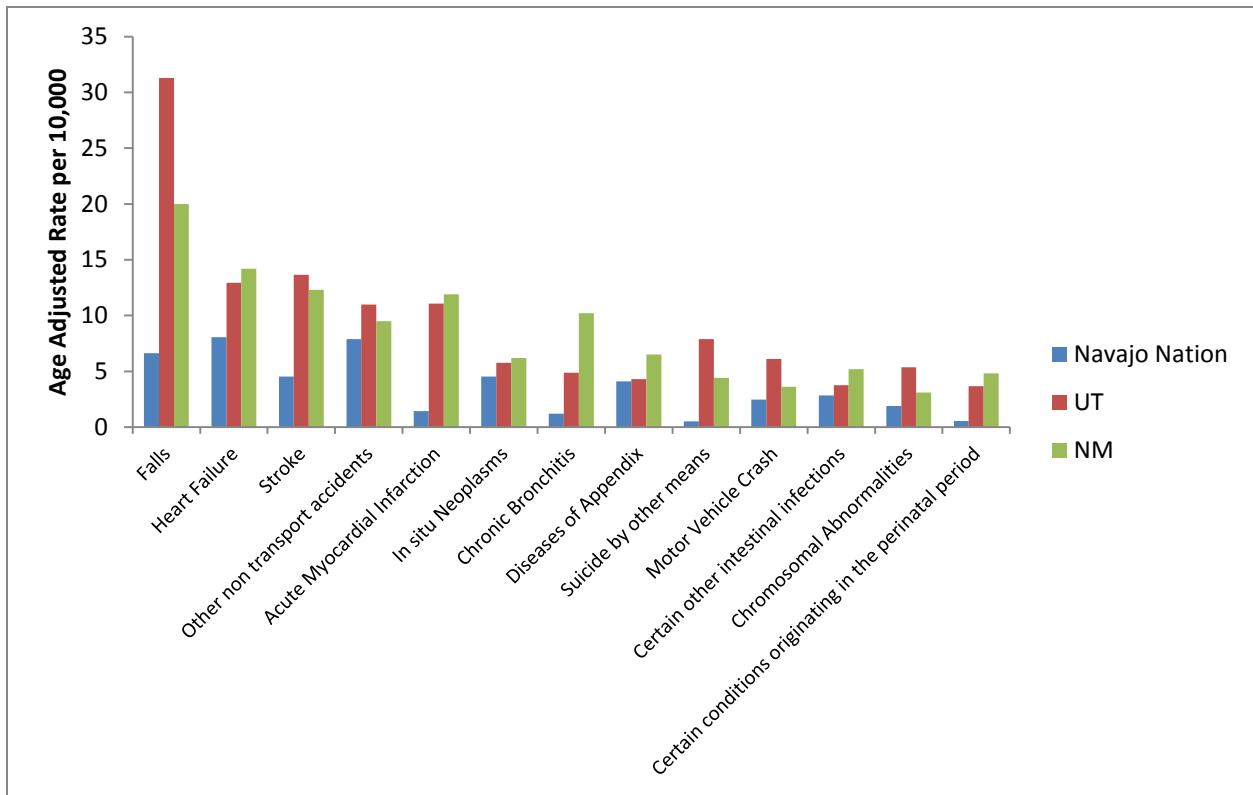
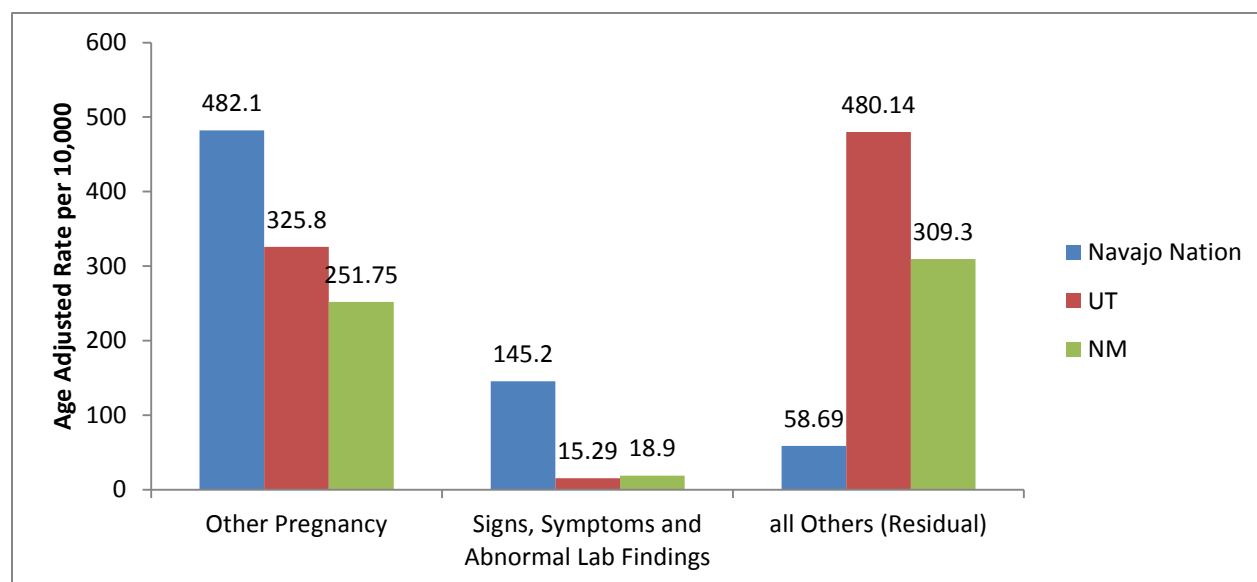
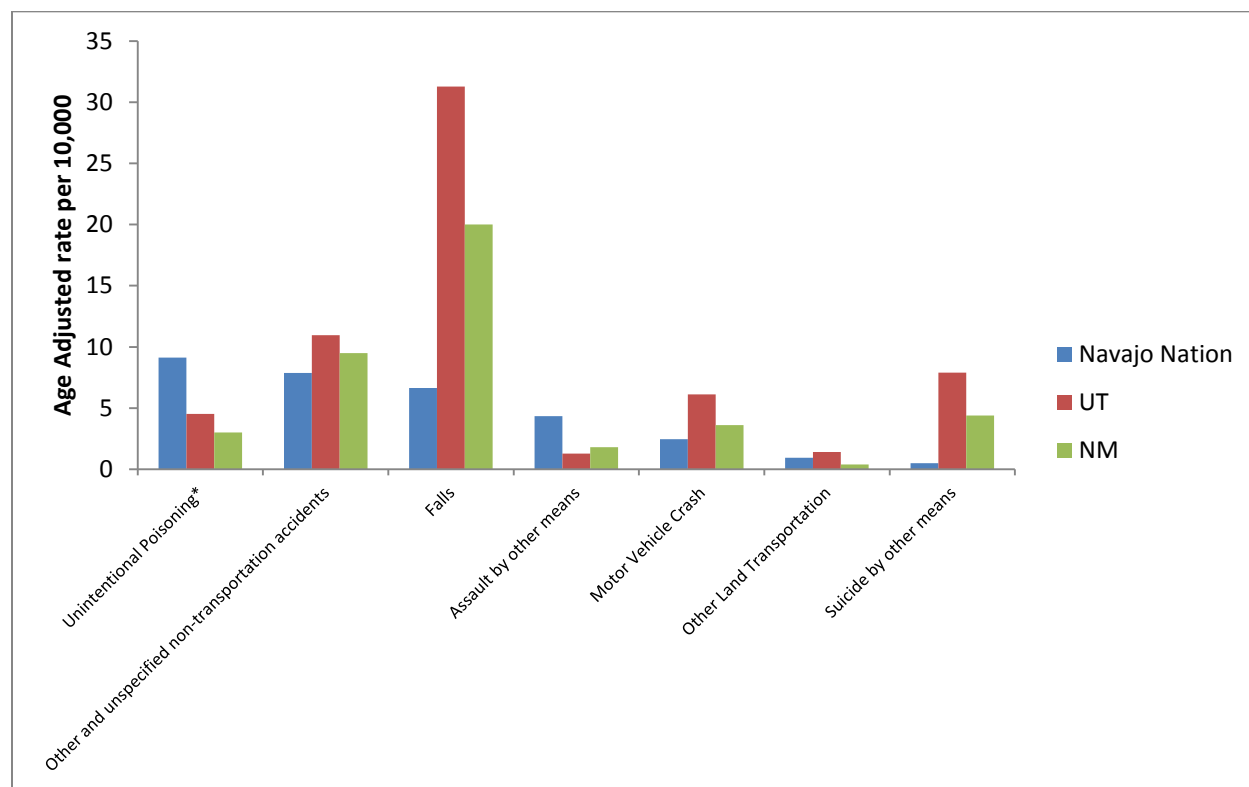


Chart 3 Pregnancy, Signs/Symptoms and Laboratory Findings, & Residual Hospitalization



Other Pregnancy: Other complications of pregnancy, childbirth and the puerperium (i.e. not related to “Pregnancy with abortive outcome”)

Chart 4 External Causes (Intentional & Unintentional Injuries) of Hospitalization on the Navajo Nation, Both Genders with State Comparisons



*Unintentional poisoning for the Navajo Nation was calculated using T-codes whereas the State comparisons utilized X codes, which were not available for the Navajo Nation.

Certain infectious and parasitic diseases

Chart 5 Leading causes of Infectious Disease Emergency Room (ER) visits on the Navajo Nation, Both Genders

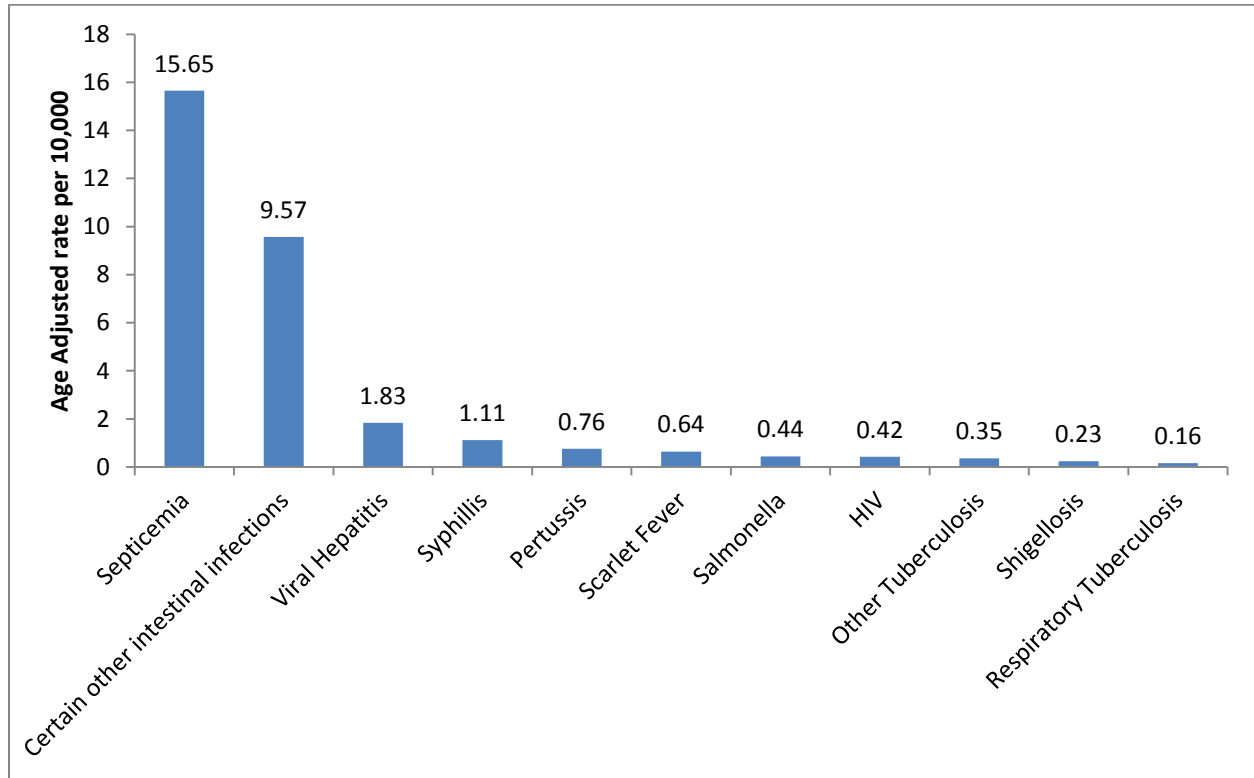


Chart 6 Leading causes of Infectious Disease Hospitalization on the Navajo Nation, Both Genders

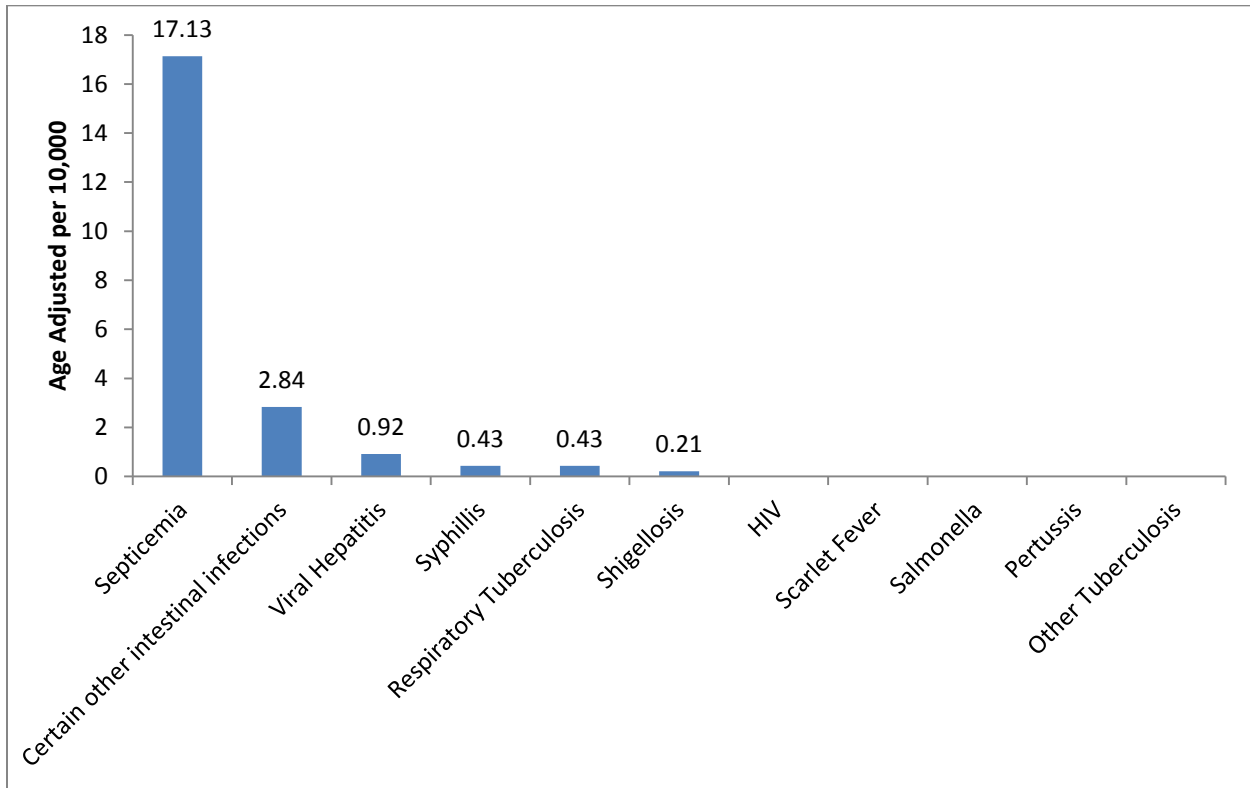


Chart 7 Infectious Disease Hospitalizations, by Gender

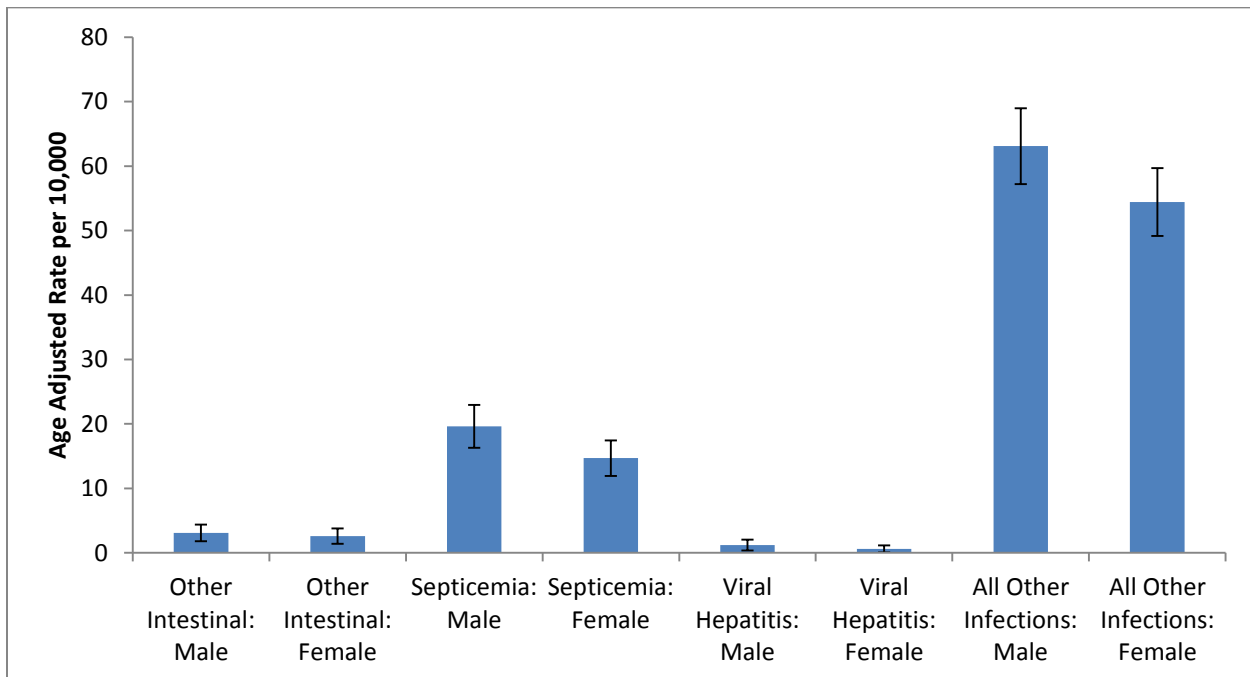


Table 1 Infectious Disease All Health Care Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Salmonella	41	1.98 (1.28, 2.67)
Shigellosis	54	1.38 (0.81, 1.96)
Certain other intestinal infections	916	53.72 (49.98, 57.45)
Respiratory Tuberculosis	122	6.80 (5.47, 8.14)
Other Tuberculosis	26	1.33 (0.75, 1.91)
Pertussis	39	1.89 (1.19, 2.59)
Scarlet Fever	82	2.68 (1.88, 3.49)
Meningococcal Infection	0	
Septicemia	1,095	59.59 (55.61, 63.57)
Syphilis	223	13.77 (11.89, 15.66)
Polio	NA	
Arthropod Borne Viral Encephalitis	NA	
Measles	NA	
Viral Hepatitis	326	21.28 (18.92, 23.65)
HIV	95	6.59 (5.24, 7.93)
Malaria	NA	
All Other	39,564	1905.3 (1883.5, 1927.1)

Note: Not Available (NA) if fewer than 5 cases

Table 2 Infectious Disease ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Salmonella	7	0.44 (0.11, 0.77)
Shigellosis	9	0.23 (0.002, 0.46)
Certain other intestinal infections	188	9.57 (8.01, 11.12)
Respiratory Tuberculosis	5	0.16 (0,0.35)
Other Tuberculosis	5	0.35 (0.04, 0.66)
Pertussis	12	0.76 (0.30, 1.21)
Scarlet Fever	12	0.64 (0.24, 1.04)
Meningococcal Infection	0	
Septicemia	293	15.65 (13.60, 17.69)
Syphilis	19	1.11 (0.59, 1.64)
Polio	NA	
Arthropod Borne Viral Encephalitis	NA	
Measles	0	
Viral Hepatitis	28	1.83 (1.14, 2.52)
HIV	6	0.42 (0.08, 0.76)
Malaria	0	
All Other	6,274	278.4 (270.0, 286.7)

Table 3 Infectious Disease Hospitalization, Both Genders

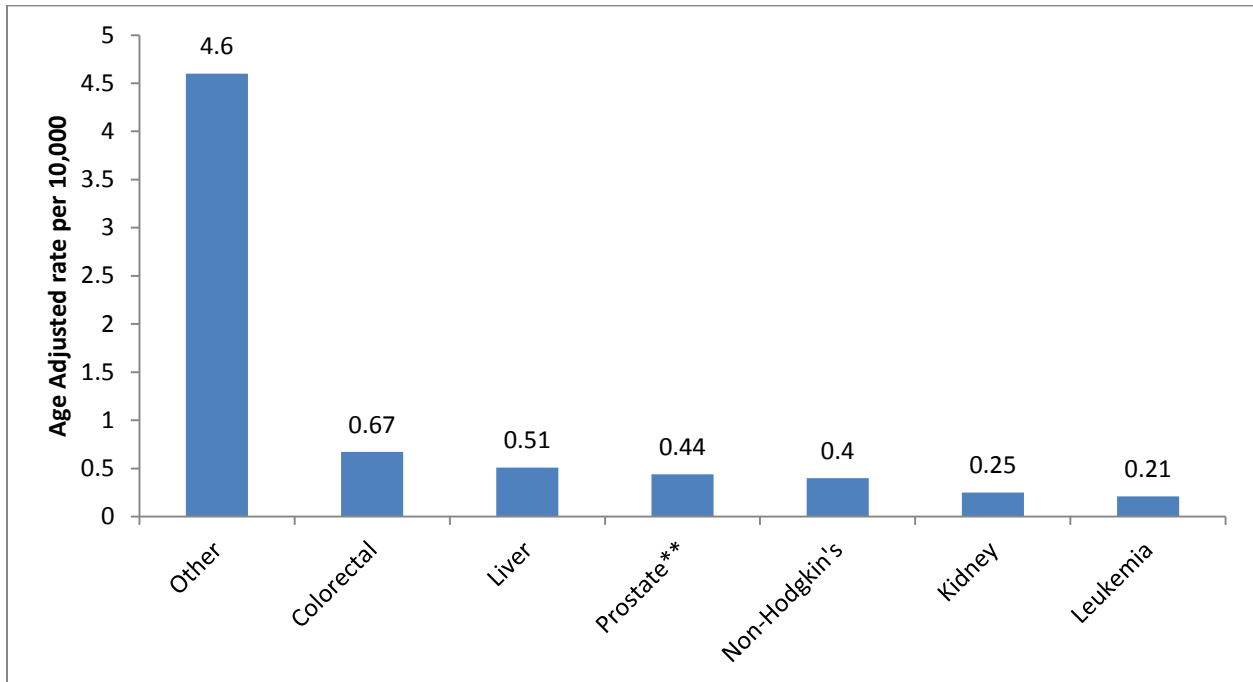
Health Condition	Count	Age Adjusted Rate
Salmonella	NA	
Shigellosis	7	0.21 (0, 0.45)
Certain other intestinal infections	49	2.84 (1.96, 3.72)
Respiratory Tuberculosis	8	0.43 (0.08, 0.78)
Other Tuberculosis	NA	
Pertussis	0	
Scarlet Fever	NA	
Meningococcal Infection	0	
Septicemia	319	17.13 (14.98, 19.28)
Syphilis	6	0.43 (0.08, 0.79)
Polio	NA	
Arthropod Borne Viral Encephalitis	0	
Measles	NA	
Viral Hepatitis	13	0.92 (0.41, 1.42)
HIV	NA	
Malaria	0	
All Other	1,157	58.69 (54.76, 62.63)

Table 3a Infectious disease Hospitalizations, by Gender

Disease	Male Count	Male Rate	Female Count	Female Rate
Certain other intestinal infections	26	3.08 (1.79, 4.38)	23	2.60 (1.41, 3.79)
Septicemia	160	19.63 (16.30, 22.96)	159	14.69 (11.95, 17.43)
Viral Hepatitis	8	1.21 (0.37, 2.06)	5	0.63 (0.07, 1.19)
All Other	566	63.09 (57.21, 68.96)	591	54.42 (49.16, 59.69)

Neoplasms

Chart 8 Leading 7 Neoplasm Site Hospitalizations, Both Genders



**Only males were included in the calculation of this rate

Chart 9 Neoplasm Hospitalizations, by Gender

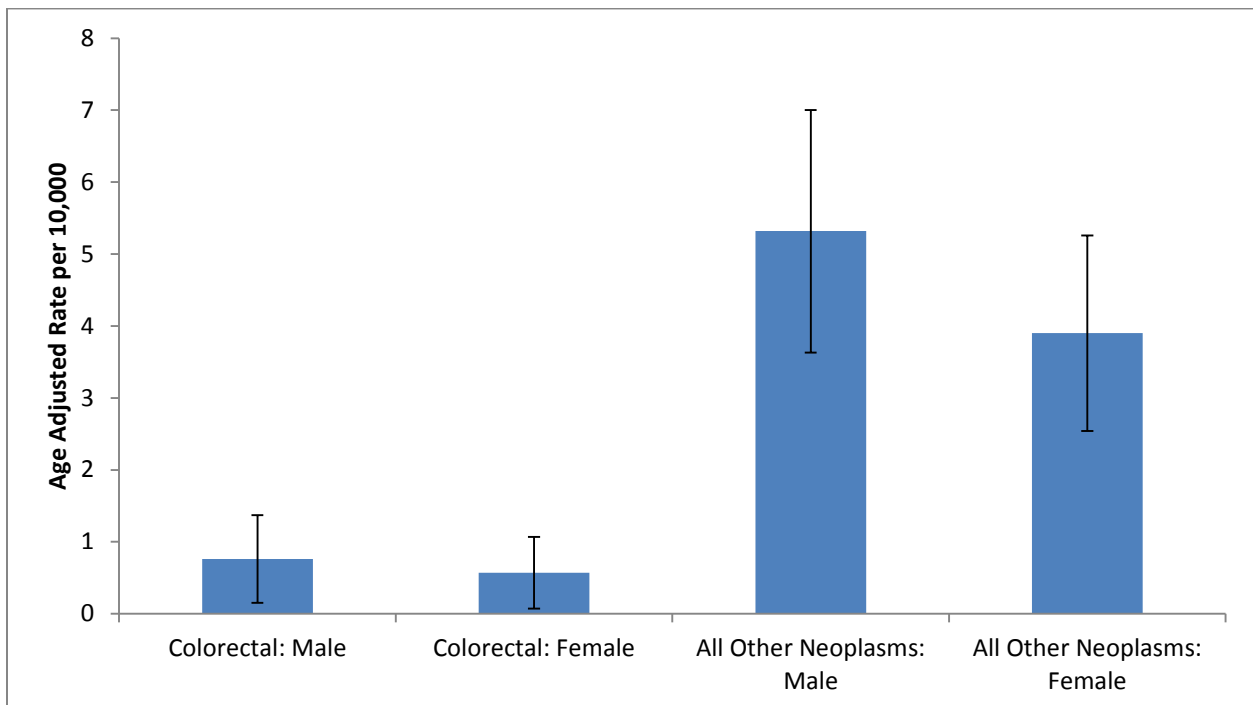


Table 4 Neoplasm All Health Care Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Lip, Oral & Pharynx	0	
Esophagus	NA	
Stomach	54	3.23 (2.31, 4.15)
Colorectal	246	14.71 (12.77, 16.66)
Liver	59	3.95 (2.92, 4.98)
Pancreas	37	1.70 (1.03, 2.37)
Larynx	7	0.45 (0.09, 0.81)
Lung	54	3.46 (2.49, 4.43)
Melanoma	17	0.95 (0.45, 1.46)
Breast*	518	59.63 (54.19, 65.08)
Cervical*	16	2.02 (1.02, 3.03)
Uterine*	86	11.15 (8.73, 13.57)
Ovary*	53	6.43 (4.62, 8.24)
Prostate**	181	17.12 (14.03, 20.20)
Kidney	156	9.36 (7.79, 10.93)
Bladder	9	0.40 (0.08, 0.72)
Brain	38	2.26 (1.49, 3.04)
Hodgkin's	9	0.67 (0.23, 1.11)
Non-Hodgkin's	166	9.61 (8.02, 11.19)
Multiple Myeloma	0	
Leukemia	87	5.29 (4.12, 6.46)
Lymphoid	9	0.41 (0.10, 0.72)
Other	892	50.07 (46.45, 53.69)

*Female only (1 case of male breast cancer not included in calculations)

**Male only

Table 5 Neoplasm ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Lip, Oral & Pharynx	0	
Esophagus	0	
Stomach	NA	
Colorectal	9	0.54 (0.16, 0.92)
Liver	8	0.55 (0.17, 0.94)
Pancreas	NA	
Larynx	0	
Lung	NA	
Melanoma	NA	
Breast	8	0.97 (0.29, 1.65)
Cervical	0	
Uterine	NA	
Ovary	NA	
Prostate	5	0.54 (0.01, 1.06)
Kidney	NA	
Bladder	NA	
Brain	NA	
Hodgkin's	0	
Non-Hodgkin's	NA	
Multiple Myeloma	0	
Leukemia	12	0.62 (0.25, 0.99)
Lymphoid	NA	
Other	64	3.27 (2.37, 4.17)

Table 6 Neoplasm Hospitalizations, Both Genders

Health Condition	Count	Age Adjusted Rate
Lip, Oral & Pharynx	0	
Esophagus	0	
Stomach	NA	
Colorectal	14	0.67 (0.27, 1.06)
Liver	8	0.51 (0.15, 0.87)
Pancreas	NA	
Larynx	0	
Lung	NA	
Melanoma	NA	
Breast	NA	
Cervical	NA	
Uterine	NA	
Ovary	NA	
Prostate	5	0.44 (0, 0.94)
Kidney	5	0.25 (0.01, 0.49)
Bladder	0	
Brain	NA	
Hodgkin's	0	
Non-Hodgkin's	7	0.40 (0.07, 0.73)
Multiple Myeloma	0	
Leukemia	6	0.21 (0, 0.46)
Lymphoid	0	
Other	89	4.60 (3.52, 5.68)

Table 6A Neoplasm Hospitalization, by Gender

Cancer Type	Male Count	Male Rate	Female Count	Female Rate
Colorectal	7	0.76 (0.15, 1.37)	7	0.57 (0.07, 1.07)
Other	46	5.32 (3.63, 7.00)	43	3.90 (2.54, 5.26)

Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism

Chart 10 Diseases of the blood and blood forming organs ER Visits, Both Genders

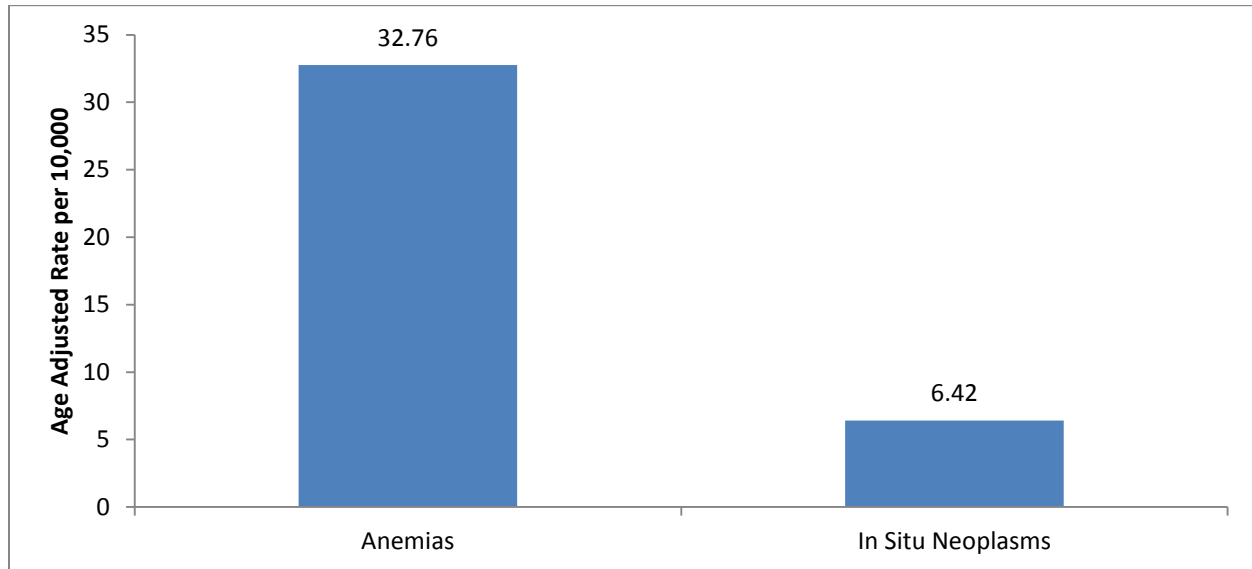


Chart 11 Diseases of the blood and blood forming organs Hospitalization, Both Genders

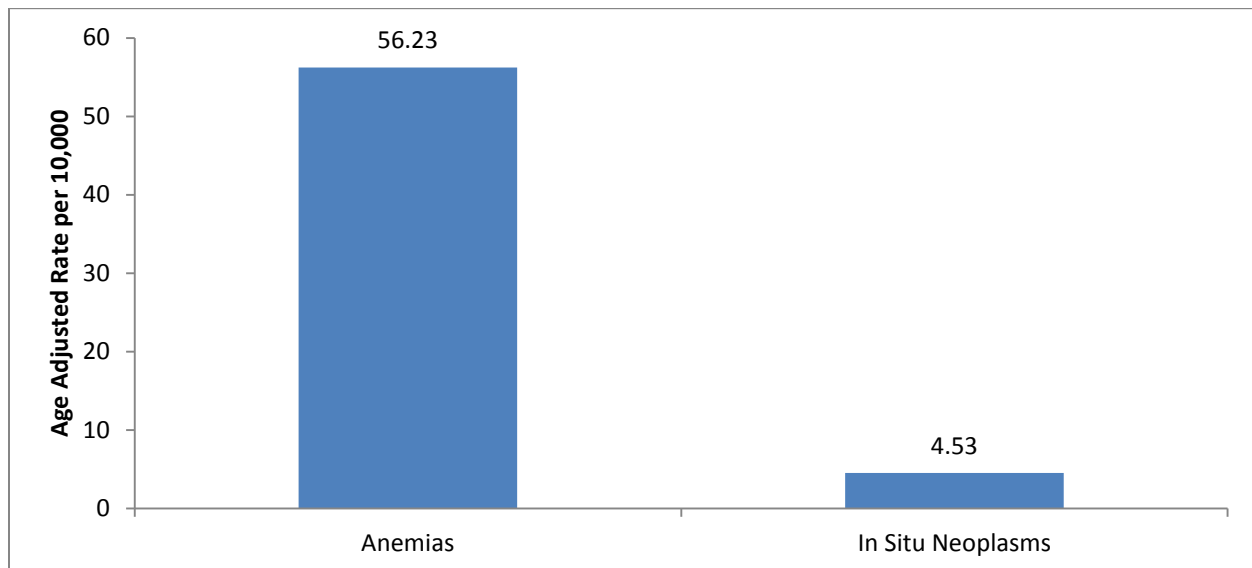


Chart 12 Diseases of the Blood & Blood Forming Organs Hospitalization, by Gender

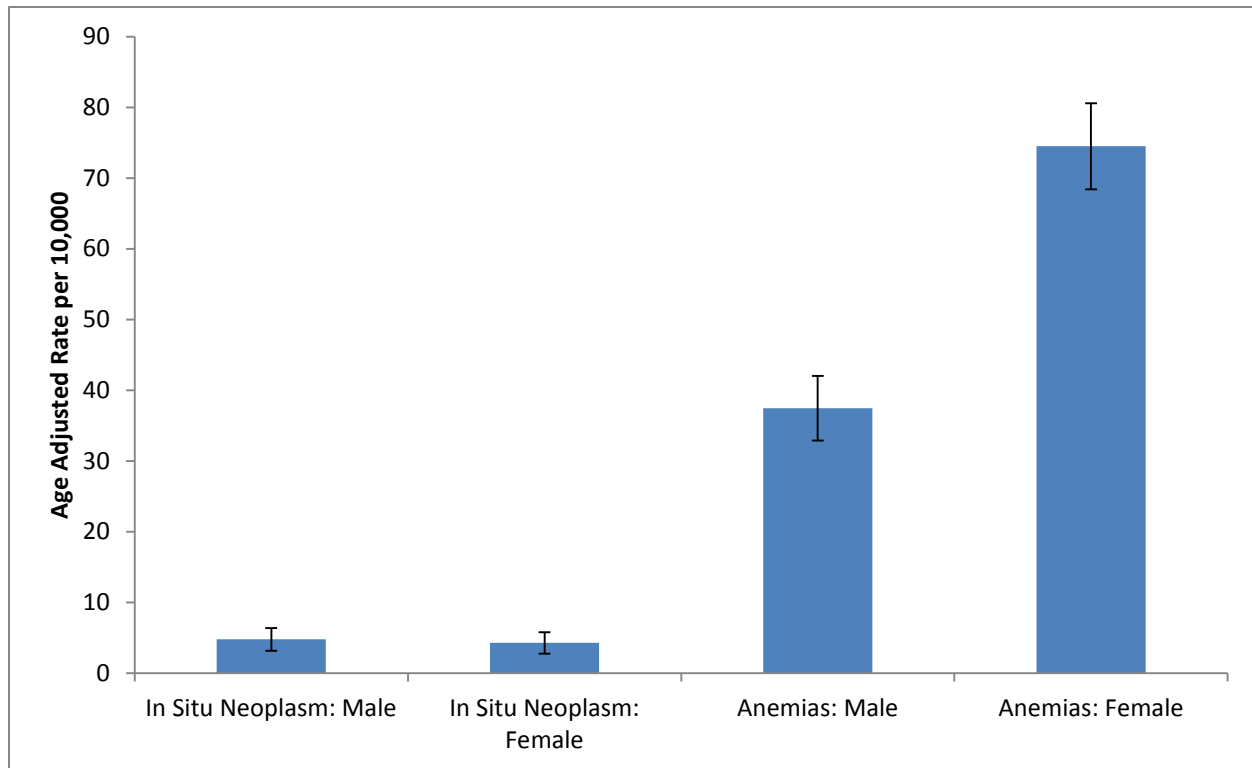


Table 7 Diseases of the blood and blood forming organs and certain disorders involving the immune system All Health Care Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
In Situ Neoplasms	5,350	321.7 (303.8, 321.6)
Anemias	8,057	417.3 (406.9, 427.8)

Table 8 Diseases of the blood and blood forming organs and certain disorders involving the immune system ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
In Situ Neoplasms	109	6.42 (5.11, 7.73)
Anemias	578	32.76 (29.81, 35.71)

Table 9 Diseases of the blood and blood forming organs and certain disorders involving the immune system Hospitalizations, Both Genders

Health Condition	Count	Age Adjusted Rate
In Situ Neoplasms	85	4.53 (3.42, 5.63)
Anemias	1,010	56.23 (52.42, 60.04)

Table 9a Diseases of the blood and blood forming organs and certain disorders involving the immune system Hospitalizations, Both Genders

Health Condition	Male Count	Male Rate	Female Count	Female Rate
In Situ Neoplasms	43	4.78 (3.17, 6.40)	42	4.28 (2.78, 5.78)
Anemias	315	37.46 (32.91, 42.01)	695	74.49 (68.41, 80.57)

Endocrine, nutritional and metabolic diseases

Chart 13 Endocrine, nutritional and metabolic diseases ER Visits, Both Genders

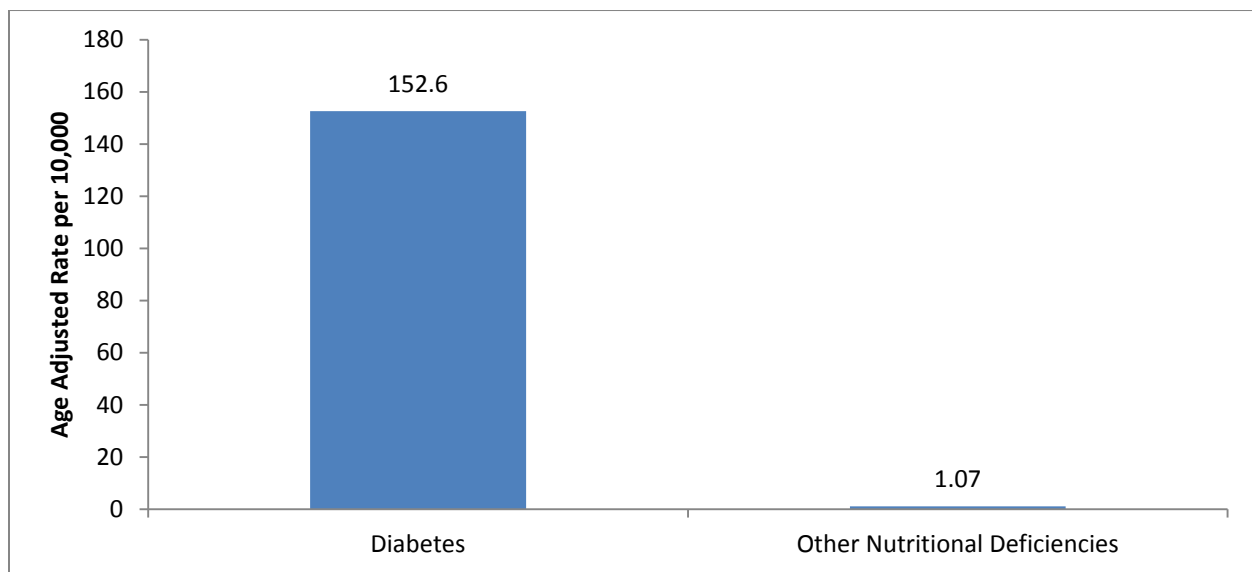


Chart 14 Endocrine, nutritional and metabolic diseases Hospitalization, Both Genders

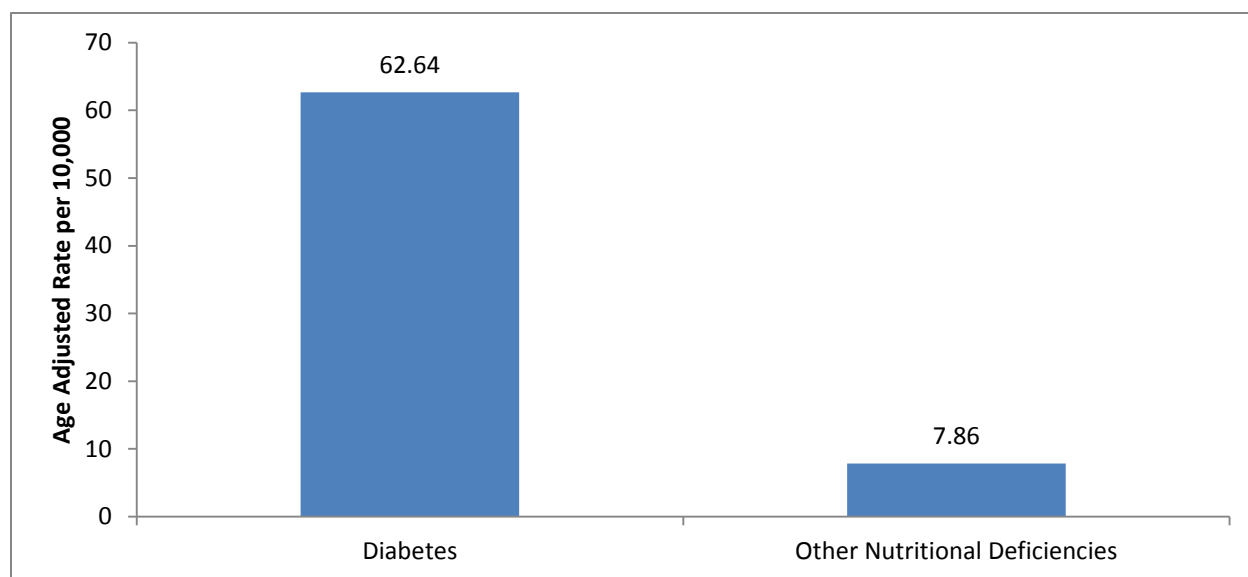


Chart 15 Endocrine, Nutritional & Metabolic Diseases Hospitalization, by Gender

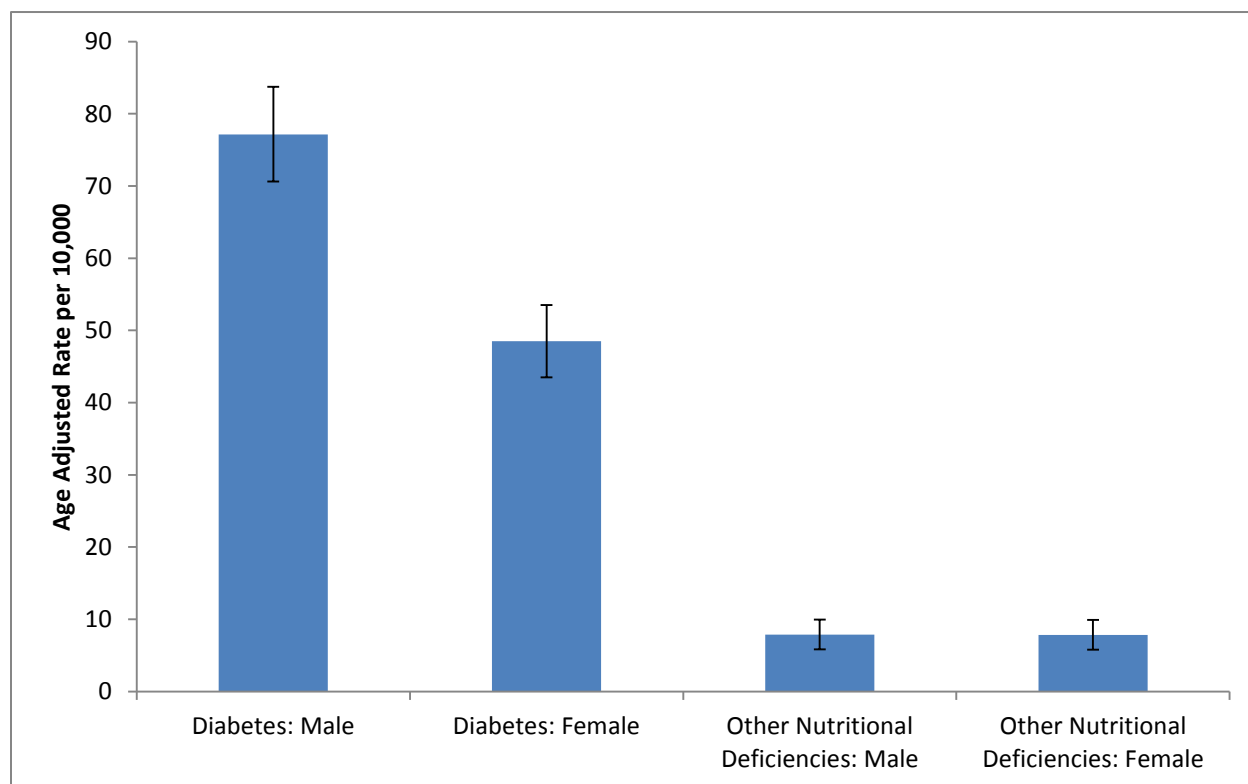


Table 10 Endocrine, nutritional and metabolic diseases All Health Care Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Diabetes	33,064	2044.2 (2021.0, 2067.3)
Malnutrition	0	
Other Nutritional Deficiencies	10,841	611.2 (598.7, 623.7)

Table 11 Endocrine, nutritional and metabolic diseases ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Diabetes	2,446	152.6 (146.3, 159.0)
Malnutrition	0	
Other Nutritional Deficiencies	23	1.07 (0.57, 1.57)

Table 12 Endocrine, nutritional and metabolic diseases Hospitalizations, Both Genders

Health Condition	Count	Age Adjusted Rate
Diabetes	1,039	62.64 (58.53, 66.75)
Malnutrition	0	
Other Nutritional Deficiencies	161	7.86 (6.41, 9.32)

Table 12a Endocrine, nutritional and metabolic diseases Hospitalizations, Both Genders

Health Condition	Male Count	Male Rate	Female Count	Female Rate
Diabetes	590	77.15 (70.60, 83.71)	449	48.52 (43.51, 53.52)
Other Nutritional Deficiencies	73	7.89 (5.83, 9.95)	88	7.84 (5.79, 9.89)

Mental and behavioral disorders

This block is not part of the NCHS 113 but is of interest to the Navajo Nation.

Chart 16 Mental & Behavioral Disorders ER Visits, Both Genders

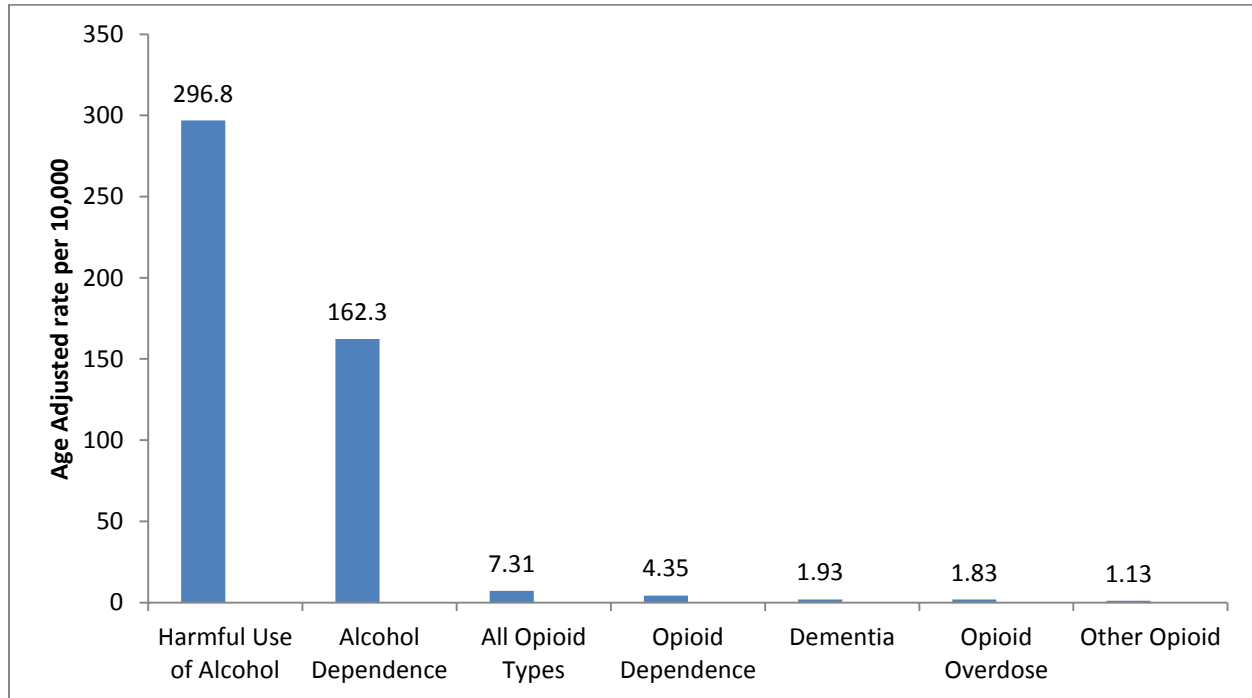


Chart 17 Mental & Behavioral Disorders Hospitalization, Both Genders

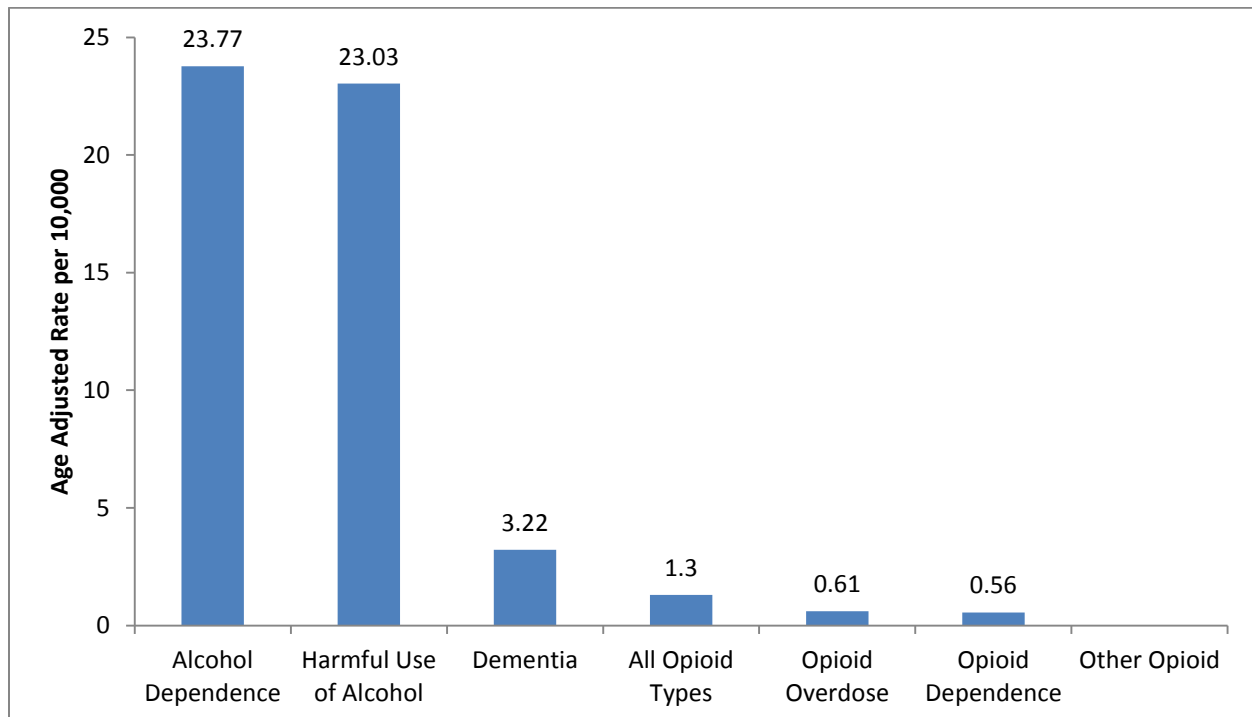


Chart 18 Mental & Behavioral Disorders Hospitalization, by Gender

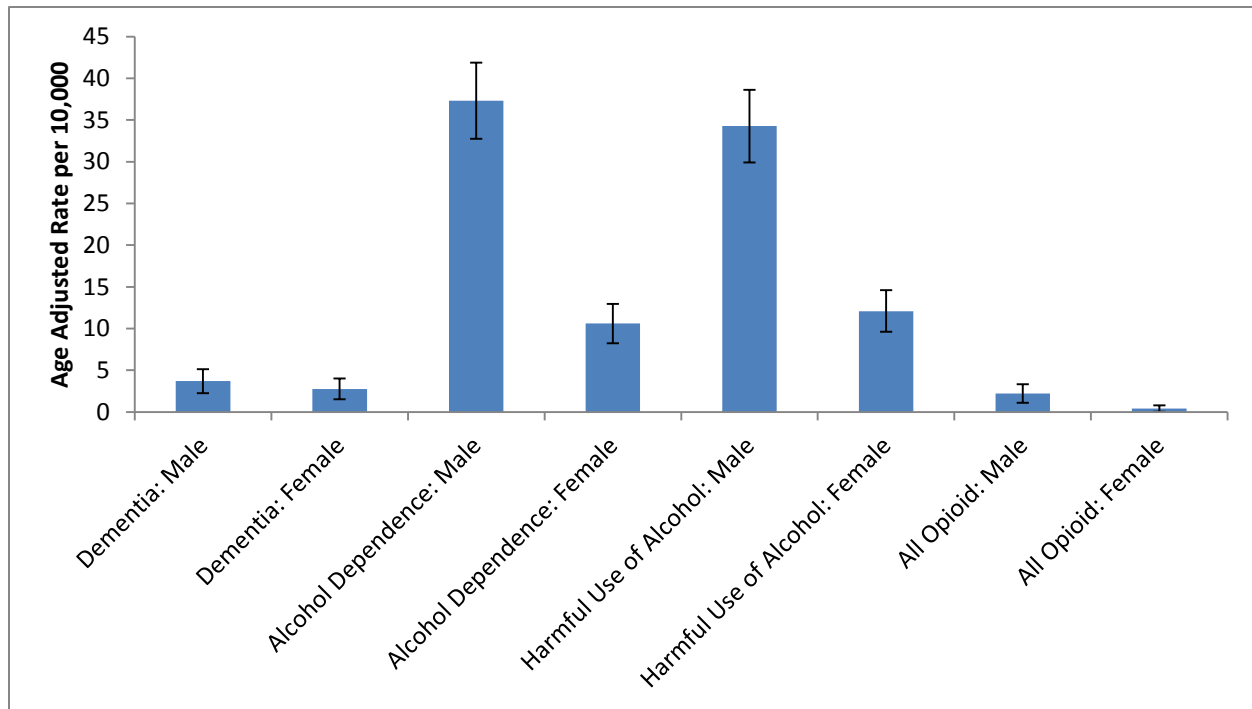


Table 13 Mental & Behavioral Disorders All Health Care Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Dementia	954	27.42 (24.65, 30.19)
Alcohol Dependence	5,245	358.5 (348.6, 368.3)
Harmful Use of Alcohol	8,582	567.7 (555.4, 580.0)
Opioid Overdose	89	6.00 (4.73, 7.26)
Opioid Dependence	205	13.77 (11.85, 15.69)
Other Opioid	53	3.60 (2.61, 4.59)
All Opioid Types	347	23.37 (20.86, 25.88)

Table 14 Mental & Behavioral Disorders ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Dementia	83	1.93 (1.19, 2.67)
Alcohol Dependence	2,378	162.3 (155.7, 169.0)
Harmful Use of Alcohol	4,509	296.8 (287.9, 305.7)
Opioid Overdose	28	1.83 (1.14, 2.53)
Opioid Dependence	64	4.35 (3.26, 5.43)
Other Opioid	17	1.13 (0.59, 1.68)
All Opioid Types	109	7.31 (5.92, 8.71)

Table 15 Mental & Behavioral Disorders Hospitalizations, Both Genders

Health Condition	Count	Age Adjusted Rate
Dementia	131	3.22 (2.28, 4.17)
Alcohol Dependence	345	23.77 (21.22, 26.32)
Harmful Use of Alcohol	342	23.03 (20.54, 25.52)
Opioid Overdose	9	0.61 (0.20, 1.02)
Opioid Dependence	9	0.56 (0.19, 0.93)
Other Opioid	NA	
All Opioid Types	20	1.30 (0.72, 1.88)

Table 15a Mental & Behavioral Disorders Hospitalizations, by Genders

Health Condition	Male Count	Male Rate	Female Count	Female Rate
Dementia	64	3.70 (2.27, 5.13)	67	2.76 (1.51, 4.01)
Alcohol Dependence	264	37.30 (32.73, 41.86)	81	10.61 (8.24, 12.97)
Harmful Use of Alcohol	247	34.27 (29.91, 38.63)	95	12.09 (9.60, 14.59)
Opioid Overdose	8	1.13 (0.34, 1.93)	NA	
Opioid Dependence	6	0.83 (0.16, 1.50)	NA	
All Opioid Types	16	2.23 (1.12, 3.33)	4	0.40 (0.01, 0.79)

Diseases of the nervous system

Chart 19 Diseases of the Nervous System ER Visits, Both Genders

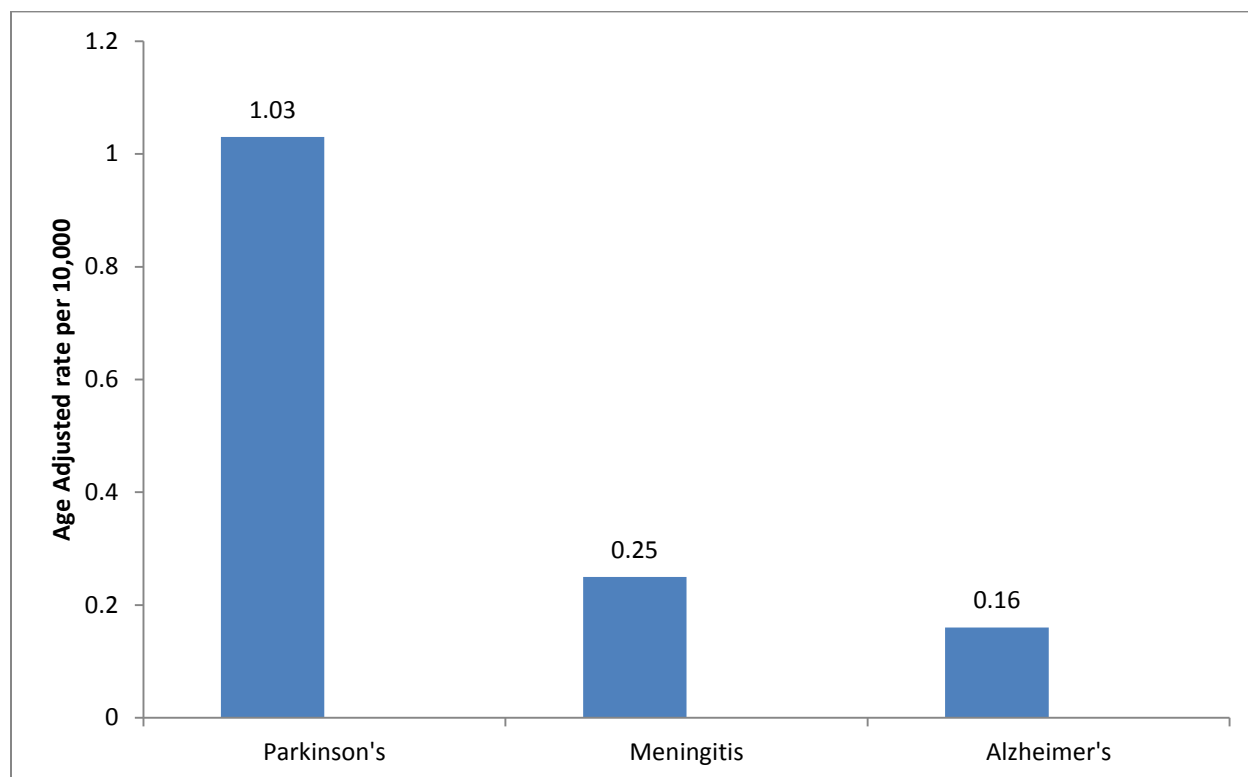


Chart 20 Diseases of the Nervous System Hospitalization, Both Genders

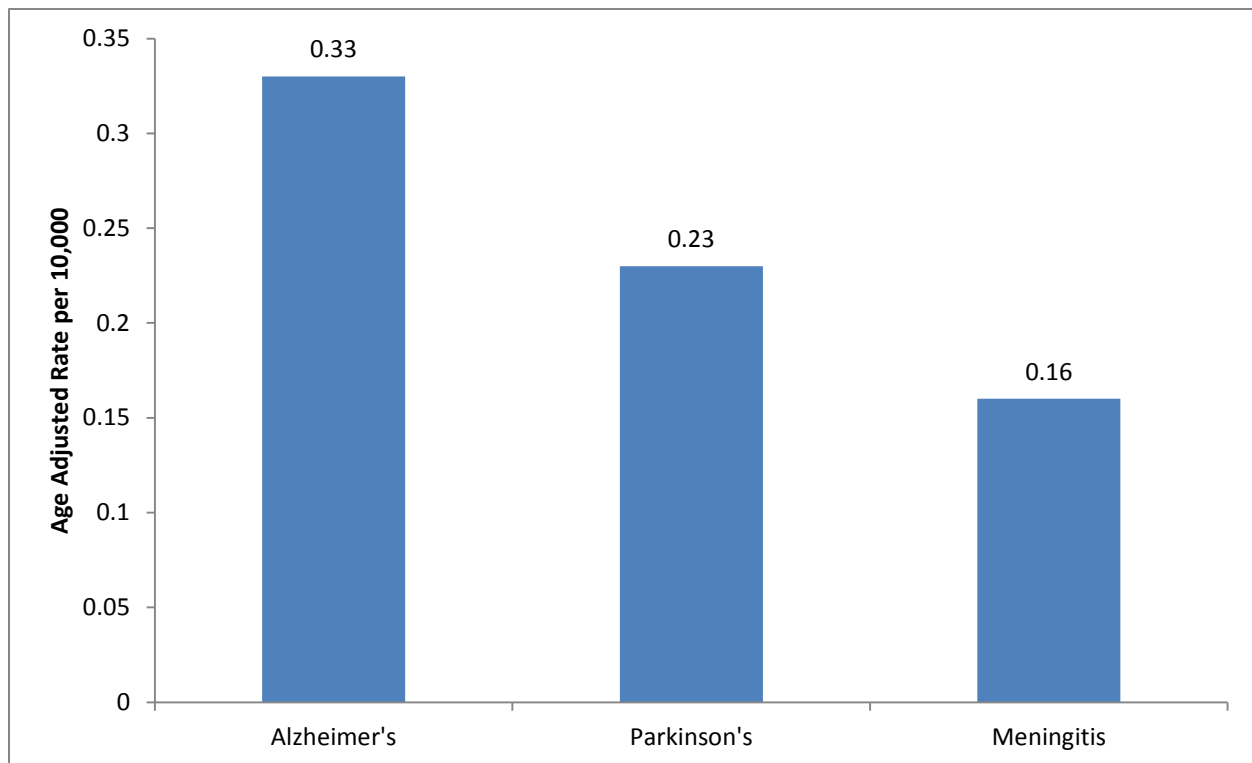


Table 16 Diseases of the Nervous System All Health Care Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Meningitis	43	1.95 (1.24, 2.66)
Parkinson's	215	10.03 (8.39, 11.67)
Alzheimer's	153	4.52 (3.39, 5.65)

Table 17 Diseases of the Nervous System ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Meningitis	5	0.25 (0, 0.51)
Parkinson's	20	1.03 (0.51, 1.55)
Alzheimer's	9	0.16 (0, 0.38)

Table 18 Diseases of the Nervous System Hospitalizations, Both Genders

Health Condition	Count	Age Adjusted Rate
Meningitis	6	0.16 (0, 0.34)
Parkinson's	9	0.23 (0, 0.48)
Alzheimer's	20	0.33 (0.02, 0.64)

Table 18a Diseases of the Nervous System Hospitalizations, By Genders

Health Condition	Male Count	Male Rate	Female Count	Female Rate
Alzheimer's	7	0.17 (0, 0.47)	13	0.49 (0, 1.02)

Diseases of the circulatory system

Chart 21 Diseases of the Circulatory System: Leading 10 causes of ER Visit, Both Genders

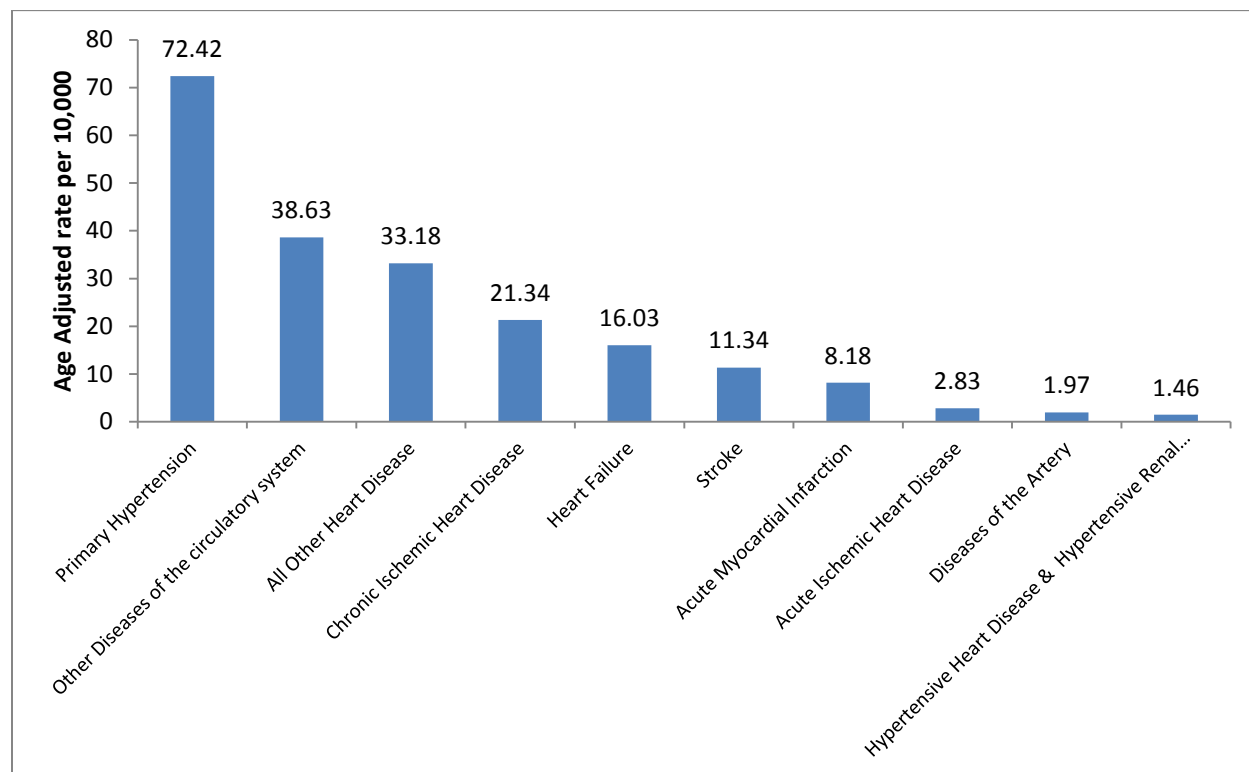


Chart 22 Diseases of the Circulatory System: Leading 10 causes of Hospitalization, Both Genders

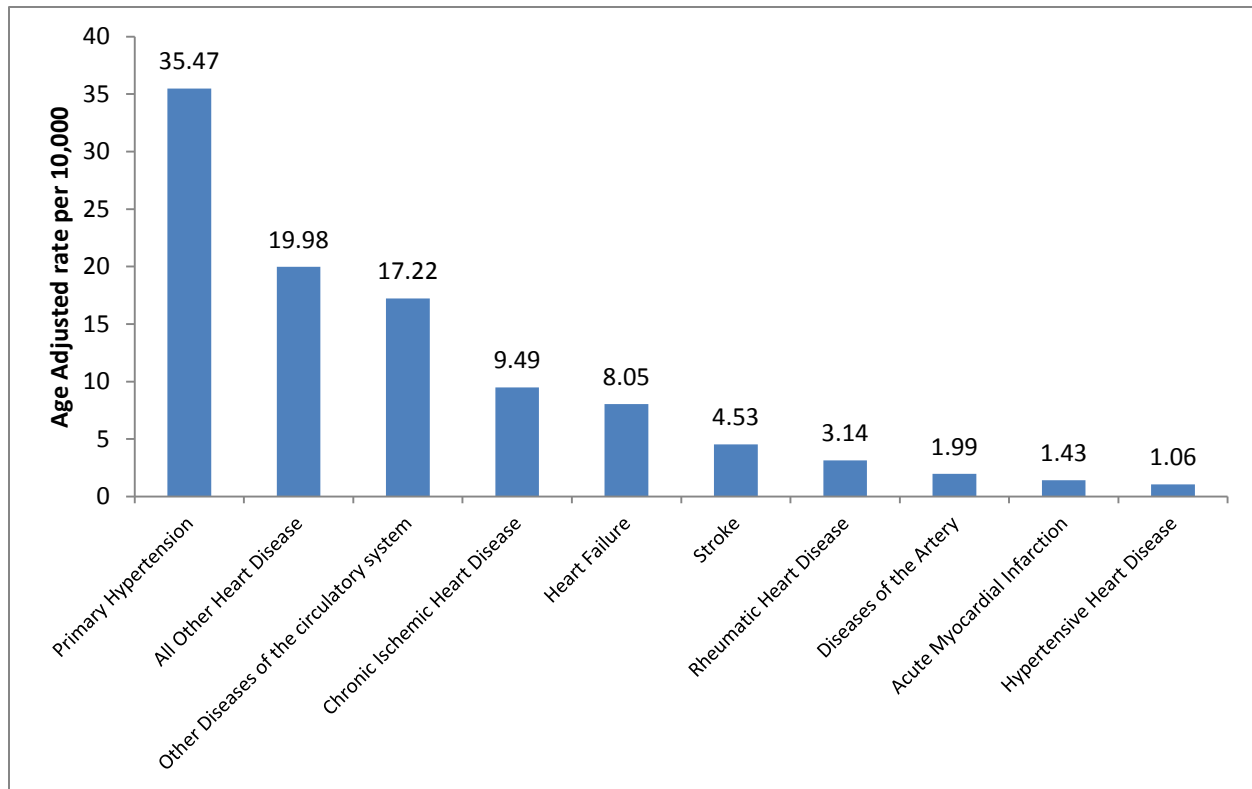


Chart 23 Diseases of the Circulatory System Hospitalization (1 of 3), by Gender

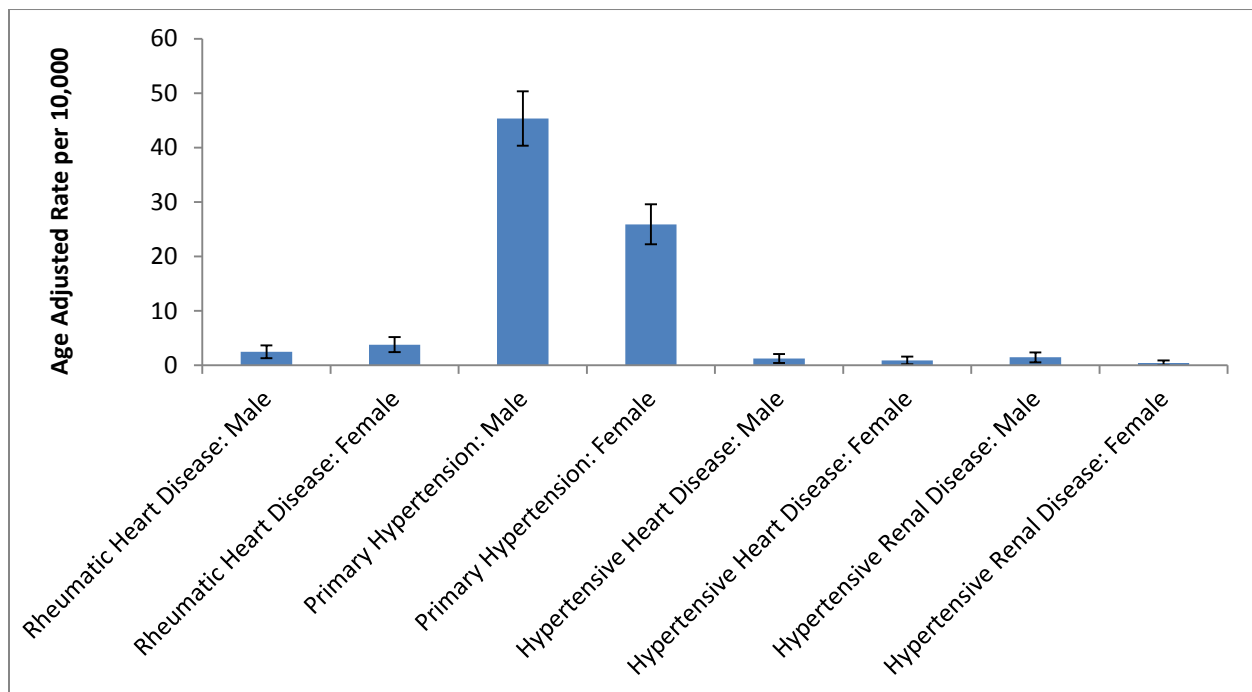


Chart 24 Diseases of the Circulatory System Hospitalization (2 of 3), by Gender

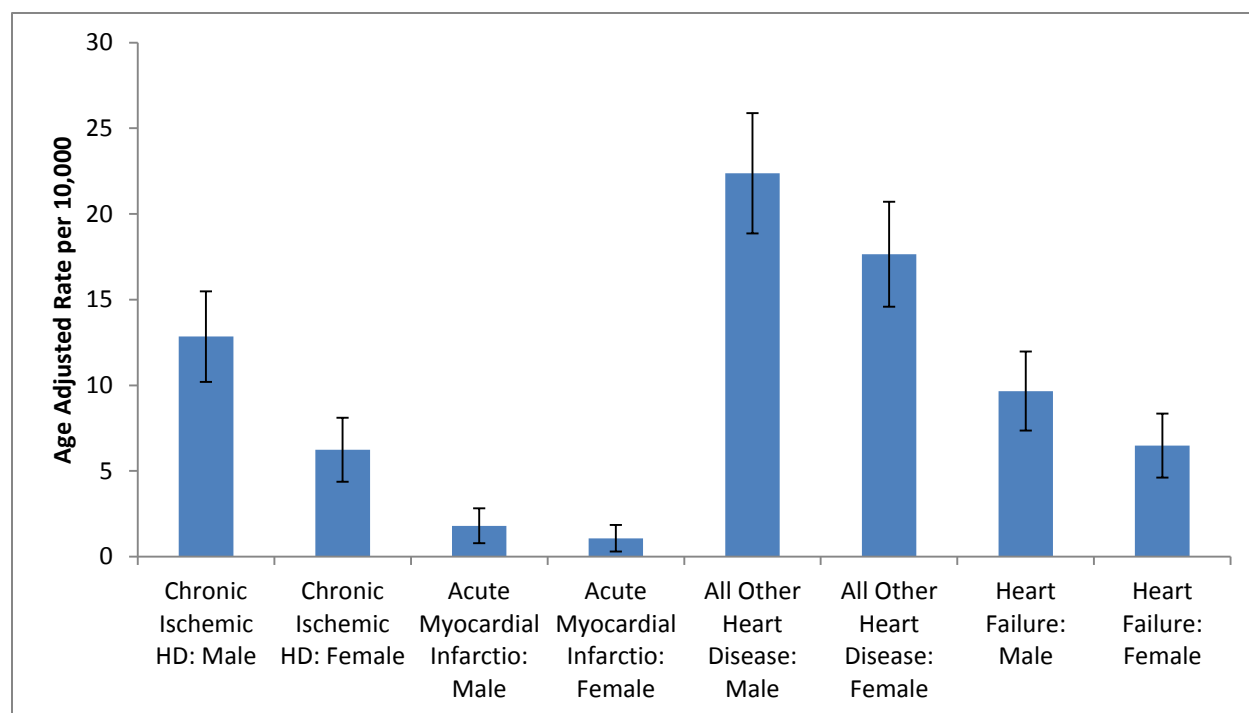


Chart 25 Diseases of the Circulatory System Hospitalization (3 of 3), by Gender

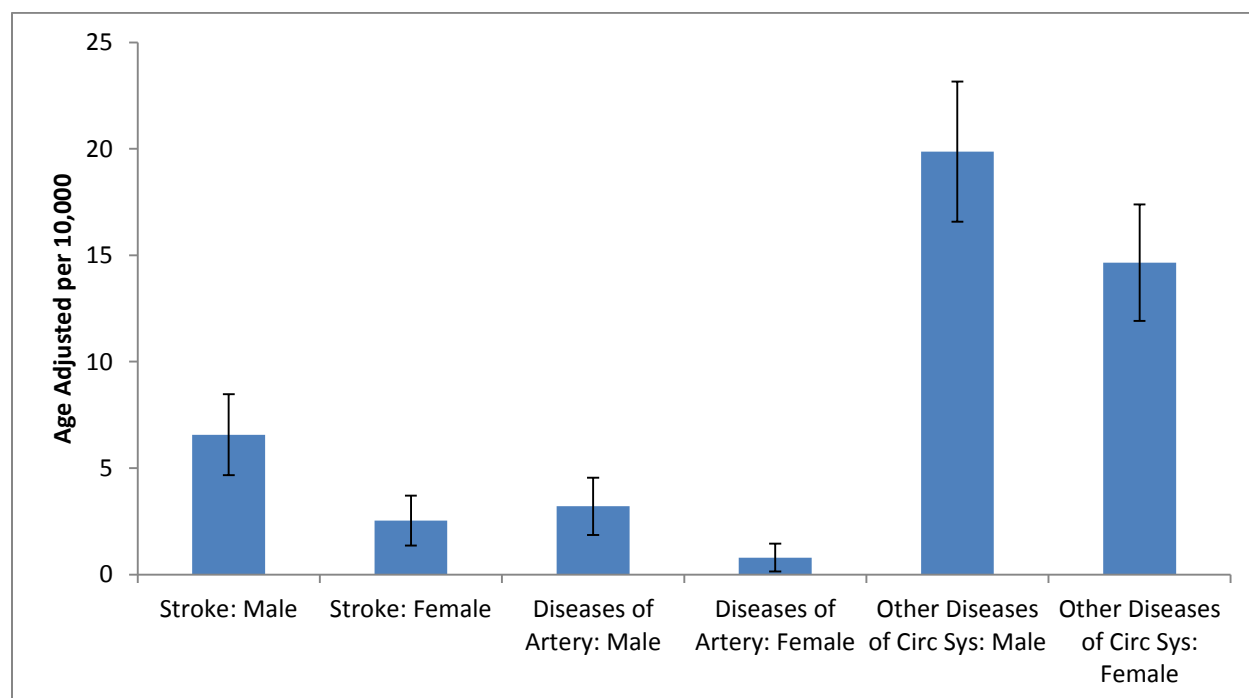


Table 19 Diseases of the Circulatory System All Health Care Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Rheumatic Heart Disease	311	18.36 (16.16, 20.56)
Primary Hypertension	18,815	1131.2 (1114.0, 1148.4)
Hypertensive Heart Disease	171	7.85 (6.40, 9.31)
Hypertensive Heart & Renal Disease	170	9.10 (7.55, 10.65)
Chronic Ischemic Heart Disease	3,152	172.5 (165.7, 179.3)
Acute Myocardial Infarction	555	29.78 (26.97, 32.60)
Acute Ischemic Heart Disease	139	7.39 (6.00, 8.78)
Atherosclerotic Cardiovascular Disease	0	
All Other Heart Disease	6,670	361.6 (351.8, 371.4)
Pericarditis & Acute Myocarditis	66	4.03 (3.00, 5.07)
Endocarditis	18	1.25 (0.67, 1.83)
Heart Failure	1,860	89.95 (85.02, 94.87)
Stroke	1,957	103.6 (98.33, 108.8)
Atherosclerosis	371	21.05 (18.67, 23.43)
Aortic Aneurysm	57	2.96 (2.06, 3.87)
Diseases of the Artery	911	48.73 (45.14, 52.32)
Other Diseases of the circulatory system	4,146	231.6 (223.9, 239.4)

Table 20 Diseases of the Circulatory System ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Rheumatic Heart Disease	9	0.43 (0.11, 0.76)
Primary Hypertension	1,191	72.42 (68.03, 76.81)
Hypertensive Heart Disease	6	0.36 (0.04, 0.68)
Hypertensive Heart & Renal Disease	26	1.46 (0.83, 2.09)
Chronic Ischemic Heart Disease	367	21.34 (18.94, 23.73)
Acute Myocardial Infarction	157	8.18 (6.71, 9.66)
Acute Ischemic Heart Disease	58	2.83 (1.99, 3.67)
Atherosclerotic Cardiovascular Disease	0	
All Other Heart Disease	629	33.18 (30.21, 36.15)
Pericarditis & Acute Myocarditis	12	0.71 (0.28, 1.14)
Endocarditis	NA	
Heart Failure	334	16.03 (13.95, 18.12)
Stroke	210	11.34 (9.60, 13.07)
Atherosclerosis	6	0.42 (0.08, 0.76)
Aortic Aneurysm	8	0.35 (0.04, 0.66)
Diseases of the Artery	37	1.97 (1.23, 2.70)
Other Diseases of the circulatory system	693	38.63 (35.44, 41.81)

Table 21 Diseases of the Circulatory System Hospitalizations, Both Genders

Health Condition	Count	Age Adjusted Rate
Rheumatic Heart Disease	57	3.14 (2.22, 4.06)
Primary Hypertension	636	35.47 (32.39, 38.56)
Hypertensive Heart Disease	29	1.06 (0.53, 1.60)
Hypertensive Heart & Renal Disease	19	0.94 (0.44, 1.43)
Chronic Ischemic Heart Disease	217	9.49 (7.88, 11.10)
Acute Myocardial Infarction	36	1.43 (0.79, 2.07)
Acute Ischemic Heart Disease	7	0.42 (0.08, 0.76)
Atherosclerotic Cardiovascular Disease	0	
All Other Heart Disease	423	19.98 (17.66, 22.31)
Pericarditis & Acute Myocarditis	5	0.28 (0.004, 0.56)
Endocarditis	8	0.57 (0.17, 0.97)
Heart Failure	196	8.05 (6.57, 9.53)
Stroke	109	4.53 (3.42, 5.54)
Atherosclerosis	8	0.46 (0.12, 0.81)
Aortic Aneurysm	0	
Diseases of the Artery	36	1.99 (1.25, 2.73)
Other Diseases of the circulatory system	321	17.22 (15.09, 19.35)

Table 21a Diseases of the Circulatory System Hospitalizations, By Gender

Health Condition	Male Count	Male Rate	Female Count	Female Rate
Rheumatic Heart Disease	21	2.47 (1.29, 3.65)	36	3.79 (2.40, 5.19)
Primary Hypertension	372	45.32 (40.34, 50.31)	264	25.89 (22.21, 29.58)
Hypertensive Heart Disease	15	1.24 (0.43, 2.05)	14	0.89 (0.18, 1.60)
Hypertensive Heart & Renal Disease	12	1.45 (0.55, 2.35)	7	0.43 (0.01, 0.86)
Chronic Ischemic Heart Disease	144	12.84 (10.20, 15.48)	73	6.23 (4.37, 8.10)
Acute Myocardial Infarction	19	1.80 (0.78, 2.82)	17	1.07 (0.29, 1.85)
All Other Heart Disease	221	22.38 (18.87, 25.89)	202	17.65 (14.59, 20.71)
Heart Failure	101	9.66 (7.36, 11.97)	95	6.48 (4.61, 8.35)
Stroke	68	6.57 (4.67, 8.47)	41	2.54 (1.37, 3.71)
Diseases of the Artery	29	3.21 (1.86, 4.55)	7	0.80 (0.15, 1.45)
Other Diseases of the circulatory system	174	19.87 (16.58, 23.16)	147	14.65 (11.92, 17.38)

Diseases of the respiratory system

Chart 26 Diseases of the Respiratory System: Leading 10 causes of ER Visits

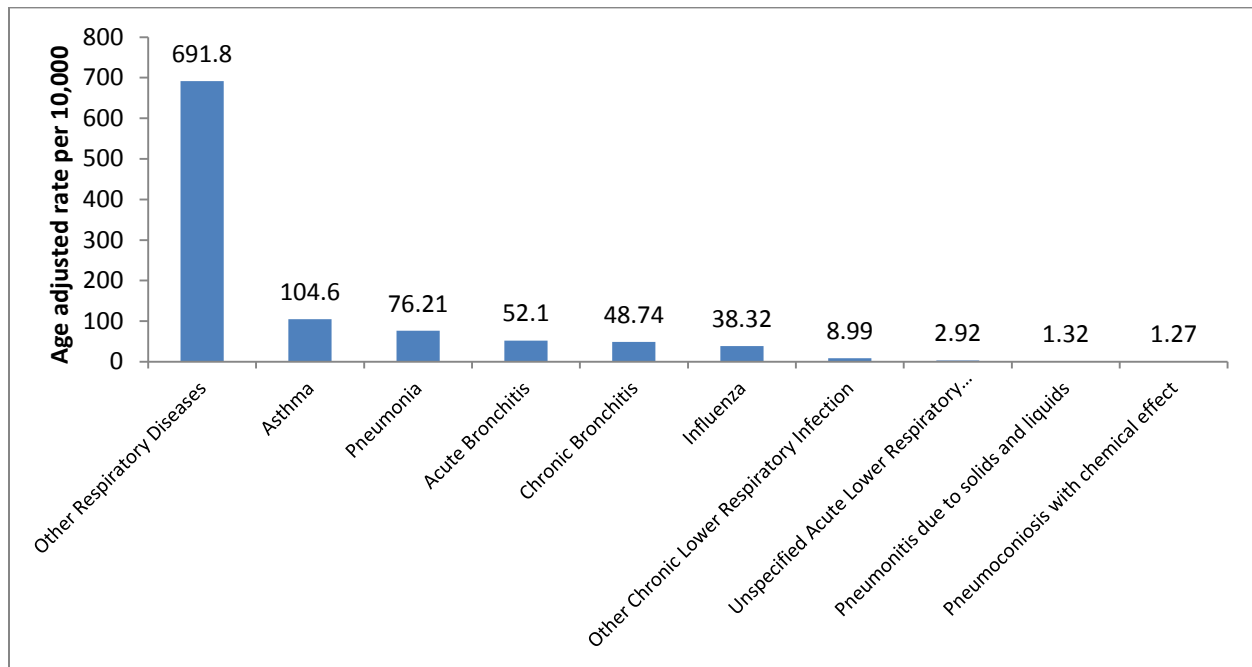


Chart 27 Diseases of the Respiratory System: Leading 10 causes of Hospitalization

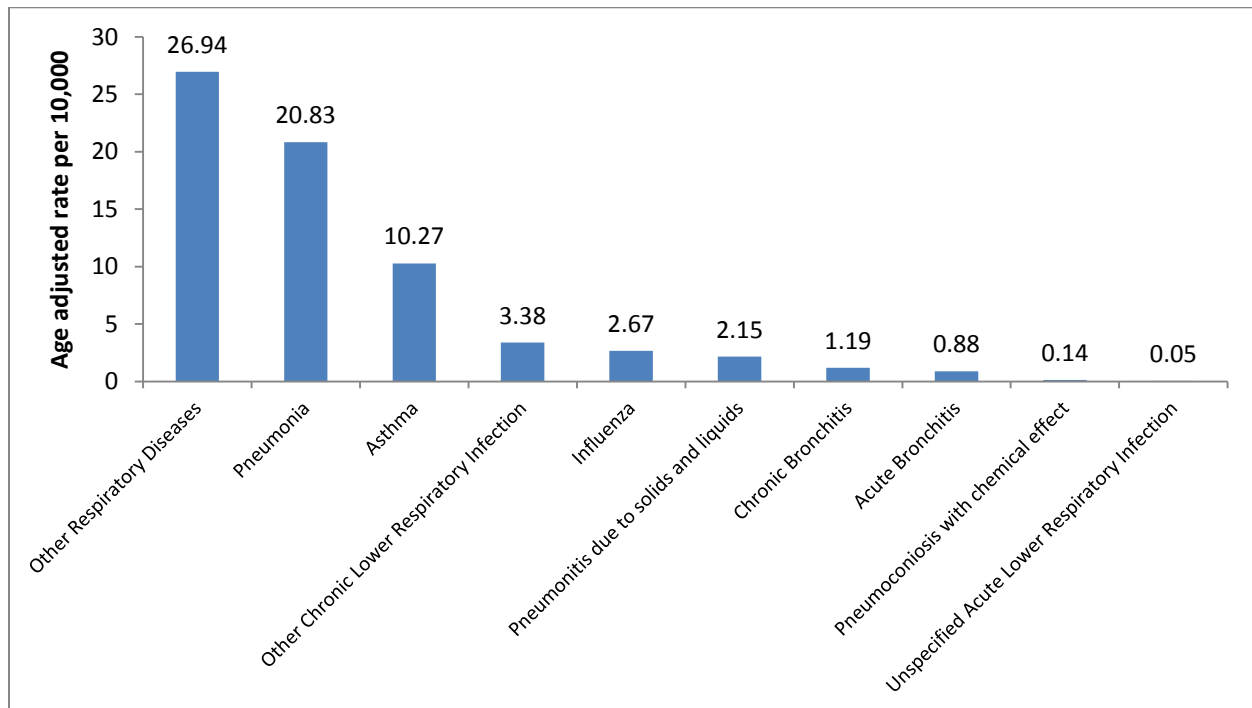


Chart 28 Respiratory Diseases Hospitalization (1 of 2), by Gender

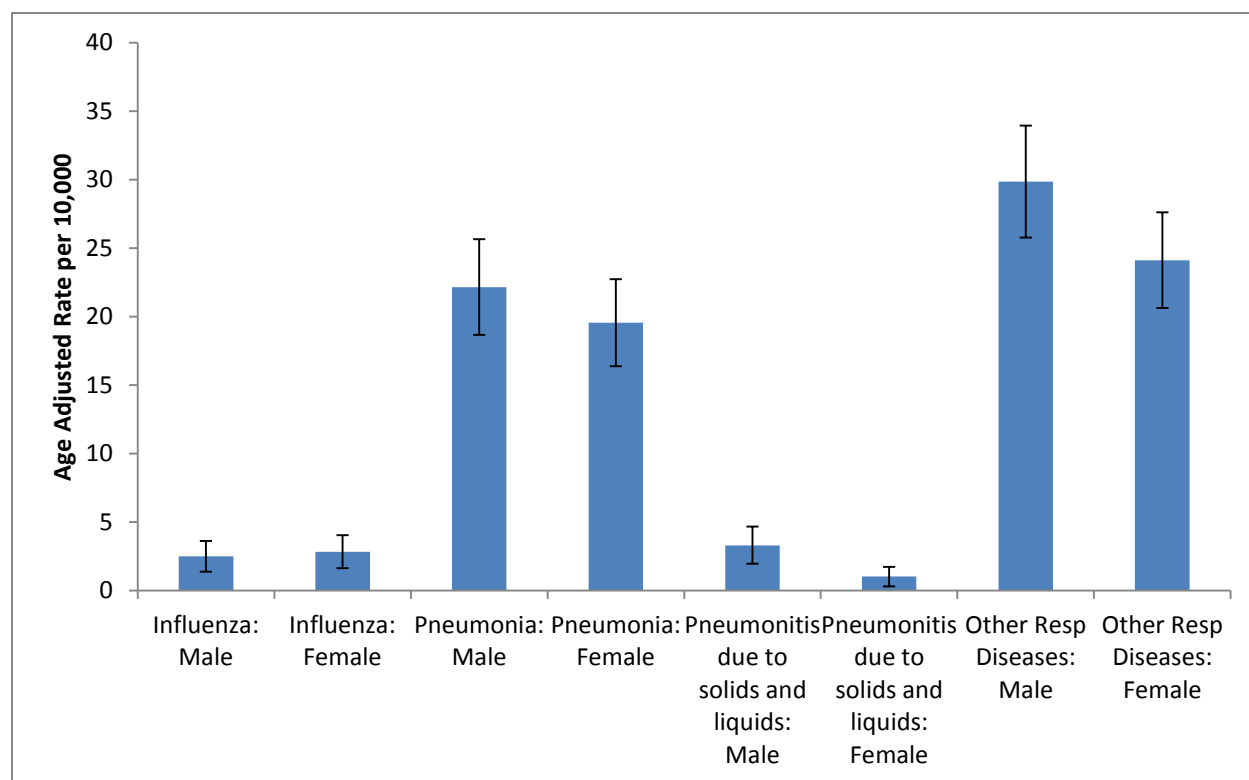


Chart 29 Respiratory Diseases Hospitalization (2 of 2), by Gender

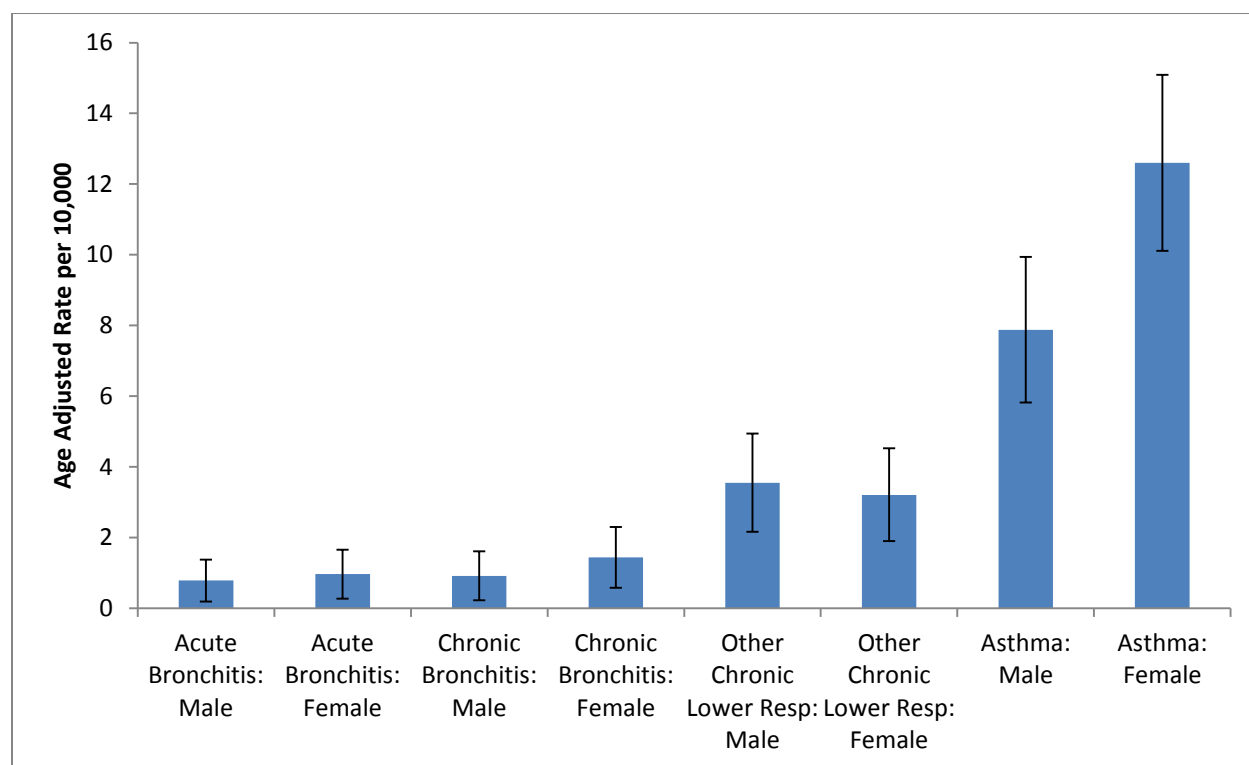


Table 22 Diseases of the Respiratory System All Health Care Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Other Respiratory Diseases	79,541	3716.2 (3686.0, 3746.5)
Influenza	2,225	101.8 (96.80, 106.9)
Pneumonia	5,293	221.8 (214.2, 229.4)
Acute Bronchitis	3,937	152.5 (146.3, 158.7)
Unspecified Acute Lower Respiratory Infection	391	16.59 (14.54, 18.64)
Chronic Bronchitis	4,022	227.7 (220.1, 235.4)
Emphysema	40	2.23 (1.46, 2.99)
Other Chronic Lower Respiratory Infection	1,006	45.45 (41.96, 48.94)
Asthma	12,206	604.4 (592.3, 616.6)
Pneumoconiosis with chemical effect	278	11.23 (9.51, 12.96)
Pneumonitis due to solids and liquids	148	6.68 (5.34, 8.02)

Table 23 Diseases of the Respiratory System ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Other Respiratory Diseases	14,924	691.8 (678.8, 704.9)
Influenza	764	38.32 (35.20, 41.45)
Pneumonia	1,771	76.21 (71.75, 80.66)
Acute Bronchitis	1,234	52.10 (48.46, 55.74)
Unspecified Acute Lower Respiratory Infection	61	2.92 (2.05, 3.78)
Chronic Bronchitis	887	48.74 (45.20, 52.28)
Emphysema	7	0.25 (0.004, 0.50)
Other Chronic Lower Respiratory Infection	203	8.99 (7.43, 10.54)
Asthma	2,097	104.6 (99.45, 109.7)
Pneumoconiosis with chemical effect	27	1.27 (0.70, 1.84)
Pneumonitis due to solids and liquids	23	1.32 (0.73, 1.91)

Table 24 Diseases of the Respiratory System Hospitalizations, Both Genders

Health Condition	Count	Age Adjusted Rate
Other Respiratory Diseases	580	26.94 (24.26, 29.63)
Influenza	76	2.67 (1.84, 3.49)
Pneumonia	552	20.83 (18.47, 23.19)
Acute Bronchitis	98	0.88 (0.42, 1.34)
Unspecified Acute Lower Respiratory Infection	5	0.05 (0, 0.15)
Chronic Bronchitis	24	1.19 (0.63, 1.74)
Emphysema	NA	
Other Chronic Lower Respiratory Infection	93	3.38 (2.43, 4.34)
Asthma	254	10.27 (8.65, 11.89)
Pneumoconiosis with chemical effect	5	0.14 (0, 0.33)
Pneumonitis due to solids and liquids	55	2.15 (1.39, 2.90)

Table 24a Diseases of the Respiratory System Hospitalizations, By Genders

Health Condition	Male Count	Male Rate	Female Count	Female Rate
Other Respiratory Diseases	292	29.86 (25.76, 33.95)	288	24.11 (20.62, 27.60)
Influenza	35	2.49 (1.37, 3.62)	41	2.83 (1.64, 4.03)
Pneumonia	265	22.15 (18.66, 25.64)	287	19.54 (16.36, 22.72)
Acute Bronchitis	46	0.79 (0.19, 1.38)	52	0.97 (0.27, 1.66)
Chronic Bronchitis	9	0.92 (0.23, 1.61)	15	1.44 (0.58, 2.30)
Other Chronic Lower Respiratory Infection	48	3.55 (2.17, 4.94)	45	3.21 (1.90, 4.53)
Asthma	100	7.88 (5.82, 9.94)	154	12.60 (10.11, 15.09)
Pneumonitis due to solids and liquids	38	3.30 (1.95, 4.66)	17	1.02 (0.31, 1.73)

Diseases of the digestive system

Chart 30 Diseases of the Digestive System ER Visits, Both Genders

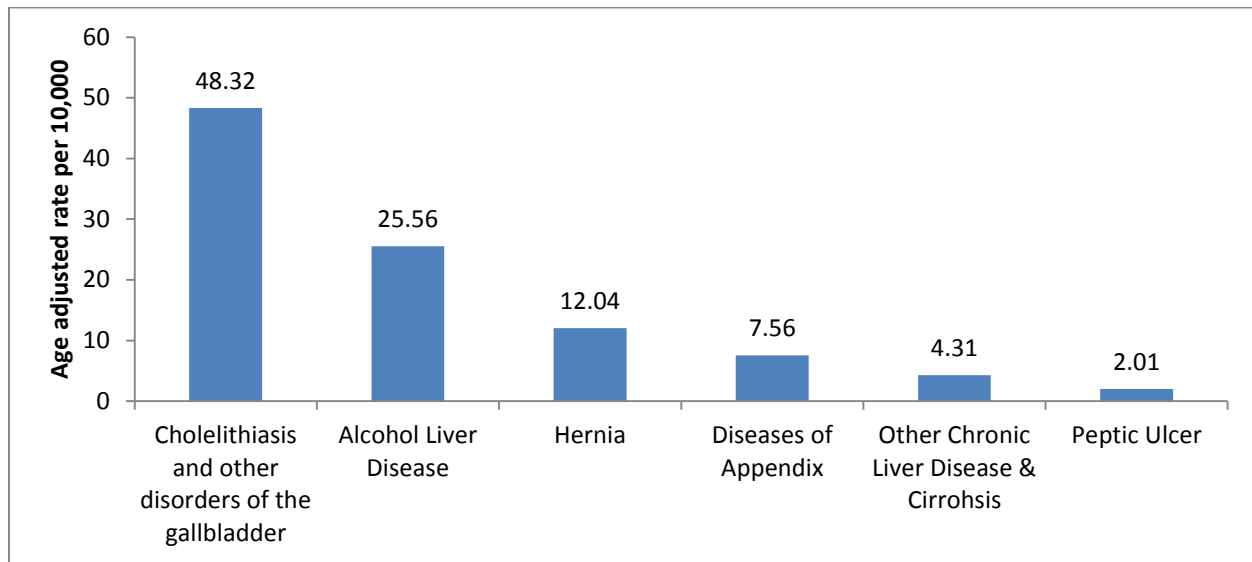


Chart 31 Diseases of the Digestive System Hospitalization, Both Genders

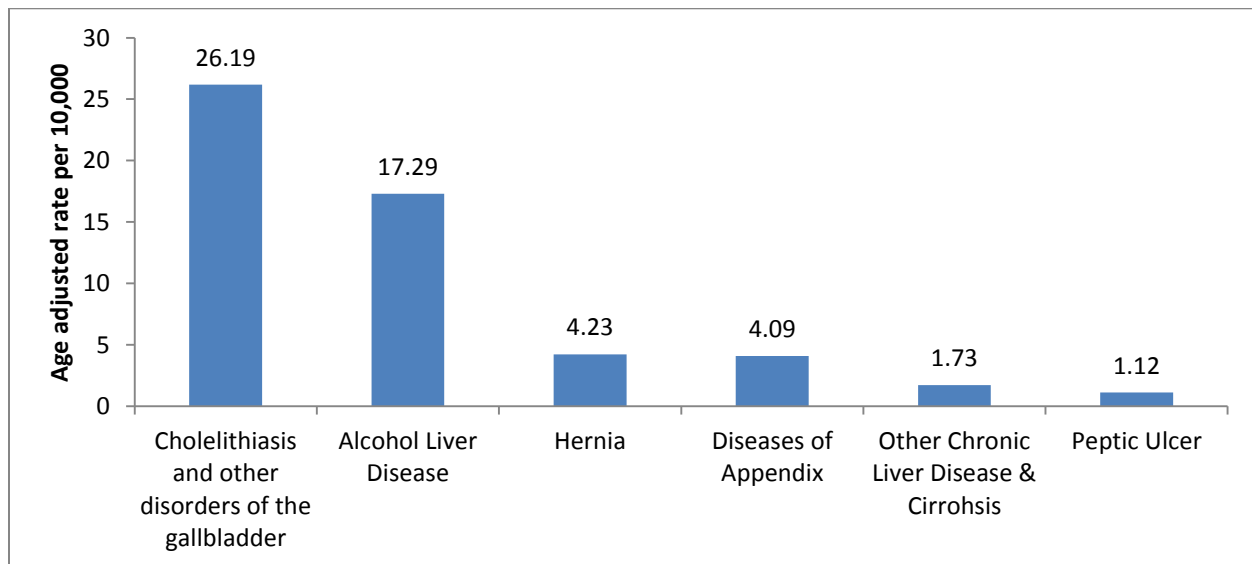


Chart 32 Diseases of the Digestive System Hospitalization, by Gender

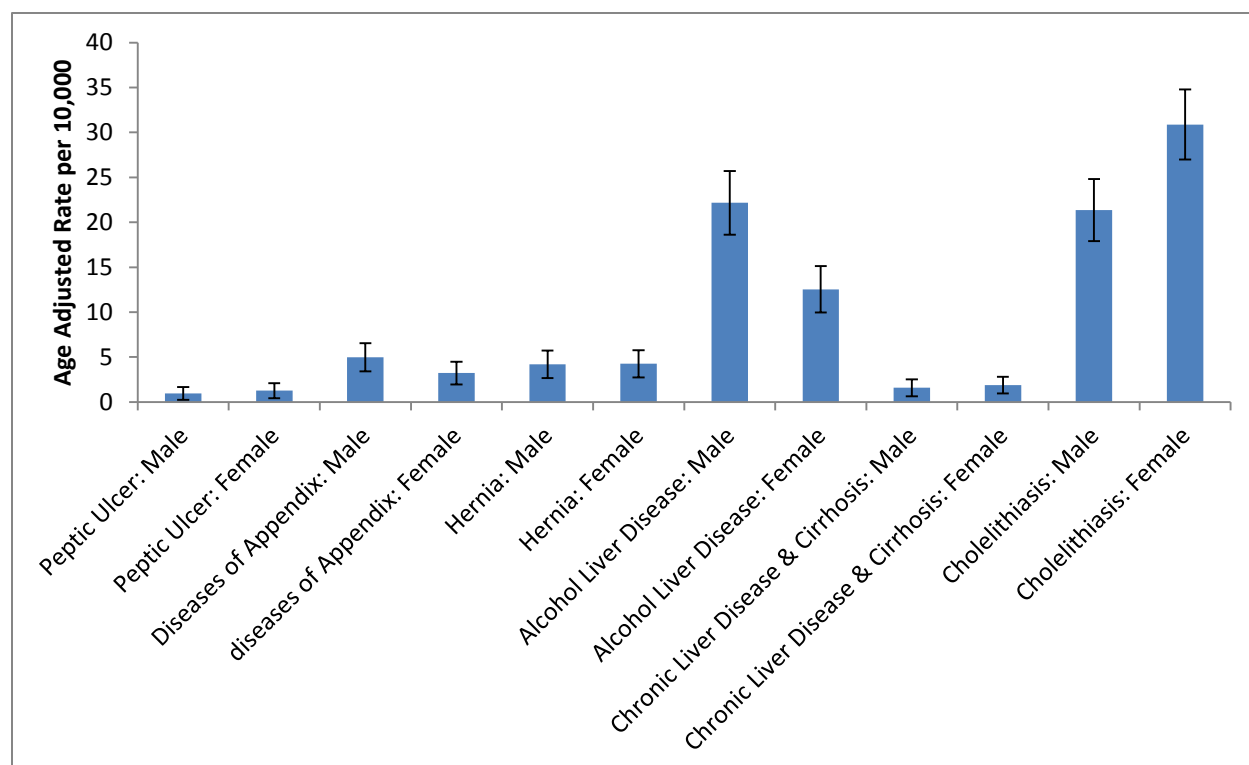


Table 25 Diseases of the Digestive System All Health Care Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Peptic Ulcer	294	17.93 (15.75, 20.12)
Diseases of Appendix	348	18.62 (16.49, 20.76)
Hernia	2,105	122.7 (117.0, 128.3)
Alcohol Liver Disease	1,148	78.90 (74.26, 83.53)
Other Chronic Liver Disease & Cirrhosis	498	31.73 (28.86, 34.60)
Cholelithiasis and other disorders of the gallbladder	3,484	210.3 (203.0, 217.6)

Table 26 Diseases of the Digestive System ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Peptic Ulcer	31	2.01 (1.27, 2.75)
Diseases of Appendix	141	7.56 (6.19, 8.93)
Hernia	212	12.04 (10.25, 13.83)
Alcohol Liver Disease	374	25.56 (22.92, 28.20)
Other Chronic Liver Disease & Cirrhosis	63	4.31 (3.22, 5.39)
Cholelithiasis and other disorders of the gallbladder	802	48.32 (44.81, 51.82)

Table 27 Diseases of the Digestive System Hospitalizations, Both Genders

Health Condition	Count	Age Adjusted Rate
Peptic Ulcer	19	1.12 (0.57, 1.67)
Diseases of Appendix	73	4.09 (3.09, 5.09)
Hernia	71	4.23 (3.15, 5.30)
Alcohol Liver Disease	249	17.29 (15.11, 19.47)
Other Chronic Liver Disease & Cirrhosis	29	1.73 (1.07, 2.40)
Cholelithiasis and other disorders of the gallbladder	424	26.19 (23.58, 28.79)

Table 27a Diseases of the Digestive System Hospitalizations, By Gender

Health Condition	Male Count	Male Rate	Female Count	Female Rate
Peptic Ulcer	8	0.96 (0.24, 1.68)	11	1.27 (0.43, 2.11)
Diseases of Appendix	45	4.99 (3.41, 6.56)	28	3.22 (1.97, 4.47)
Hernia	32	4.20 (2.68, 5.71)	39	4.25 (2.73, 5.77)
Alcohol Liver Disease	155	22.17 (18.63, 25.71)	94	12.54 (9.97, 15.12)
Other Chronic Liver Disease & Cirrhosis	13	1.60 (0.65, 2.54)	16	1.87 (0.94, 2.79)
Cholelithiasis and other disorders of the gallbladder	162	21.36 (17.92, 24.81)	262	30.88 (26.98, 34.77)

Diseases of the genitourinary system

Chart 33 Diseases of the Genitourinary System ER Visits, Both Genders

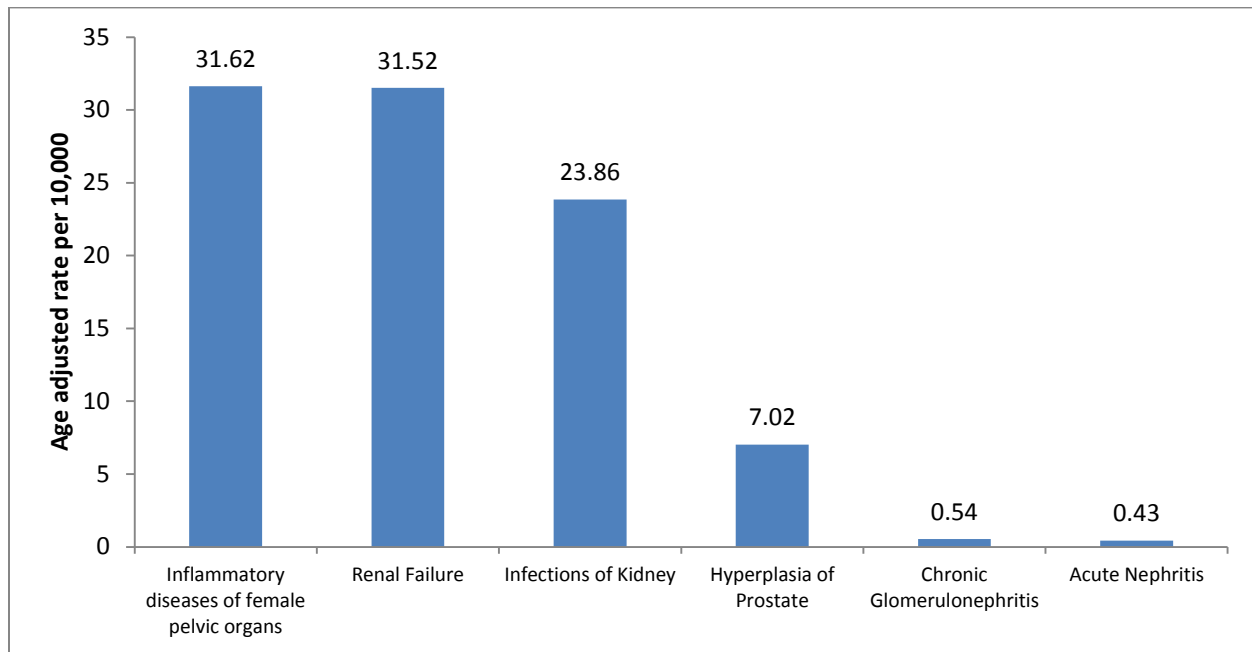


Chart 34 Diseases of the Genitourinary System Hospitalization, Both Genders

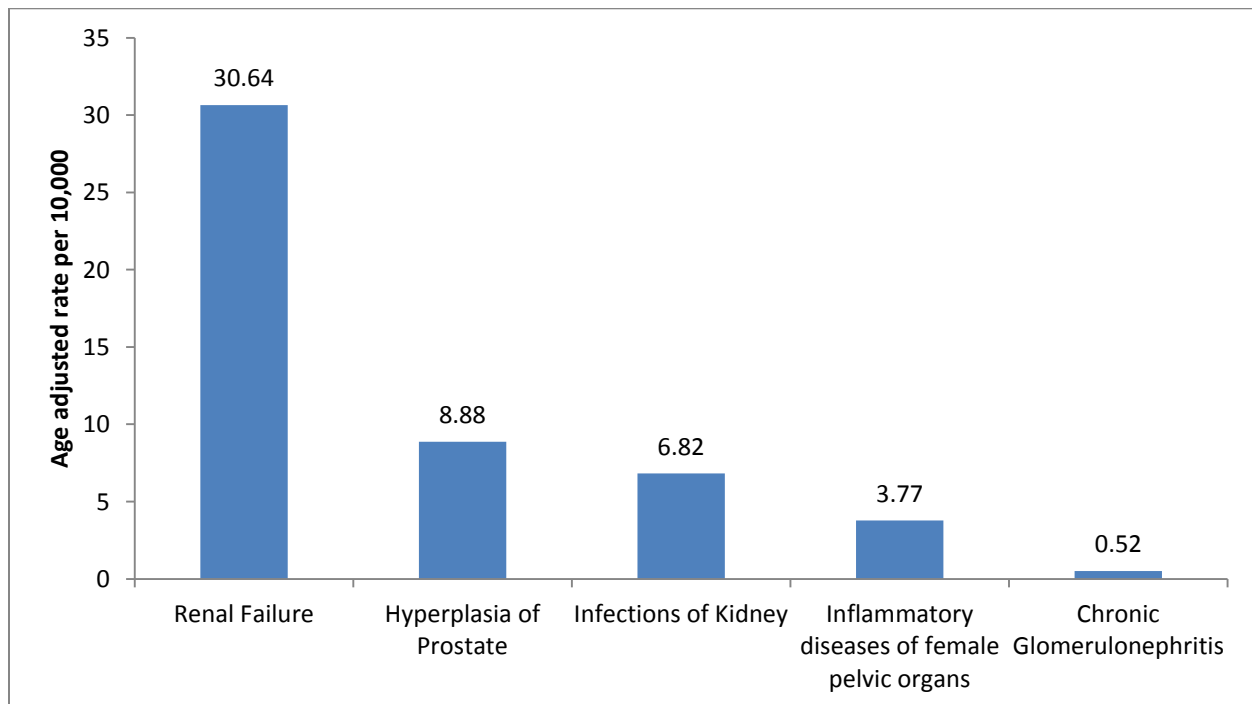


Chart 35 Diseases of the Genitourinary System Hospitalization, by Gender

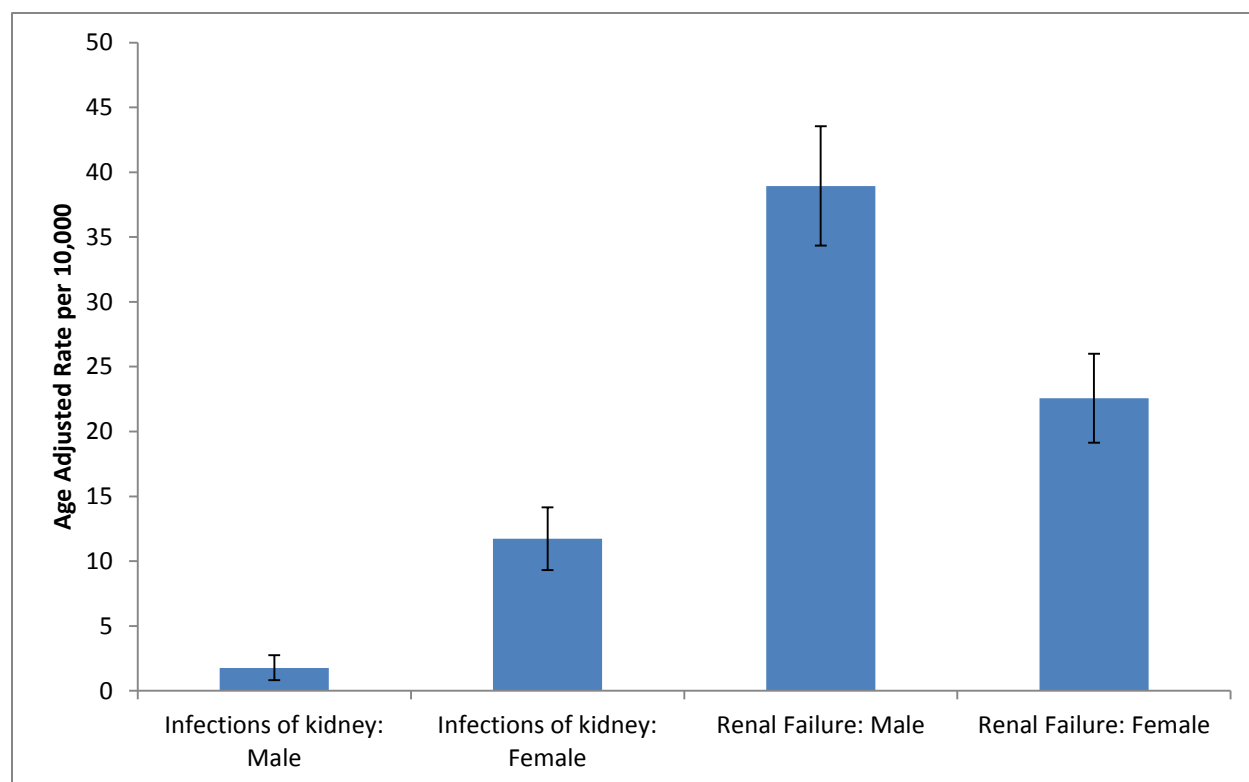


Table 28 Diseases of the Genitourinary System All Health Care Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Acute Nephritis	120	7.27 (5.89, 8.65)
Chronic Glomerulonephritis	222	13.77 (11.86, 15.68)
Infections of Kidney	1,060	61.23 (57.30, 65.16)
Renal Failure	5,035	279.9 (271.3, 288.5)
Other Disorders of Kidney	190	11.47 (9.73, 13.20)
Hyperplasia of Prostate	2,116	228.8 (217.7, 239.9)
Inflammatory diseases of female pelvic organs	3,130	378.6 (364.8, 392.4)

Table 29 Diseases of the Genitourinary System ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Acute Nephritis	6	0.43 (0.08, 0.77)
Chronic Glomerulonephritis	12	0.54 (0.16, 0.92)
Infections of Kidney	408	23.86 (21.40, 26.31)
Renal Failure	563	31.52 (28.62, 34.41)
Other Disorders of Kidney	NA	
Hyperplasia of Prostate	72	7.02 (5.05, 8.98)
Inflammatory diseases of female pelvic organs	274	31.62 (27.66, 35.59)

Table 30 Diseases of the Genitourinary System Hospitalizations, Both Genders

Health Condition	Count	Age Adjusted Rate
Acute Nephritis	NA	
Chronic Glomerulonephritis	9	0.52 (0.16, 0.89)
Infections of Kidney	124	6.82 (5.51, 8.14)
Renal Failure	573	30.64 (27.78, 33.50)
Other Disorders of Kidney	NA	
Hyperplasia of Prostate	121	8.88 (6.68, 11.07)
Inflammatory diseases of female pelvic organs	29	3.77 (2.33, 5.21)

Table 30a Diseases of the Genitourinary System Hospitalizations, By Gender

Health Condition	Male Count	Male Rate	Female Count	Female Rate
Infections of Kidney	19	1.77 (0.81, 2.74)	105	11.74 (9.32, 14.16)
Renal Failure	333	38.94 (34.33, 43.55)	240	22.57 (19.13, 26.00)
Hyperplasia of Prostate	121	8.88 (6.68, 11.07)	NA	
Inflammatory diseases of female pelvic organs	NA		29	3.77 (2.33, 5.21)

Pregnancy, childbirth and the puerperium

Chart 36 Pregnancy, childbirth and the puerperium ER Visits

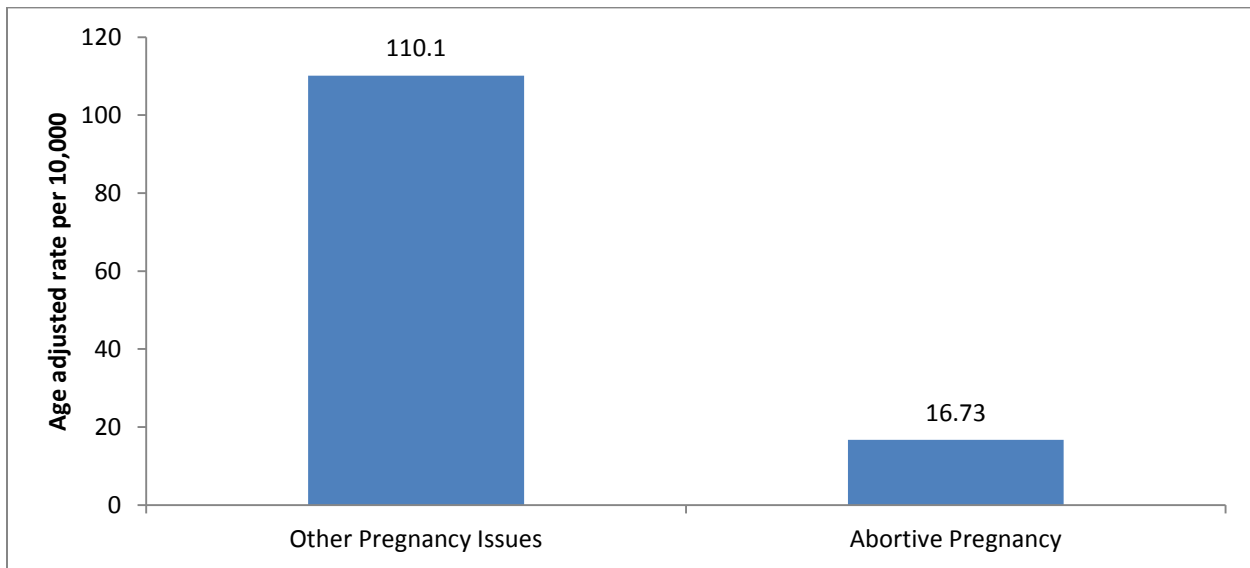
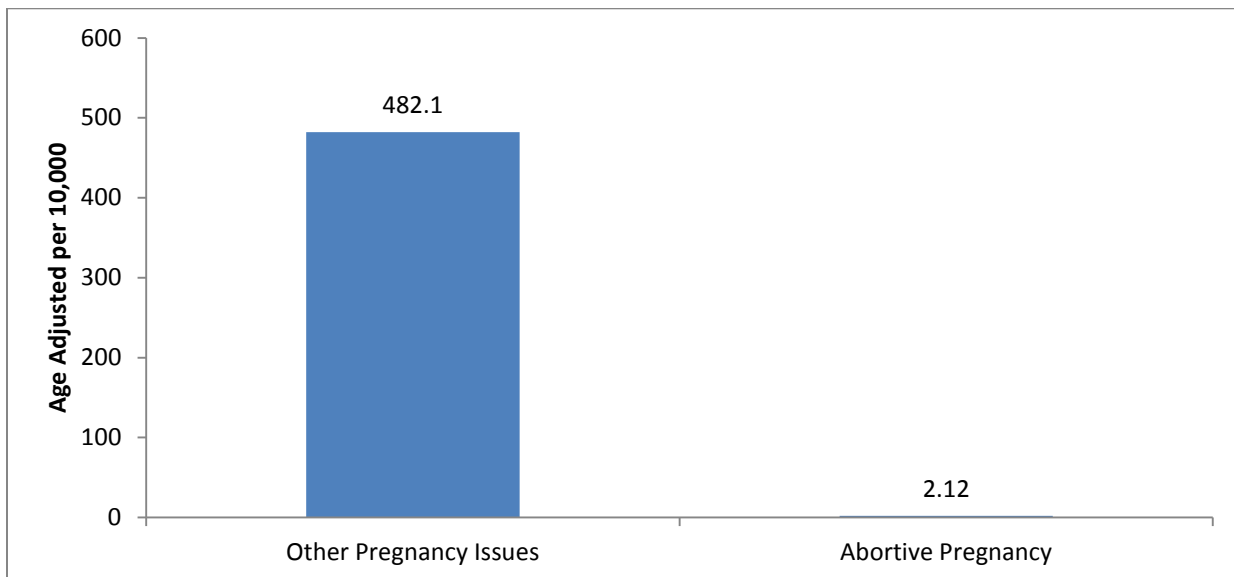


Chart 37 Pregnancy, childbirth and the puerperium Hospitalizations



The denominator for other pregnancy issues includes women up to age 69, and the denominator for abortive pregnancy is women ages 0-59. These age groups were used to best match denominators used by the State comparisons.

Table 31 Pregnancy, childbirth and the puerperium All Health Care Visits

Health Condition	Count	Age Adjusted Rate
Abortive Pregnancy	599	92.14 (84.60, 99.69)
Other Pregnancy Issues	18,259	2409.7 (2373.8, 2445.5)

Table 32 Pregnancy, childbirth and the puerperium ER Visits

Health Condition	Count	Age Adjusted Rate
Abortive Pregnancy	113	16.73 (13.57, 19.89)
Other Pregnancy Issues	875	110.1 (102.6, 117.6)

Table 33 Pregnancy, childbirth and the puerperium Hospitalizations

Health Condition	Count	Age Adjusted Rate
Abortive Pregnancy	14	2.12 (0.98, 3.26)
Other Pregnancy Issues	3,741	482.1 (466.3, 498.0)

Congenital malformations, deformations and chromosomal abnormalities

Chart 38 Congenital malformations, deformations and chromosomal abnormalities ER Visits, Both Genders

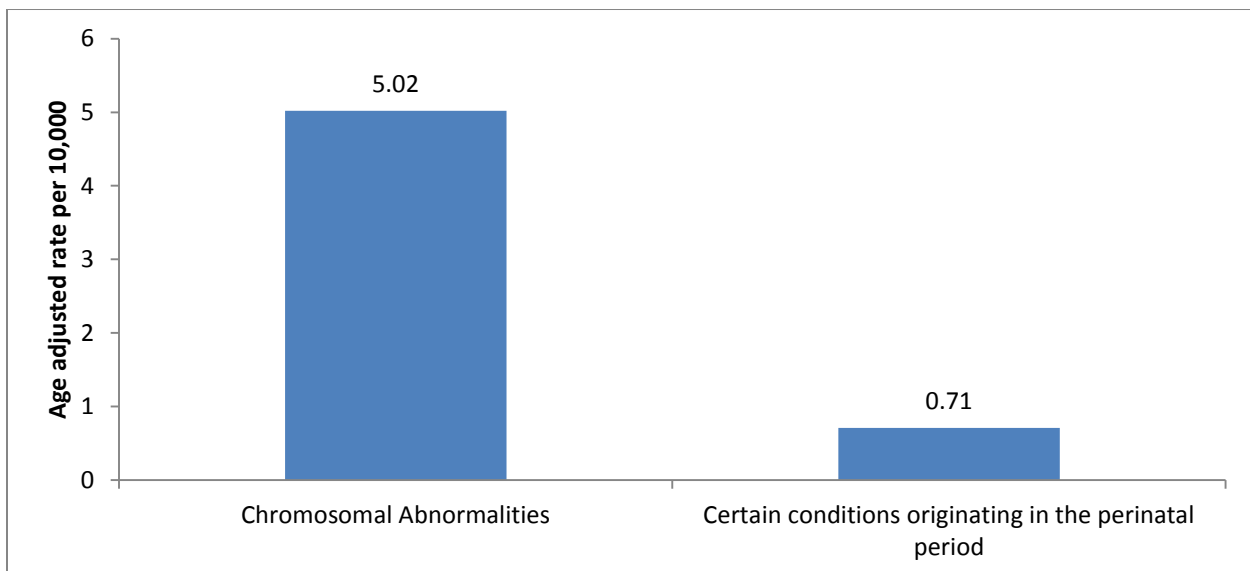


Chart 39 Congenital malformations, deformations and chromosomal abnormalities
Hospitalizations, Both Genders

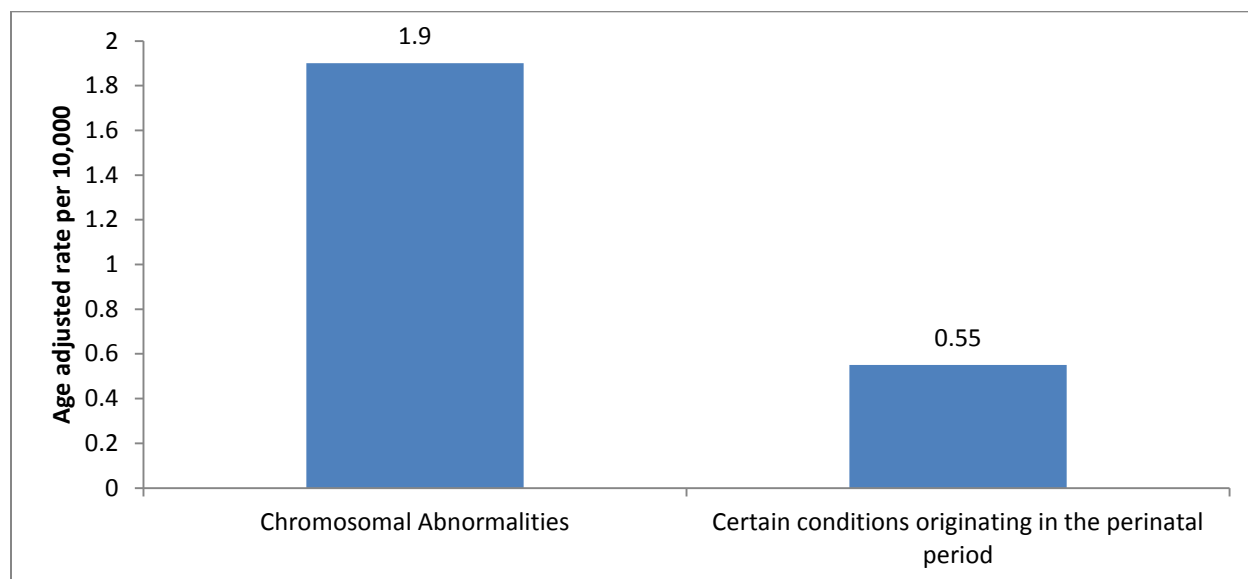


Chart 40 Congenital malformations, deformations & chromosomal abnormalities
Hospitalizations, by Gender

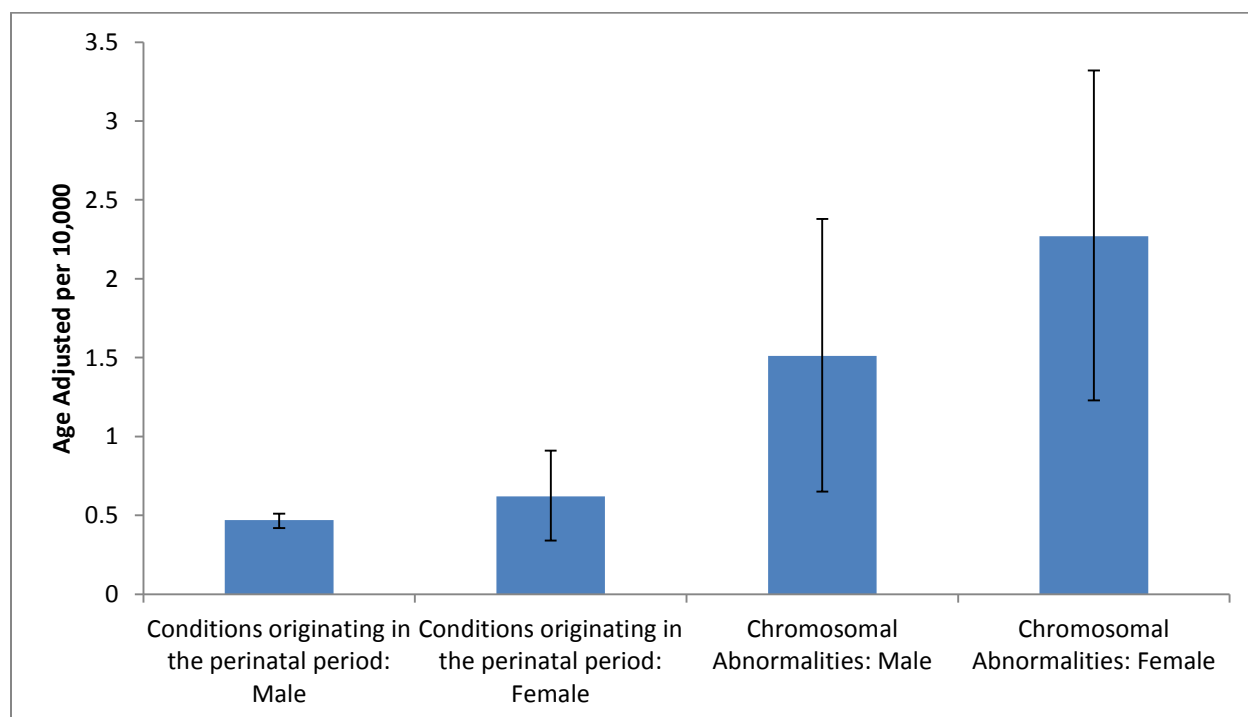


Table 34 Congenital malformations, deformations and chromosomal abnormalities All Health Care Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Certain conditions originating in the perinatal period	2,151	3.91 (3.07, 4.75)
Chromosomal Abnormalities	3,240	119.7 (114.3, 125.0)

Table 35 Congenital malformations, deformations and chromosomal abnormalities ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Certain conditions originating in the perinatal period	91	0.71 (0.29, 1.13)
Chromosomal Abnormalities	106	5.02 (3.89, 6.15)

Table 36 Congenital malformations, deformations and chromosomal abnormalities Hospitalizations, Both Genders

Health Condition	Count	Age Adjusted Rate
Certain conditions originating in the perinatal period	932	0.55 (0.40, 0.69)
Chromosomal Abnormalities	167	1.90 (1.22, 2.58)

Table 36a Congenital malformations, deformations and chromosomal abnormalities Hospitalizations, by Genders

Health Condition	Male Count	Male Rate	Female Count	Female Rate
Certain conditions originating in the perinatal period	470	0.47 (0.42, 0.51)	462	0.62 (0.34, 0.91)
Chromosomal Abnormalities	82	1.51 (0.65, 2.38)	85	2.27 (1.23, 3.32)

Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified

Chart 41 Symptoms, signs and abnormal lab findings ER Visits & Hospitalization, Both Genders

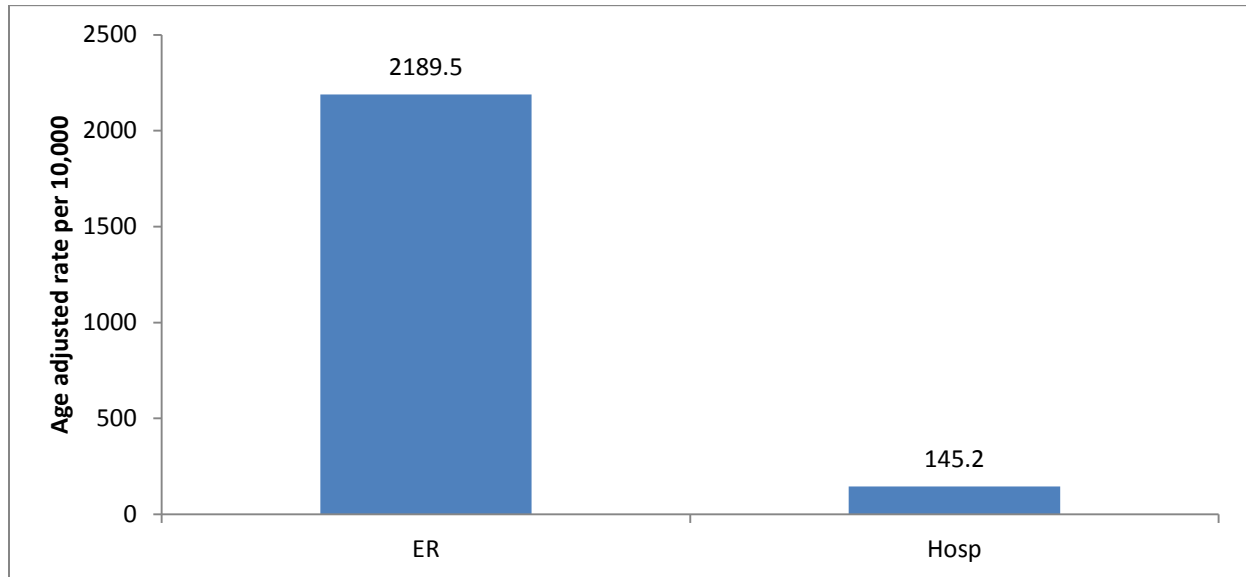


Chart 42 Symptoms, signs and abnormal lab findings Hospitalizations, by Gender

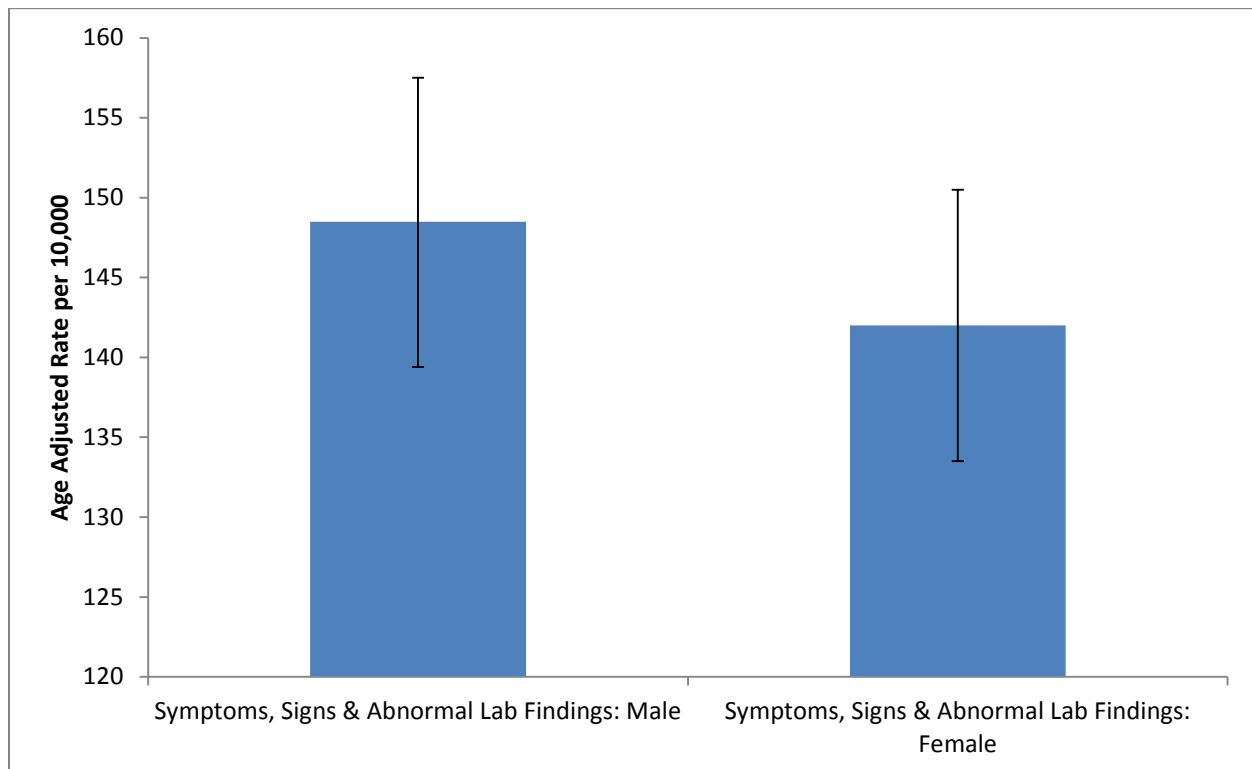


Table 37 Symptoms, signs and abnormal lab findings All Health Care Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Symptoms, Signs and Abnormal Lab Findings	162,000	8578.9 (8532.1, 8625.8)

Table 38 Symptoms, signs and abnormal lab findings ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Symptoms, Signs and Abnormal Lab Findings	42,560	2189.5 (2165.8, 2213.2)

Table 39 Symptoms, signs and abnormal lab findings Hospitalizations, Both Genders

Health Condition	Count	Age Adjusted Rate
Symptoms, Signs and Abnormal Lab Findings	3,088	145.2 (139.0, 151.4)

Table 39a Symptoms, signs and abnormal lab findings Hospitalizations, by Genders

Health Condition	Male Count	Male Rate	Female Count	Female Rate
Symptoms, Signs, and Abnormal Lab Findings	1,470	148.5 (139.4, 157.5)	1,618	142.0 (133.5, 150.5)

External causes of morbidity and mortality

Chart 43 External Cause of Injury: Leading 10 Causes ER Visits, Both Genders

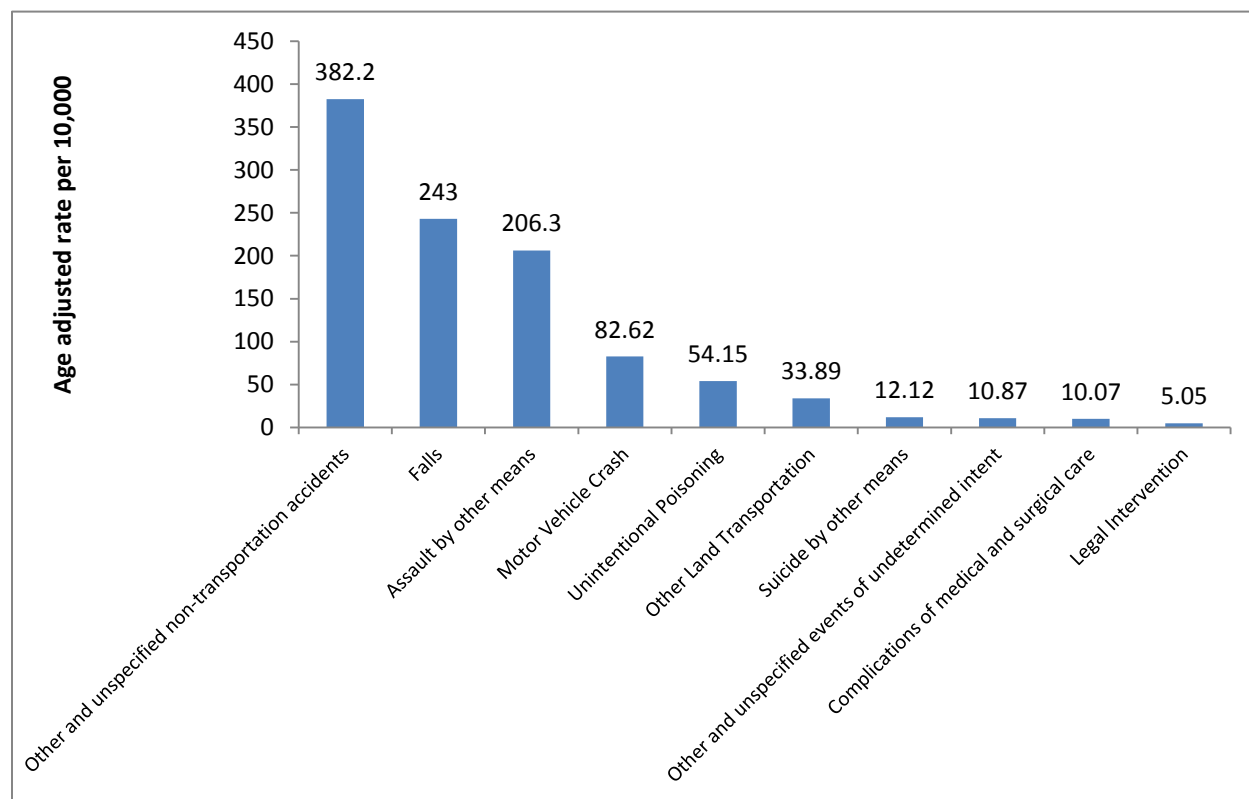


Chart 44 External Cause of Injury: Leading Causes Hospitalization, Both Genders

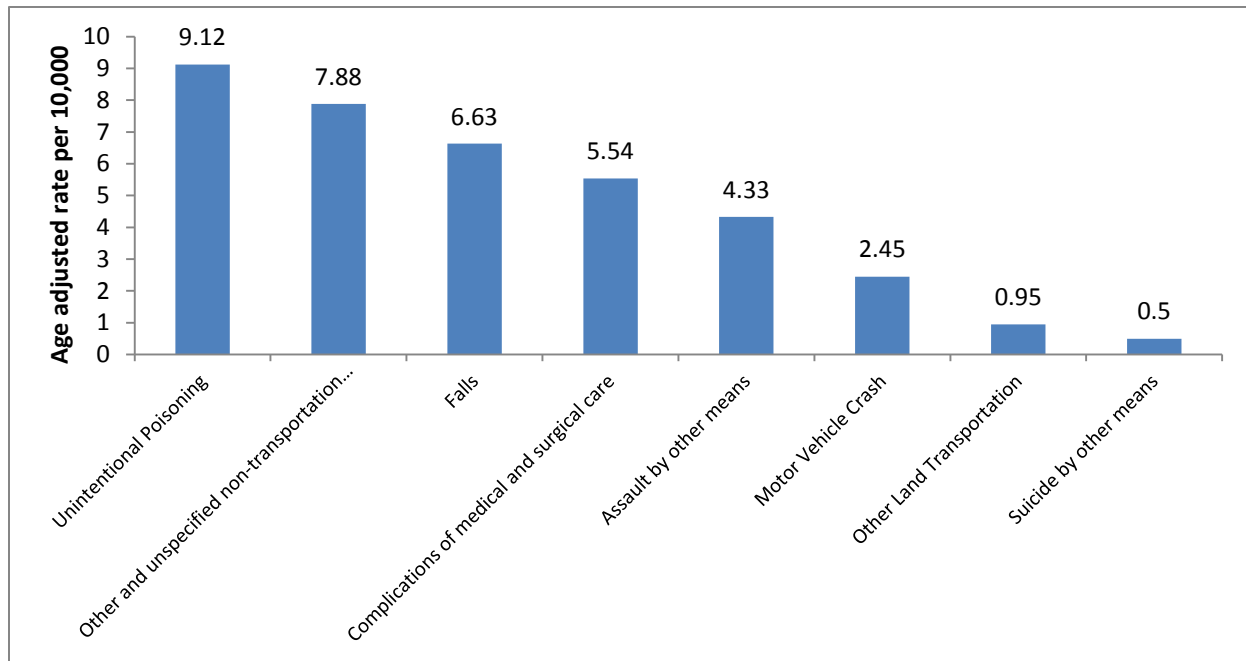


Chart 45 Unintentional Injury ER Visit, by Gender

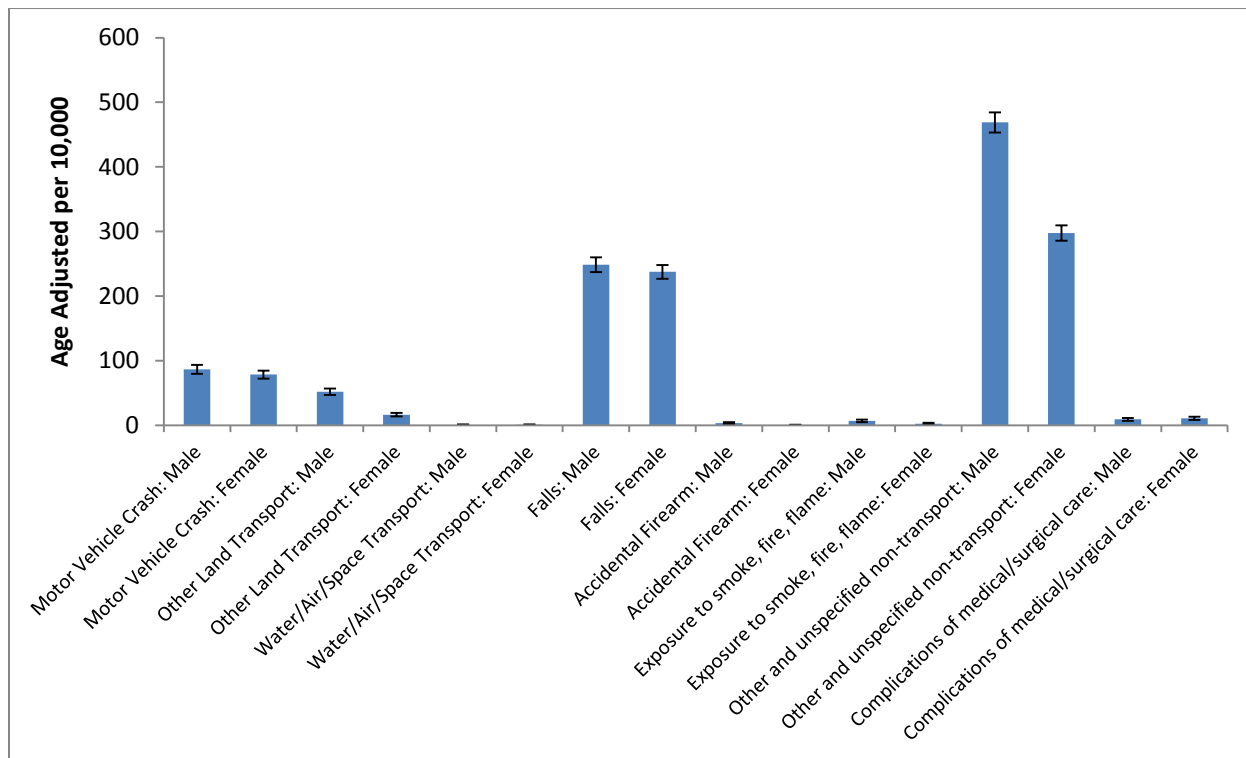


Chart 46 Intentional & Undetermined Intent ER Visit, by Gender

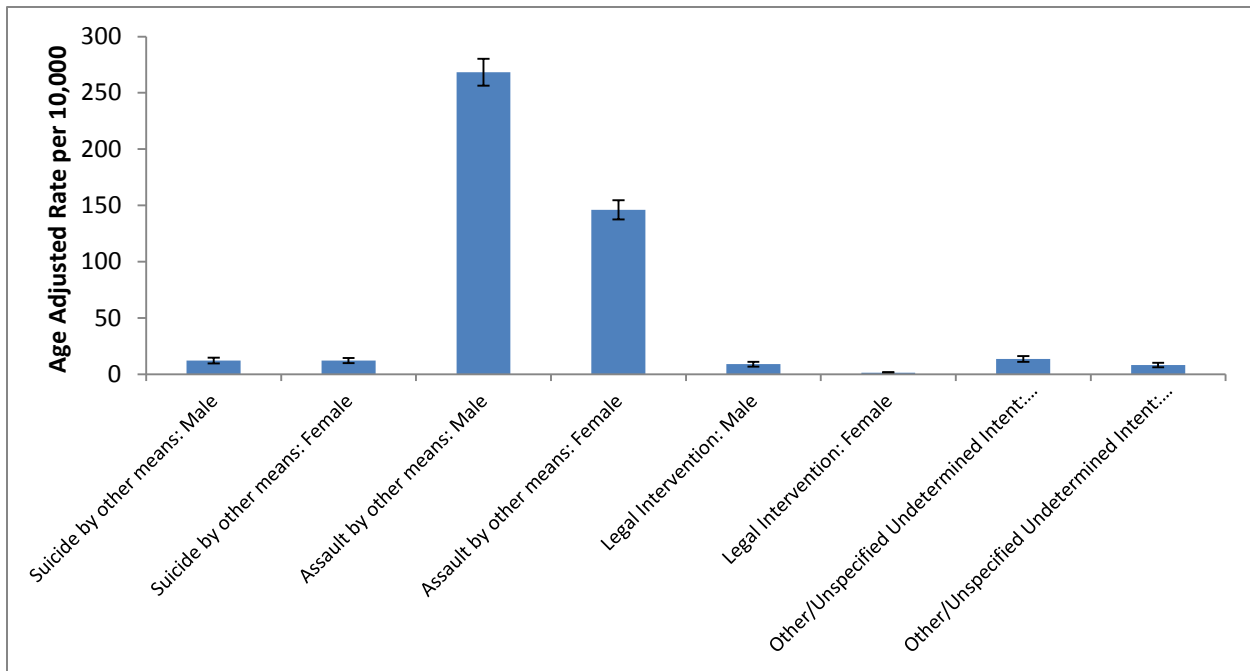


Chart 47 External Cause of Injury Hospitalizations, by Gender

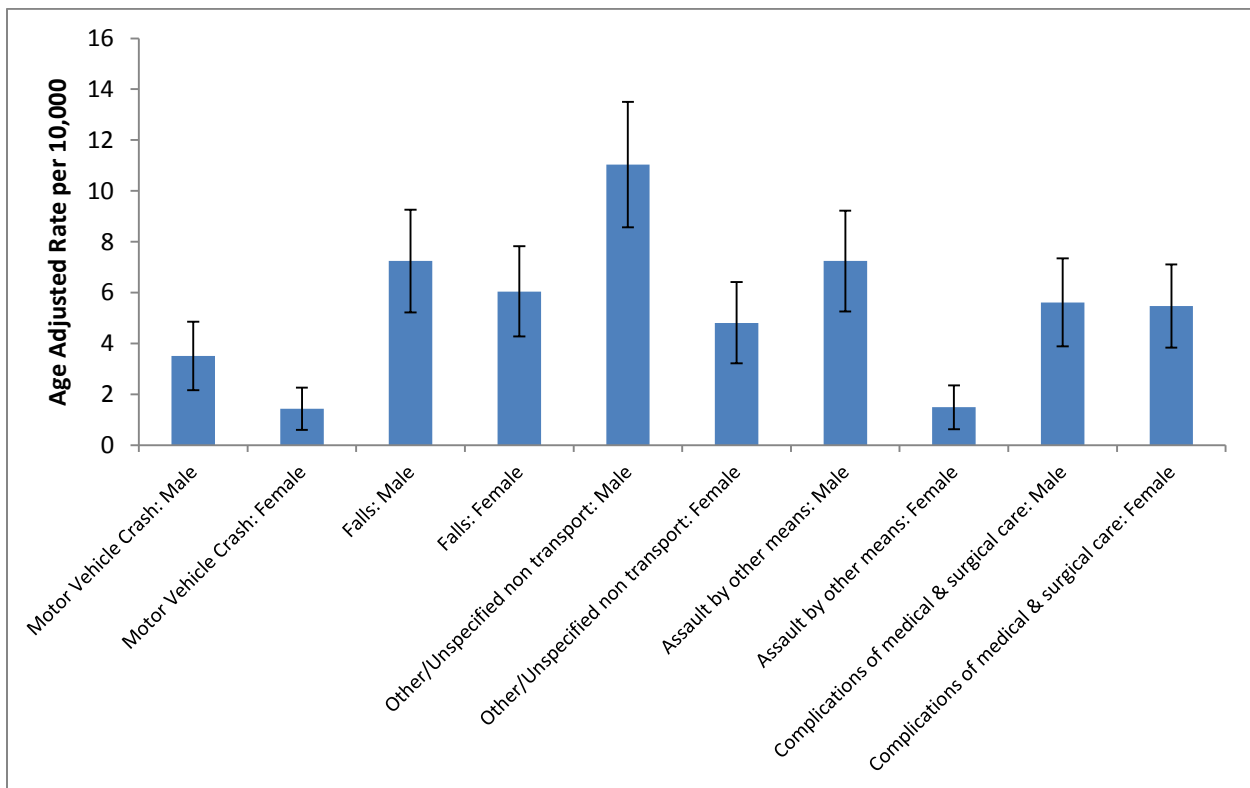


Table 40 External Cause of Injury ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Motor Vehicle Crash	1,444	82.62 (78.06, 87.19)
Other Land Transportation	618	33.89 (31.03, 36.75)
Water, Air and Space and other transportation	14	0.70 (0.29, 1.10)
Falls	5,174	243.0 (235.1, 250.8)
Accidental Discharge of Firearm	36	2.04 (1.29, 2.78)
Drowning	0	0
Accidental exposure to smoke, fire, flame	83	4.82 (3.70, 5.93)
Unintentional Poisoning		
Other and unspecified non-transportation accidents	7,326	382.2 (372.4, 391.9)
Suicide by discharge of firearm	NA	NA
Suicide by other means	211	12.12 (10.42, 13.82)
Assault by firearm	11	0.62 (0.23, 1.02)
Assault by other means	3,220	206.3 (199.0, 213.7)
Legal Intervention	78	5.05 (3.90, 6.19)
Discharge of firearm, undetermined intent	NA	NA
Other and unspecified events of undetermined intent	201	10.87 (9.21, 12.52)
Operations of war and their sequelae	0	0
Complications of medical and surgical care	167	10.07 (8.46, 11.68)

Table 41a External Cause of Injury ER Visits, By Genders

Health Condition	Male Count	Male Rate	Female Count	Female Rate
Motor Vehicle Crash	732	86.66 (79.97, 93.36)	712	78.69 (72.47, 84.91)
Other Land Transportation	449	51.89 (46.80, 56.98)	169	16.37 (13.67, 19.08)
Water, Air and Space and other transportation	7	0.65 (0.07, 1.23)	7	0.74 (0.18, 1.30)
Falls	2,553	248.5 (237.2, 259.9)	2,621	237.5 (226.8, 248.3)
Accidental Discharge of Firearm	28	3.55 (2.16, 4.94)	8	0.56 (0.01, 1.12)
Drowning	0		0	
Accidental exposure to smoke, fire, flame	58	7.00 (5.07, 8.93)	25	2.70 (1.55, 3.85)
Unintentional Poisoning				
Other and unspecified non-transportation accidents	4,271	469.0 (453.4, 484.5)	3,055	297.7 (285.9, 309.6)
Suicide by discharge of firearm	NA		NA	
Suicide by other means	102	12.16 (9.69, 14.64)	109	12.07 (9.74, 14.41)
Assault by firearm	9	1.06 (0.31, 1.81)	NA	
Assault by other means	2,033	268.4 (256.4, 280.3)	1,187	146.0 (137.4, 154.6)
Legal Intervention	67	8.96 (6.77, 11.15)	11	1.24 (0.49, 1.99)
Discharge of firearm, undetermined intent	NA		NA	
Other and unspecified events of undetermined intent	119	13.57 (10.91, 16.22)	82	8.24 (6.24, 10.24)
Operations of war and their sequelae	0		0	
Complications of medical and surgical care	78	9.20 (7.00, 11.39)	89	10.92 (8.56, 13.28)

Table 42 External Cause of Injury Hospitalizations, Both Genders

Health Condition	Count	Age Adjusted Rate
Motor Vehicle Crash	41	2.45 (1.67, 3.24)
Other Land Transportation	14	0.95 (0.44, 1.45)
Water, Air and Space and other transportation	0	0
Falls	151	6.63 (5.29, 7.98)
Accidental Discharge of Firearm	NA	NA
Drowning	0	0
Accidental exposure to smoke, fire, flame	NA	NA
Unintentional Poisoning		
Other and unspecified non-transportation accidents	129	7.88 (6.42, 9.34)
Suicide by discharge of firearm	NA	NA
Suicide by other means	8	0.50 (0.15, 0.86)
Assault by firearm	NA	NA
Assault by other means	67	4.33 (3.26, 5.40)
Legal Intervention	0	0
Discharge of firearm, undetermined intent	0	0
Other and unspecified events of undetermined intent	NA	NA
Operations of war and their sequelae	0	0
Complications of medical and surgical care	99	5.54 (4.35, 6.73)

Table 42a External Cause of Injury Hospitalizations, By Genders

Health Condition	Male Count	Male Rate	Female Count	Female Rate
Motor Vehicle Crash	28	3.51 (2.16, 4.85)	13	1.43 (0.60, 2.26)
Other Land Transportation	11	1.56 (0.62, 2.49)	NA	
Water, Air and Space and other transportation	0		0	
Falls	66	7.24 (5.22, 9.26)	85	6.04 (4.27, 7.82)
Accidental Discharge of Firearm	NA		NA	
Drowning	0		0	
Accidental exposure to smoke, fire, flame	NA		NA	
Unintentional Poisoning				
Other and unspecified non-transportation accidents	86	11.03 (8.57, 13.50)	43	4.81 (3.22, 6.41)
Suicide by discharge of firearm	NA		NA	
Suicide by other means	7	0.92 (0.23, 1.61)	NA	
Assault by firearm	NA		NA	
Assault by other means	54	7.24 (5.26, 9.22)	13	1.49 (0.63, 2.35)
Legal Intervention	0		0	
Discharge of firearm, undetermined intent	0		0	
Other and unspecified events of undetermined intent	NA		NA	
Operations of war and their sequelae	0		0	
Complications of medical and surgical care	48	5.61 (3.88, 7.35)	51	5.47 (3.83, 7.11)

Navajo Special Infectious Diseases

Chart 48 Navajo Special Infectious Diseases ER Visits & Hospitalizations, Both Genders

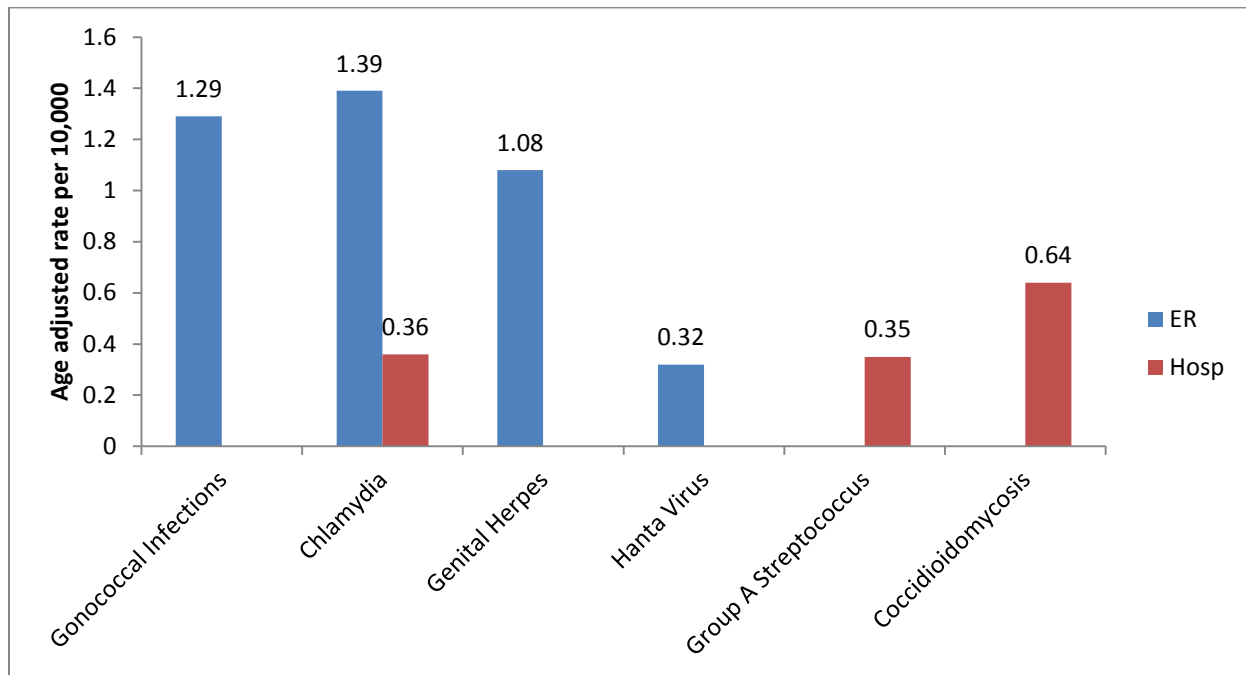


Table 43 Navajo Special Infectious Diseases, All Health Care Visits Both Genders

Health Condition	Count	Age Adjusted Rate
Plague	0	
Tularemia	0	
Group A Streptococcus	9	0.53 (0.16, 0.90)
Gonococcal Infections	239	15.22 (13.25, 17.20)
Chlamydia	608	34.86 (32.02, 37.69)
Genital Herpes	292	18.86 (16.65, 21.08)
Rocky Mountain Spotted Fever	6	0.31 (0.01, 0.60)
West Nile Virus	NA	
Hanta Virus	14	0.83 (0.37, 1.29)
Coccidioidomycosis	74	4.61 (3.53, 5.68)

Table 44 Navajo Special Infectious Diseases ER Visits, Both Genders

Health Condition	Count	Age Adjusted Rate
Plague	0	
Tularemia	0	
Group A Streptococcus	0	
Gonococcal Infections	22	1.29 (0.74, 1.85)
Chlamydia	22	1.39 (0.79, 1.98)
Genital Herpes	16	1.08 (0.54, 1.62)
Rocky Mountain Spotted Fever	NA	
West Nile Virus	0	
Hanta Virus	5	0.32 (0.03, 0.60)
Coccidioidomycosis	NA	

Table 45 Navajo Special Infectious Diseases Hospitalizations, Both Genders

Health Condition	Count	Age Adjusted Rate
Plague	0	
Tularemia	0	
Group A Streptococcus	6	0.35 (0.04, 0.66)
Gonococcal Infections	NA	
Chlamydia	6	0.36 (0.06, 0.65)
Genital Herpes	NA	
Rocky Mountain Spotted Fever	NA	
West Nile Virus	0	
Hanta Virus	NA	
Coccidioidomycosis	9	0.64 (0.22, 1.06)

Appendix

NCHS 113 ICD-10 Definitions

Infectious Diseases	
Health Condition	ICD-10 Codes
Salmonella	A01-A02
Shigellosis and amebiasis	A03, A06
Certain other intestinal infections	A04, A07-A09
Respiratory tuberculosis	A16
Other tuberculosis	A17-A19
Pertussis (Whooping Cough)	A37
Scarlet fever and erysipelas	A38, A46
Meningococcal infection	A39
Septicemia	A40-A41
Syphilis	A50-A53
Acute Poliomyelitis	A80
Arthropod-borne viral encephalitis	A83-A84, A85.2
Measles	B05
Viral Hepatitis	B15-B19
Human immunodeficiency virus (HIV) disease	B20-B24
Malaria	B50-B54
Other and unspecified infectious and parasitic diseases and their sequelae	A00, A05, A20-A36, A42-A44, A48-A49, A54-A79, A81-A82, A85.0-A85.1, A85.8, A86-B04, B06-B09, B25-B49, B55-B99
Malignant Neoplasms	
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
Malignant neoplasms of esophagus	C15
Malignant neoplasms of stomach	C16
Malignant neoplasms of colon, rectum and anus	C18-C21
Malignant neoplasms of liver and intrahepatic bile ducts	C22
Malignant neoplasm of pancreas	C25
Malignant neoplasm of larynx	C32
Malignant neoplasms of trachea, bronchus and lung	C33-C34
Malignant melanoma of skin	C43
Malignant neoplasm of breast	C50
Malignant neoplasm of cervix uteri	C53
Malignant neoplasms of corpus uteri and uterus, part unspecified	C54-C55
Malignant neoplasm of ovary	C56
Malignant neoplasm of prostate	C61
Malignant neoplasms of kidney and renal pelvis	C64-C65
Malignant neoplasm of bladder	C67
Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
Hodgkin's disease	C81

Non-Hodgkin's lymphoma	C82-C85
Leukemia	C91-C95
Multiple myeloma and immunoproliferative neoplasms	C88, C90
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96
All other and unspecified malignant neoplasms	C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66, C68-C69, C73-C80, C97
Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism	
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
Anemias	D50-D64
Endocrine, nutritional and metabolic diseases	
Diabetes Mellitus	E10-E14
Malnutrition	E40-E46
Other nutritional deficiencies	E50-E64
Mental and behavioral disorders	
Meningitis	G00, G03
Parkinson's disease	G20-G21
Alzheimer's disease	G30
Diseases of the circulatory system	
Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09
Hypertensive heart disease	I11
Hypertensive heart and renal disease	I13
Acute myocardial infarction	I21-I22
Other acute ischemic heart diseases	I24
Atherosclerotic cardiovascular disease, so described	I25.0
All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Acute and subacute endocarditis	I33
Acute and subacute endocarditis	I30-I31, I40
Heart failure	I50
All other forms of heart disease	I26-I28, I34-I38, I42-I49, I51
Essential (primary) hypertension and hypertensive renal disease	I10, I12
Cerebrovascular diseases	I60-I69
Atherosclerosis	I70
Aortic aneurysm and dissection	I71
Other diseases of arteries, arterioles and capillaries	I72-I78
Other disorders of circulatory system	I80-I99
Diseases of the respiratory system	
Influenza	J09-J11
Pneumonia	J12-J18
Acute bronchitis and bronchiolitis	J20-J21
Unspecified acute lower respiratory	J22

infection	
Bronchitis, chronic and unspecified	J40-J42
Emphysema	J43
Asthma	J45-J46
Other chronic lower respiratory diseases	J44, J47
Pneumoconiosis and chemical effects	J60-J66, J68
Pneumonitis due to solids and liquids	J69
Other diseases of respiratory system	J00-J06, J30-J39, J67, J70-J98
Diseases of the digestive system	
Peptic ulcer	K25-K28
Diseases of appendix	K35-K38
Hernia	K40-K46
Alcoholic liver disease	K70
Other chronic liver disease and cirrhosis	K73-K74
Cholelithiasis and other disorders of gallbladder	K80-K82
Diseases of the genitourinary system	
Cholelithiasis and other disorders of gallbladder	N00-N01, N04
Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified	N02-N03, N05-N07, N26
Renal Failure	N17-N19
Other disorders of kidney	N25, N27
Infections of kidney	N10-N12, N13.6, N15.1
Hyperplasia of prostate	N40
Inflammatory diseases of female pelvic organs	N70-N76
Pregnancy, childbirth and the puerperium	
Pregnancy with abortive outcome	O00-O07
Other complications of pregnancy, childbirth and the puerperium	O10-O99
Certain conditions originating in the perinatal period	
Certain conditions originating in the perinatal period	P00-P96
Congenital malformations, deformations and chromosomal abnormalities	
Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
All other diseases (Residual)	
All other diseases (Residual)	All Codes not specified for the other health conditions
External causes of morbidity and mortality	
Motor Vehicle Crash	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Unintentional injury: Other land transport	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-

	V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9
Unintentional injury: Water, air and space, and other transport	V90-V99, Y85
Falls	W00-W19
Accidental discharge of firearms	W32-W34
Accidental drowning and submersion	W65-W74
Accidental exposure to smoke, fire and flames	X00-X09
Accidental poisoning and exposure to noxious substances	X40-X49
Other and unspecified non-transport accidents and their sequelae	W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86
Intentional self-harm (suicide) by discharge of firearms	X72-X74
Intentional self-harm (suicide) by other and unspecified means and their sequelae	X60-X71, X75-X84, Y87.0
Assault (homicide) by discharge of firearms	X93-X95
Assault (homicide) by other and unspecified means and their sequelae	X85-X92, X96-Y09, Y87.1
Legal intervention	Y35, Y89.0
Discharge of firearms, undetermined intent	Y22-Y24
Other and unspecified events of undetermined intent and their sequelae	Y10-Y21, Y25-Y34, Y87.2, Y89.9
Operations of war and their sequelae	Y36, Y89.1
Complications of medical and surgical care	Y40-Y84, Y88

Navajo Special Health Conditions

Infectious Diseases	
Health Condition	ICD-10 Code
Plague	A20
Tularemia	A21
Group A Streptococcus	
Gonococcal Infections	A54
Chlamydia	A55-A56
Genital Herpes	A60
Rocky Mountain Spotted Fever	A77
West Nile Virus	A92.3
Hanta Virus	B33.4
Coccidioidomycosis	B38
Mental and behavioral disorders	
Dementia	F01-F03
Alcohol Dependence	F10.2
Harmful Use of Alcohol	F10.1
Opioid Overdose	F11.0
Opioid Dependence	F11.2