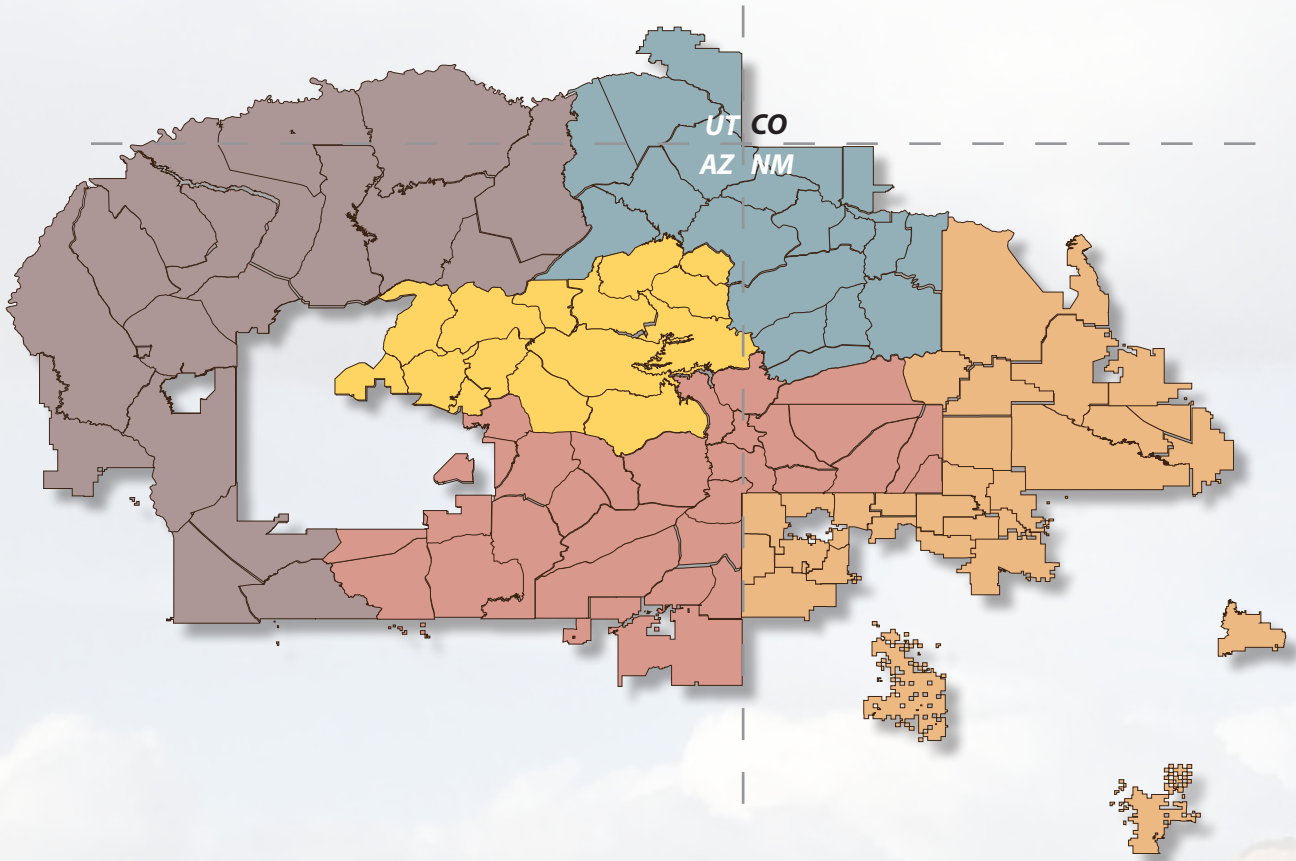




Navajo Nation Hospitalization & Emergency Room Rates

2019-2021

National Center for Health Statistics 113 Select Causes, COVID-19,
and other Diseases of Interest to the Navajo Nation



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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.

COVID-19 interrupted the pattern of annual reporting of EDM data. This report contains diagnosis data from the EDM if the patient was treated between January 1, 2019 and December 31, 2021, inclusive. Results are then presented by each unique calendar year (i.e. 2019, 2020, 2021). Clients are included only if they are Native American, Navajo, and have a community residence on the Navajo Nation, including the 3 Navajo satellite communities (Alamo, Ramah, and Tohajiilee), or within a border town¹. 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 12 infectious diseases (including COVID-19 and RSV), three conditions from the Mental & Behavioral Health ICD-10 block, and 20 health conditions from the Injury, poisoning and certain other consequences of external causes block (T codes) which are of interest to the NEC. Important issues such as unintentional poisoning and opioid poisoning can be found within the T codes. U.S. Census data from 2000 and 2010 provide population data for each Navajo Chapter and border town. The author estimated the 2019, 2020, and 2021 Navajo Nation population by calculating the population change between 2000 and 2010 and applying a constant rate of change for each year from 2011-2021. The Navajo and border town populations are then used as the denominator to calculate the rates. It is anticipated that the 2020 Census will be available to calculate rates for the 2022 report. These rates are age adjusted to the 2000 U.S. population.

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)

The IHS Standard Code Book (SCB) helped to further stratify by the type of health care clinic where the patient was treated. The three primary treatment sites are the Emergency Room, Hospitalization and Urgent Care. A “CLINIC_CD” variable of “30” indicates an Emergency Room (ER) case, a “CLINIC_CD” variable of “80” indicates an Urgent Care 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.

Charts 1-3 present all cause visits, all cause Emergency Room, and all cause Hospitalization visits for 2019, 2020, and 2021. Visits related to pregnancy and signs, symptoms and abnormal lab findings were removed, however, because many of these are routine visits or not clearly defined. Age-adjusted rates for all visits and emergency room visits have declined from 2019 to 2021, possibly due to the impact of COVID-19. Hospitalization rates have increased since 2019. Even after removing COVID-19 specific hospitalizations the all cause would still have increased from 2019 to 2020. This may indicate that COVID-19 also contributed to hospitalization for those with co-morbid conditions.

Charts 4-12 present leading causes of hospitalization and emergency room visits for the Navajo Nation including for 2019 through 2021. Rates for the leading causes of hospitalization increased for nearly all causes, but the increase was most pronounced for Pneumonia and Other Respiratory Disease. COVID-19 was among the leading 10 causes of hospitalization during 2020 but not in 2021. External injury hospitalizations were further stratified (Chart 5). Falls, Other Non-transportation, and Other Assault rates all increased since 2019. Similar patterns are seen for females and males. Additionally females experienced an increase in Anemias, and males experienced increases for Diabetes and All Other Heart Disease (Charts 7 & Chart 8).

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. Each of these charts display rates for 2019, 2020, and 2021 data. Each block also has tables presenting ER and hospitalization rates from 2018 through 2021. These tables indicate, through arrow symbols, if there has been a statistically significant change across time in rates by health condition. An upward arrow indicates that 2021 is significantly higher (i.e. 95% Confidence Intervals do not overlap) than 2017, a downward arrow indicates that 2021 results are significantly lower than 2017, and a level arrow indicates there is no significant difference between years. Tables are also provided that show rates by Gender for 2019, 2020, and 2021. If there are significant differences by gender that rates are highlighted in red. Rates are provided if health condition counts are greater than or equal to 5. Finally, each ICD-10 block includes a table that displays what percent of visits for each health condition are for hospitalization, emergency room, and urgent care, respectively. In some instances there is overlap between Hospitalization and ER or Urgent Care because someone can receive care in the ER or Urgent Care and then be admitted to the hospital.

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. Males had higher hospitalization rates than females for:

- Pneumonitis due to solids and liquids (2019: 4.46 and 1.18), (2021: 6.35 and 2.63)
- Alcohol Poisoning (2019: 7.02 and 2.24), (2021: 2.44 and 0.69)
- Assault, Other (2019: 2.9 and 1.22), (2021: 6.07 and 2.51)
- Motor Vehicle Crash (2019: 3.32 and 1.44)
- Other non-transportation injuries (2019: 7.15 and 3.11), (2020: 8.91 and 3.34)
- Cold Exposure (2019: 1.61 and 0.75), (2020: 1.26 and 0.55)
- Syphilis (2019: 0.8 and 0.38)
- Burns (2020: 2.99 and 1.18), (2021: 2.44 and 1.06)
- Acute Bronchitis (2021: 1.79 and 1.71)
- Viral Hepatitis (2.12 and 0.96)

Females had higher hospitalization rates than males for:

- Chlamydia (2019: 1.44 and 0.55), (2020: 1.77 and 0.37)
- Infection of Kidney (2019: 12.01 and 3.02), (2020: 12.24 and 1.65), (2021: 11.72 and 3.16)
- Gonorrhea (2020: 2.0 and 0.97)
- Dementia (2020: 9.78 and 4.51)
- Syphilis (2021: 4.51 and 2.14)

The health conditions and injury types with the largest gender differences for ER visits are mentioned here (where one gender's age adjusted rate was 2 or more times higher than the other). Only health conditions that were higher in 2019, 2020, and 2021 are mentioned here for 2019, 2020 and 2021 respectively. Males had significantly higher rates than females for

- Legal Intervention (8.0 and 1.3, 5.7 and 0.8, 8.2 and 1.7),
- Alcohol Poisoning (11.4 and 2.9, 4.6 and 1.2, 7.2 and 1.9)
- Cold Exposure (13.4 and 4.4, 11.9 and 2.7, 8.8 and 3.3)
- Other Land Transportation (58.0 and 19.2, 43.5 and 13.7, 42.6 and 15.5)

Females have higher ER rates than males for

- Infections of kidney (58.0 and 8.5, 45.1 and 7.1, 49.8 and 6.4),
- Sexual Abuse (7.4 and 0.7, 4.3 and 0.7, 4.6 and 1.0)

For some health conditions not enough data were available to make comparisons by gender.

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. Some differences in rates may be due to random variation, but this report can begin to establish patterns. The conditions with the most significant changes (based on percent increase as well as absolute change in rate) for ER visit and Hospitalizations from 2017 to 2021 are bulleted below:

ER Visits

- Syphilis: 766% increase, 9.09/10,000 absolute change
- Certain intestinal infections: 196% increase, 13.64/10,000 absolute change
- Influenza: 183% increase, 117.73/10,000 absolute change (This is a comparison between 2017 and 2020 due to unstable results in the 2021 data set)
- Other Chronic Liver Disease & Cirrhosis: 214% increase, 6.49/10,000 absolute change
- Septicemia: 45% increase, 10.53/10,000 absolute change

Hospitalizations

- Certain intestinal infections: 277% increase, 6.43/10,000 absolute change
- Syphilis: 359% increase, 2.62/10,000 absolute change
- Other Respiratory Disease: 49% increase, 24.81/10,000 absolute change
- Gonococcal Infection: 368% increase, 1.73/10,000 absolute change
- Symptoms, signs and abnormal laboratory findings: 28% increase, 74.16/10,000 absolute change

All Cause Rates

Chart 1 All Cause All Visit Rates, by year (excluding O & R Codes)

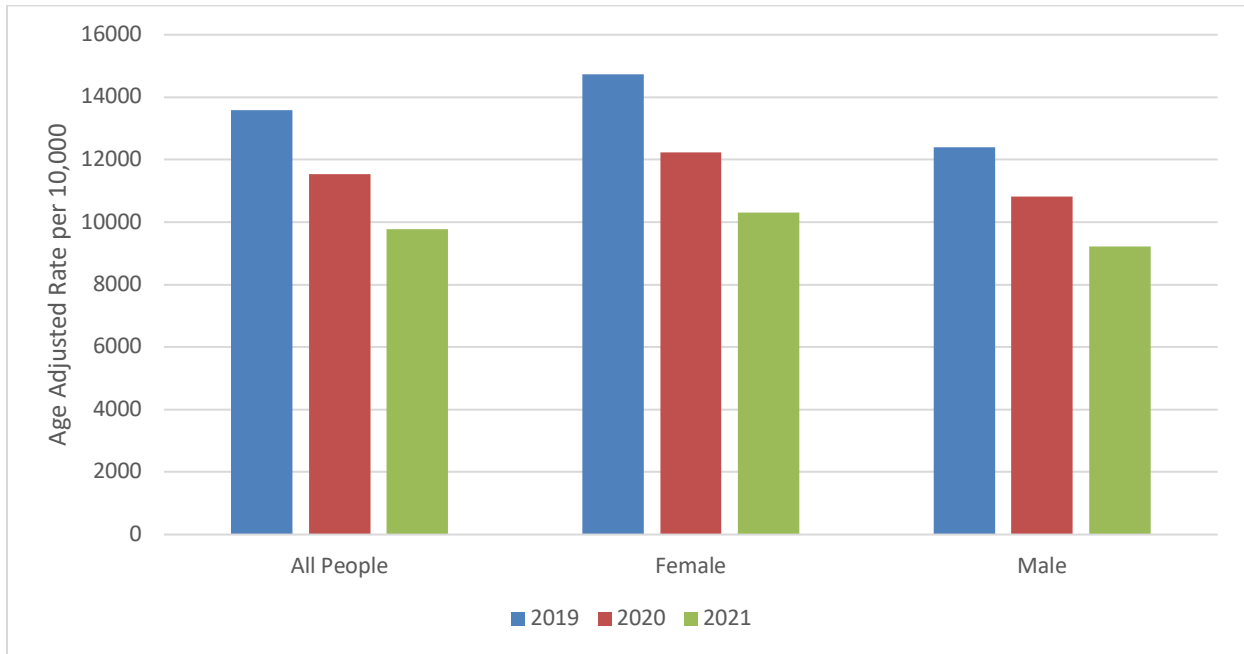


Chart 2 All Cause Emergency Room Visit Rates, by year (excluding O & R Codes)

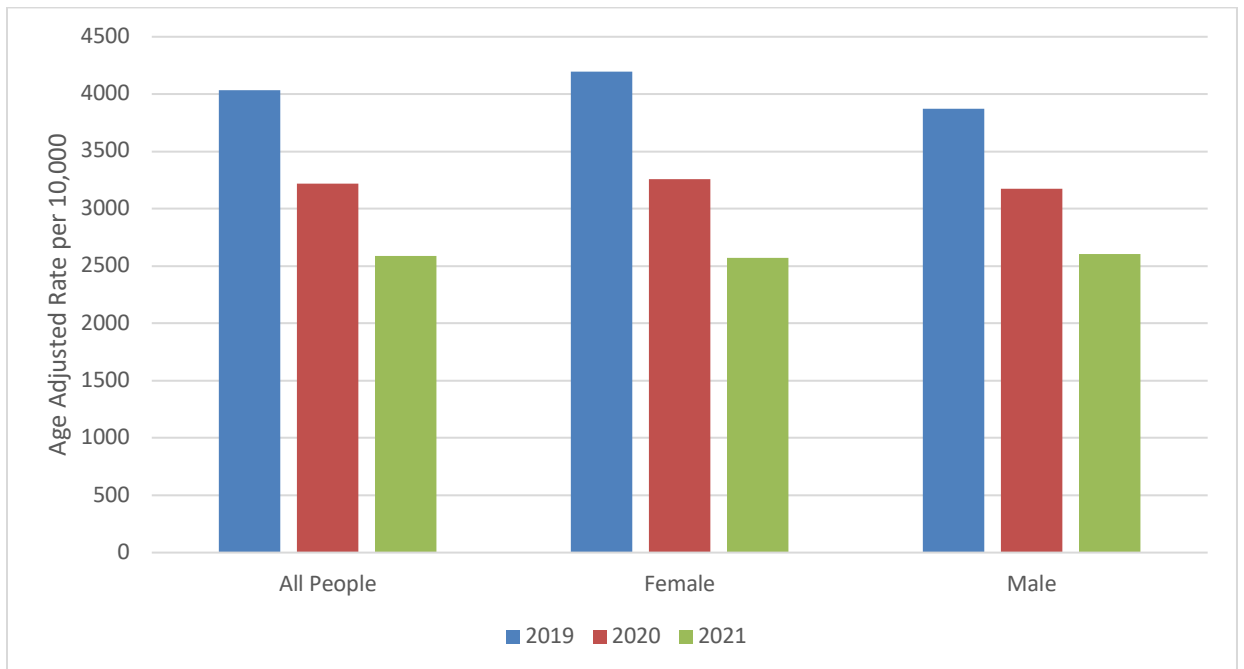
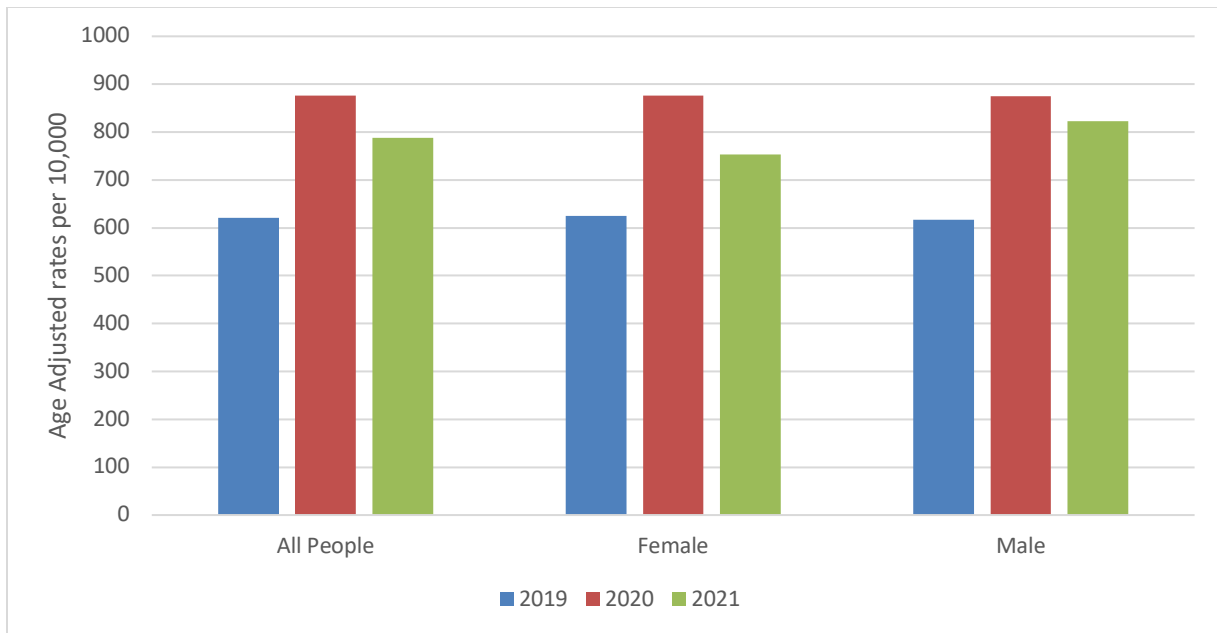
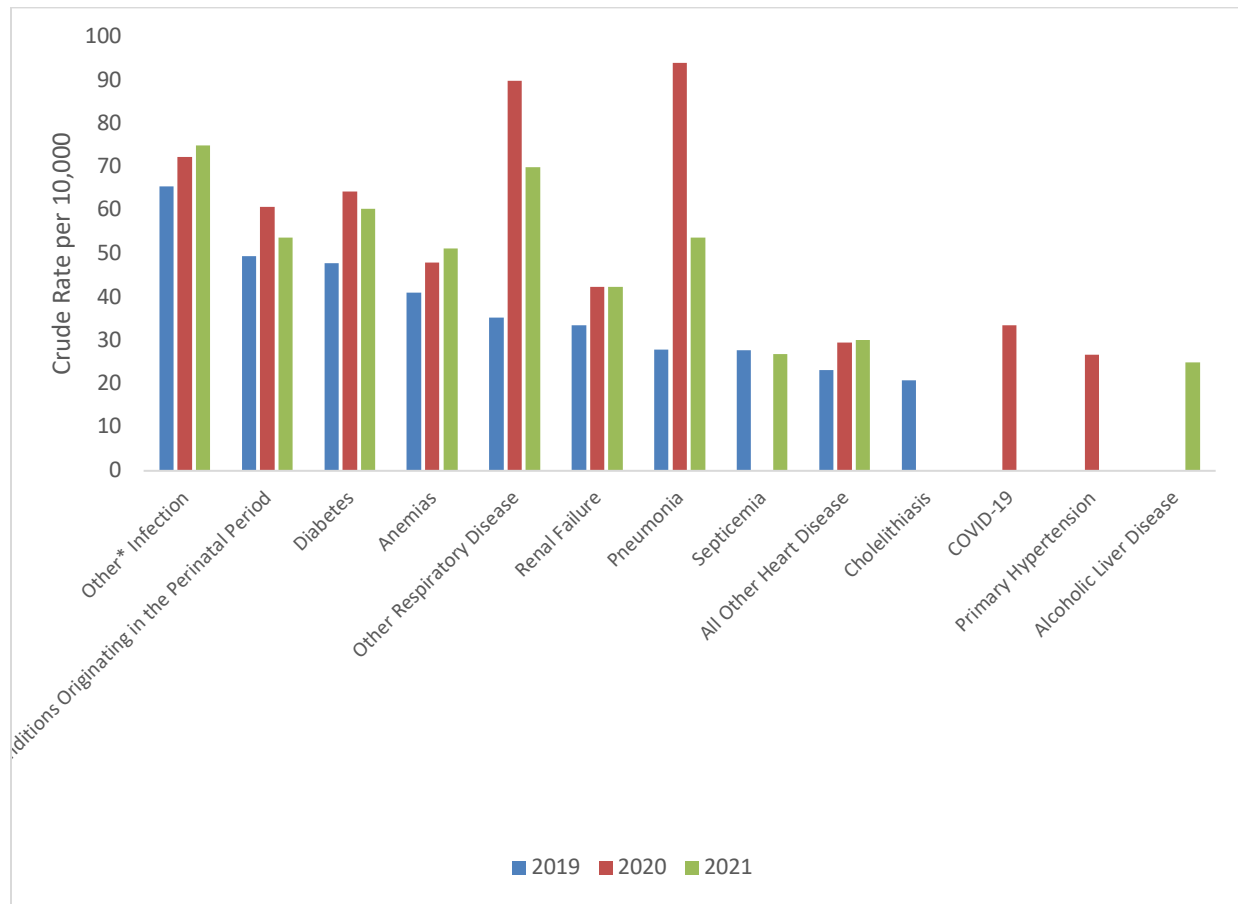


Chart 3 All Cause Hospitalization Rates, by year (excluding O & R Codes)



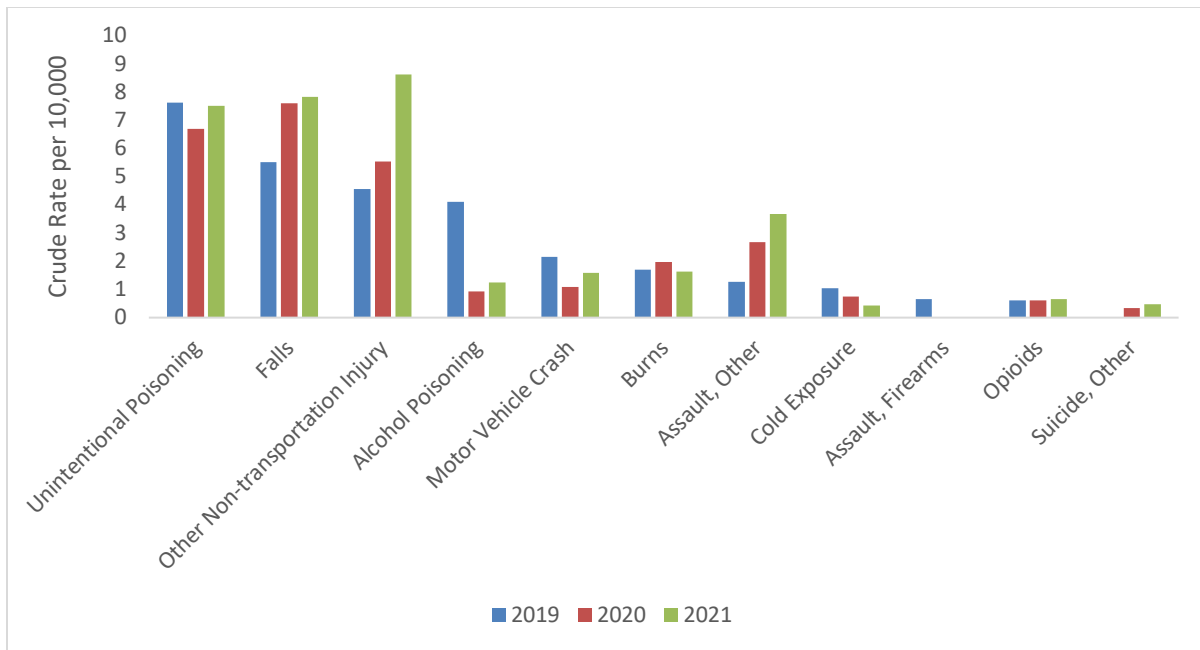
Leading Causes of Hospitalization

Chart 4 Leading Causes of Hospitalization on the Navajo Nation, Both Genders



*For a list of the most common “Other” infections see appendix

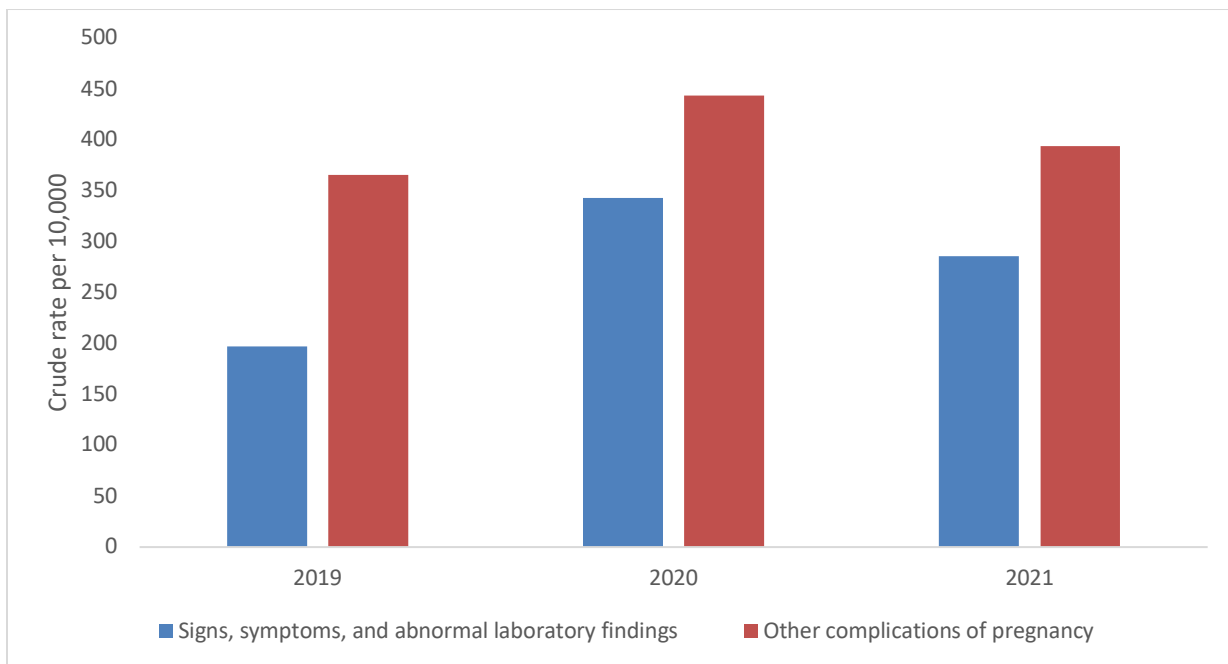
Chart 5 Leading Causes of Hospitalization both Genders, External Injuries 2019-2021



Assault, Other: non-firearm related Assaults

Unintentional Poisoning, Alcohol Poisoning, Burns, and Opioids were calculated using T-Codes.

Chart 6 Pregnancy & Signs/Symptoms and Laboratory Findings



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

Chart 7 Ten Leading Causes of Hospitalization, Females 2019-2021

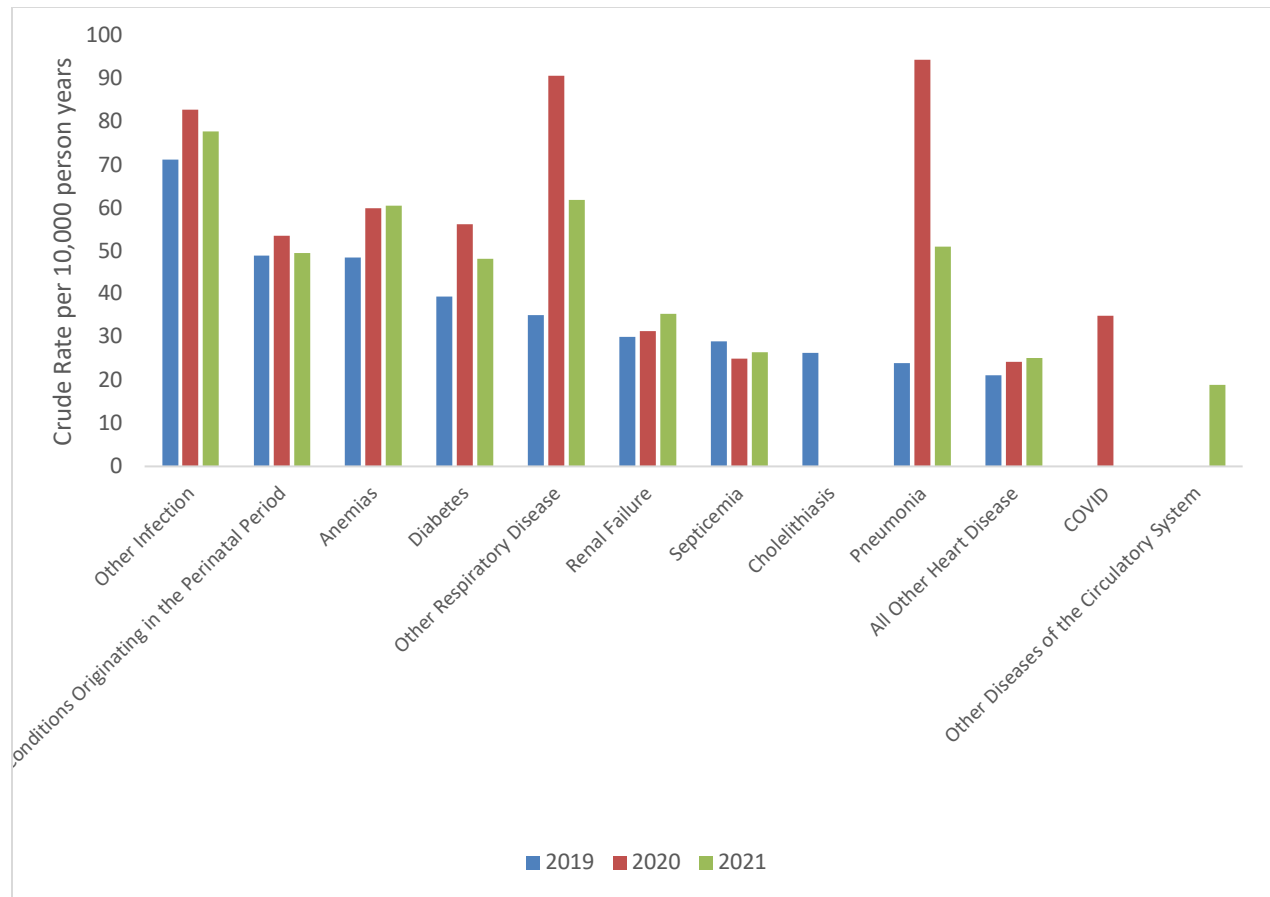


Chart 8 Ten Leading Causes of Hospitalization, Males 2019-2021

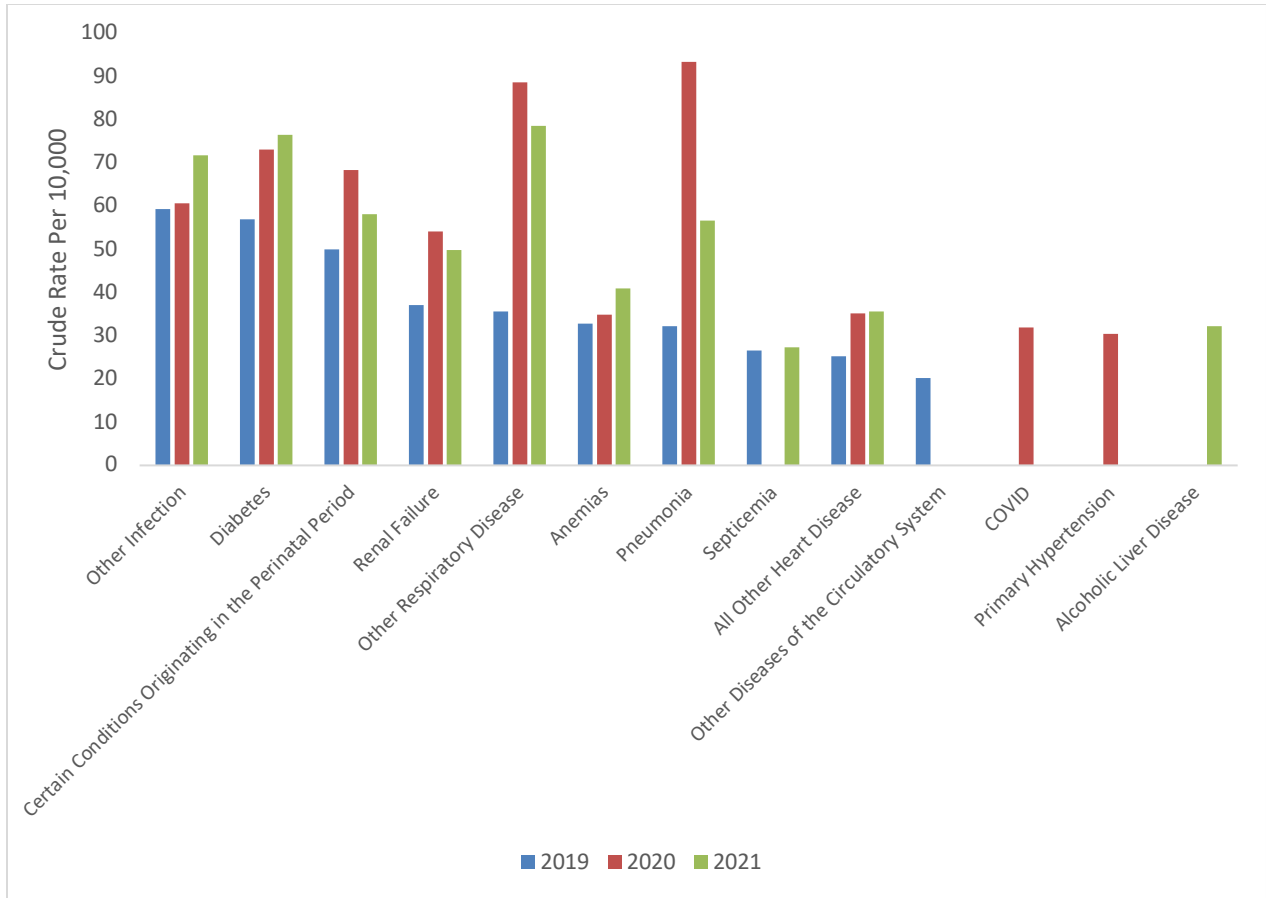
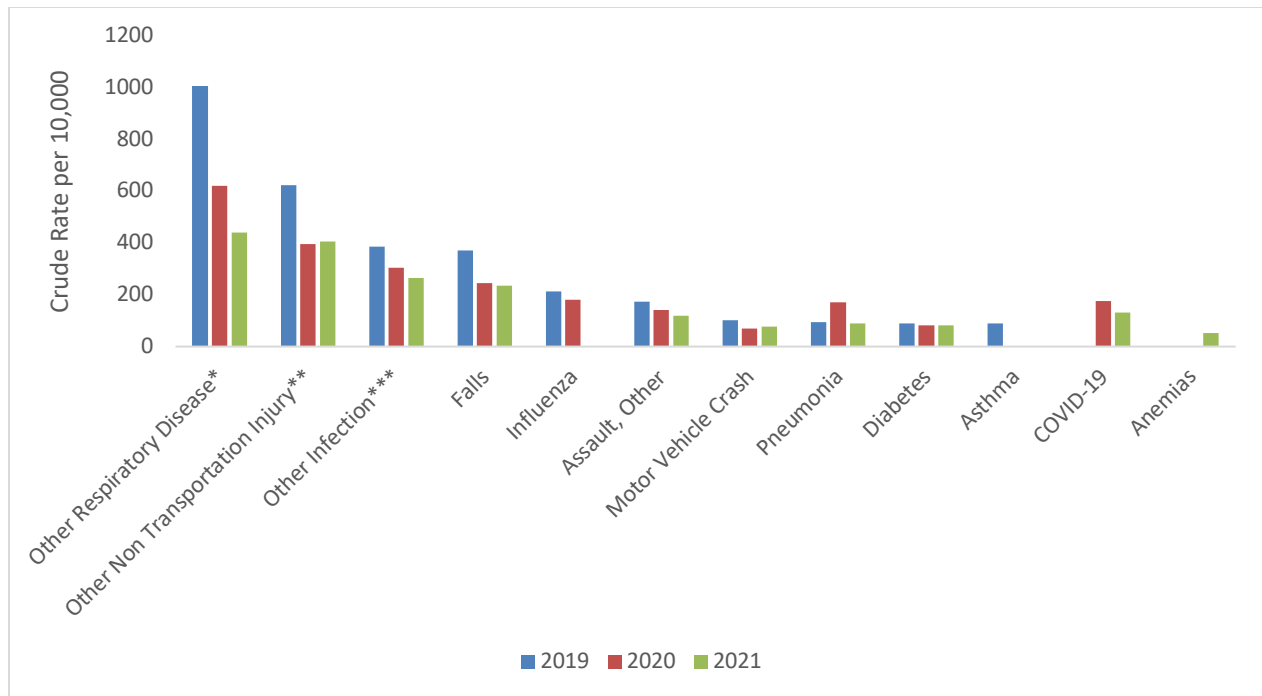


Chart 9 Ten Leading Causes of Emergency Room Visit



*A list of leading “Other Respiratory Disease” can be found in the appendix

**A list of leading “Other Non-transportation injury” can be found in the appendix

***A list of leading “Other infection” can be found in the appendix

Chart 10 Ten Leading Causes of External Injury ER Visits, both Genders

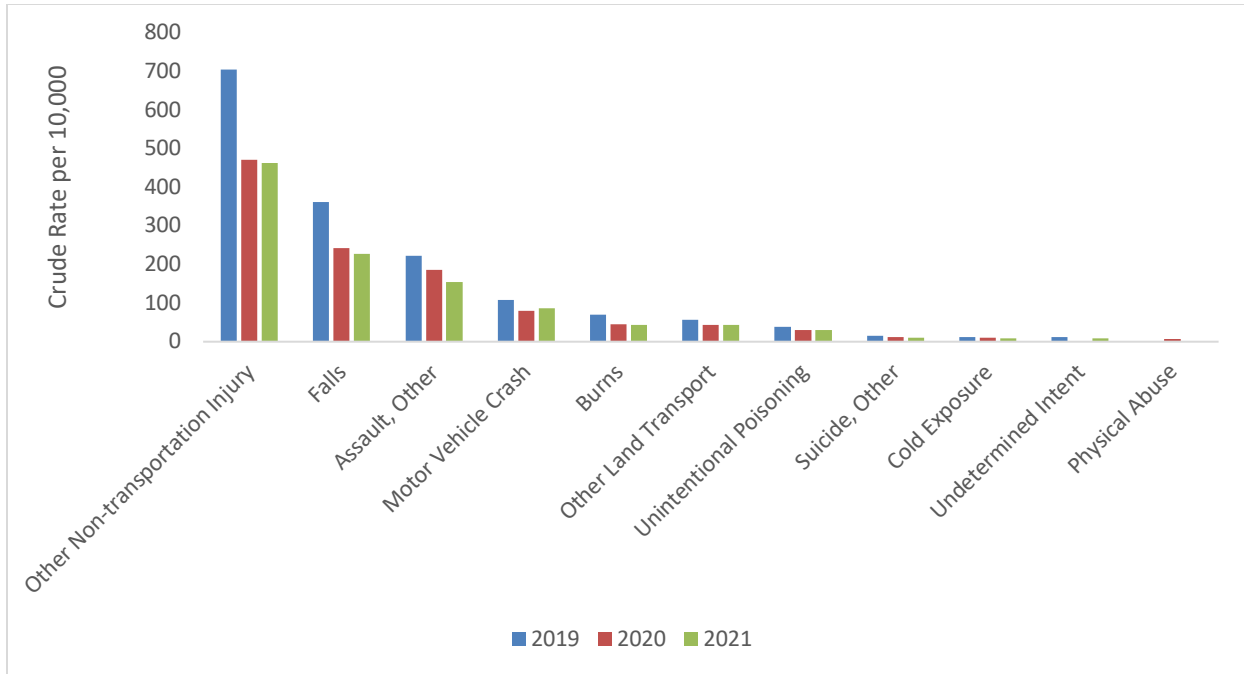


Chart 11 Ten Leading Causes of ER Visit, Females

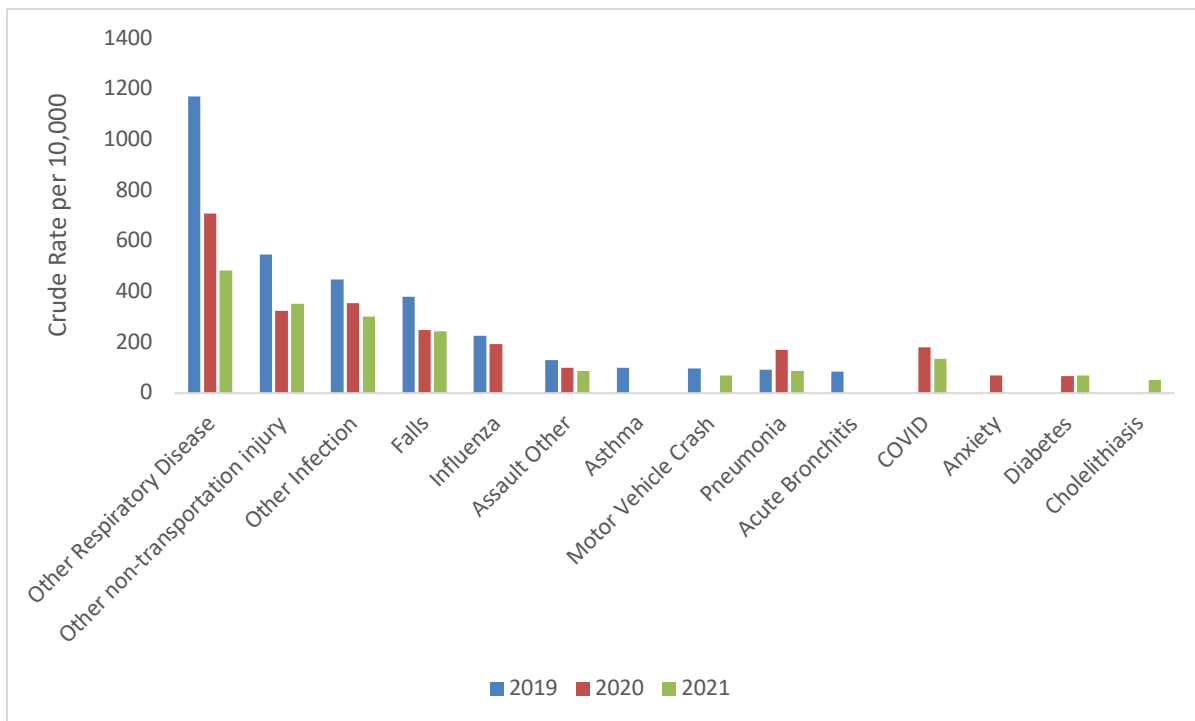
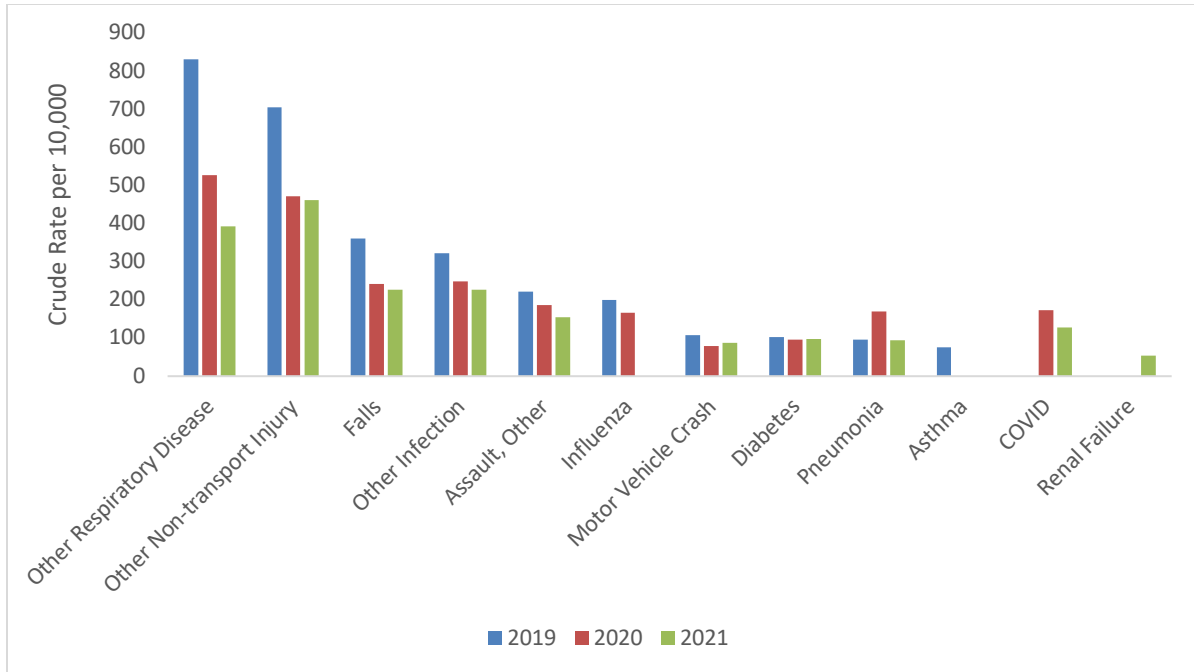


Chart 12 Ten Leading Causes of ER Visits, Males



Certain infectious and parasitic diseases

Chart 13 Leading causes of Infectious Disease Emergency Room (ER) visits on the Navajo Nation, Both Genders

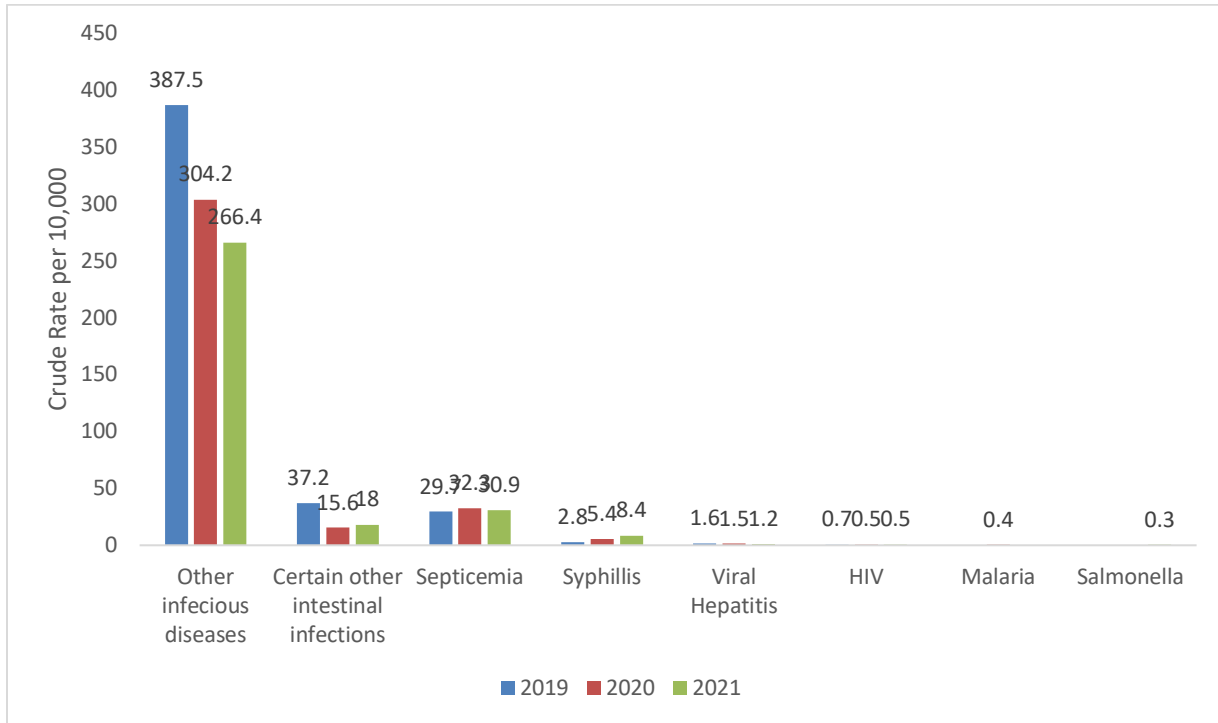


Chart 14 Leading causes of Infectious Disease Hospitalization on the Navajo Nation, Both Genders

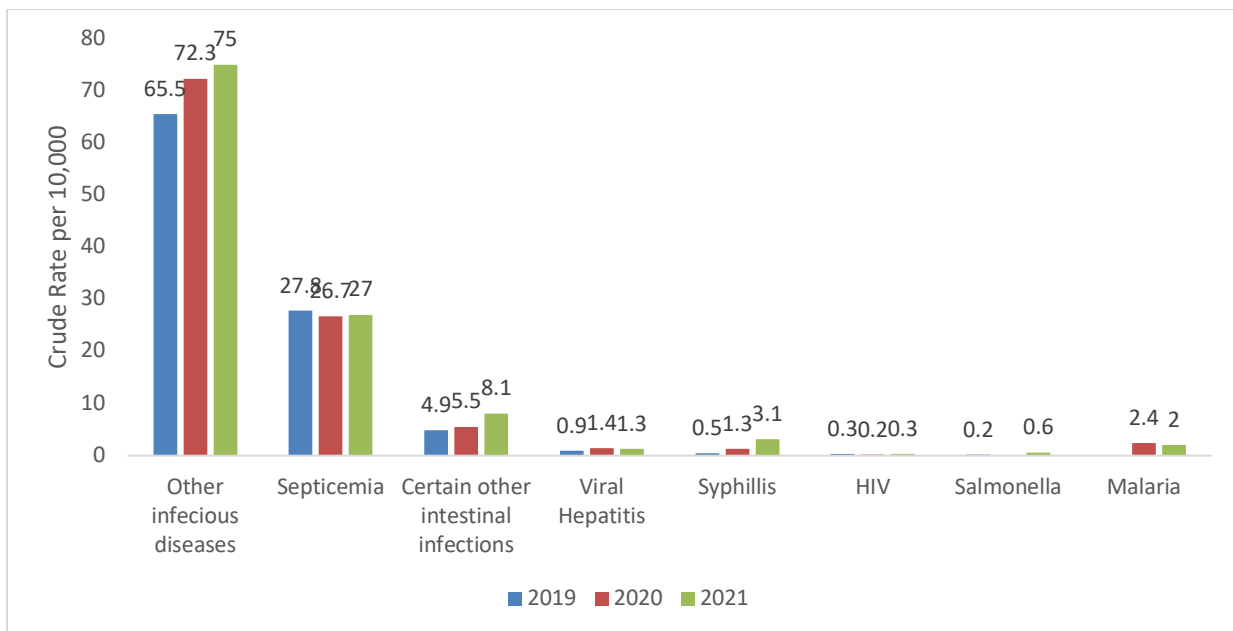


Table 1 Age Adjusted ER Visit Rates, both Genders

Condition	2018	2019	2020	2021	Movement
Salmonella	NA	NA	NA	0.27	NA
Shigellosis	NA	NA	NA	NA	NA
Certain other intestinal infections	34.78 (32.13, 47.44)	37.85	15.96	18.25	↓
Respiratory Tuberculosis	NA	0	0	0	NA
Other Tuberculosis	NA	0	0	0	NA
Pertussis	NA	0	0	0	NA
Scarlet Fever	NA	0	0	0	NA
Meningococcal Infection	0	0	NA	0	↔
Septicemia	34.31 (31.58, 37.05)	32.74	35.33	33.78	↔
Syphilis	1.71 (1.10, 2.31)	3.24	6.05	9.61	↑
Polio	NA	0	0	0	NA
Arthropod Borne Viral Encephalitis	NA	0	0	0	NA
Measles	NA	NA	NA	0	NA
Viral Hepatitis	2.96 (2.13, 3.79)	1.77	1.60	1.39	↓
HIV	1.14 (0.64, 1.63)	0.70	0.62	0.57	↔
Malaria	NA	0	0.41	0	NA
All Other	414.0 (404.9, 423.1)	389.5	315.3	272.5	↓

Table 2 Age Adjusted ER Visit Rates, by Gender

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Salmonella	0	NA	NA	0	NA	NA
Shigellosis	NA	0	NA	0	NA	0
Certain other intestinal infections	42.38	33.13	19.67	12.09	18.70	17.77
Respiratory Tuberculosis	0	0	0	0	0	0
Other Tuberculosis	0	0	0	0	0	0
Pertussis	0	0	0	0	0	0
Scarlet Fever	0	0	0	0	0	0
Meningococcal Infection	0	0	0	NA	0	0
Septicemia	32.24	33.27	35.28	35.39	34.18	33.36
Syphilis	2.28	4.25	4.39	7.77	8.00	11.27
Polio	0	0	0	0	0	0

Table Continued on Next Page

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Arthropod Borne Viral Encephalitis	0	0	0	0	0	0
Measles	NA	0	NA	0	0	0
Viral Hepatitis	1.36	2.19	1.48	1.73	0.97	1.82
HIV	NA	1.35	0	1.27	NA	0.87
Malaria	0	0	0.45	0.39	0	0
All Other	454.1	322.2	372.8	255.6	312.0	231.4

Table 3 Age Adjusted Hospitalization Rates, both Genders

Condition	2018	2019	2020	2021	Movement
Salmonella	0.69 (0.29, 1.09)	0.24	NA	0.51	↔
Shigellosis	NA	0	0	NA	NA
Certain other intestinal infections	6.81 (5.59, 8.03)	5.20	6.03	8.75	↔
Respiratory Tuberculosis	NA	0	0	0	NA
Other Tuberculosis	NA	0	0	0	NA
Pertussis	NA	0	0	0	NA
Scarlet Fever	NA	0	0	0	NA
Meningococcal Infection	NA	0	0	0	NA
Septicemia	37.06 (34.20, 39.91)	30.80	29.02	29.17	↓
Syphilis	0.62 (0.25, 0.99)	0.59	1.47	3.35	↑
Polio	NA	0	0	0	NA
Arthropod Borne Viral Encephalitis	NA	0	0	0	NA
Measles	NA	0	0	0	NA
Viral Hepatitis	1.68 (1.08, 2.28)	1.14	1.47	1.53	↔
HIV	0.57 (0.23, 0.92)	0.36	0.26	0.30	↔
Malaria	NA	0	2.46	2.05	NA
All Other	91.44 (86.92, 96.96)	71.71	78.56	81.24	↓

Table 4 Age Adjusted Hospitalization Rates, by Gender

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Salmonella	NA	NA	NA	NA	0.64	0.38
Shigellosis	0	0	0	0	0	NA
Certain other intestinal infections	6.16	4.21	7.60	4.40	9.15	8.34
Respiratory Tuberculosis	0	0	0	0	0	0
Other Tuberculosis	0	0	0	0	0	0
Pertussis	0	0	0	0	0	0
Scarlet Fever	0	0	0	0	0	0
Meningococcal Infection	0	0	0	0	0	0
Septicemia	33.14	28.35	28.31	29.76	29.36	28.97
Syphilis	0.38	0.80	1.58	1.36	4.51	2.14
Polio	0	0	0	0	0	0
Arthropod Borne Viral Encephalitis	0	0	0	0	0	0
Measles	0	0	0	0	0	0
Viral Hepatitis	0.94	1.34	1.43	1.50	0.96	2.12
HIV	NA	0.49	NA	NA	NA	0.62
Malaria	NA	0	2.16	2.78	2.05	2.06
All Other	79.86	63.23	92.87	63.66	86.65	75.61

Table 5 Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) for Infectious Disease 2019

Disease	Hospitalization	ER	Urgent Care
Certain Intestinal Infections (N=2624)	3.9%	30.0%	3.1%
HIV (N=69)	8.7%	20.3%	5.8%
Malaria (N=11)	9.1%	0%	9.1%
Measles (N=5)	0%	40.0%	0%
Meningitis (N=0)	NA	NA	NA
Other Infection (N=33,850)	4.1%	24.3%	5.7%
Polio (N=1)	0%	0%	0%
Salmonella (N=56)	8.9%	1.8%	5.4%
Septicemia (N=1,834)	32.2%	34.3%	1.9%
Shigellosis (N=7)	0%	14.3%	14.3%
Syphilis (N=456)	2.4%	13.2%	3.5%
Viral Hepatitis (N=293)	6.8%	11.3%	1.4%

Table 6 Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) for Infectious Disease 2020

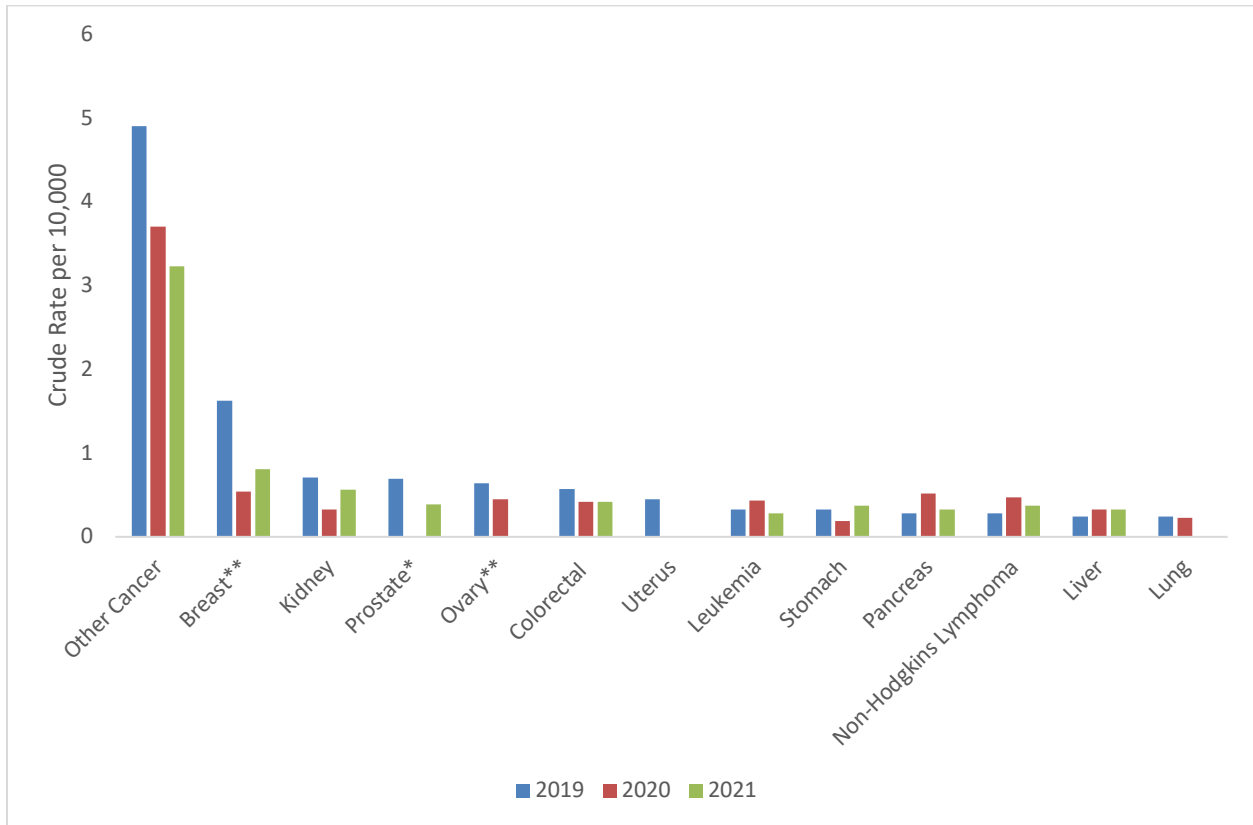
Disease	Hospitalization	ER	Urgent Care
Certain Intestinal Infections (N=1,388)	8.5%	23.9%	2.8%
HIV (N=62)	8.1%	17.7%	6.5%
Malaria (N=55)	90.9%	16.4%	0%
Measles (N=1)			
Meningitis (N=4)			
Other Infection (N=26,416)	5.8%	24.5%	4.7%
Polio (N=3)			
Salmonella (N=15)	13.3%	13.3%	6.7%
Septicemia (N=2,042)	27.8%	33.7%	1.5%
Shigellosis (N=8)	0%	12.5%	0%
Syphilis (N=620)	4.4%	18.5%	3.4%
Viral Hepatitis (N=206)	14.1%	15.0%	3.4%

Table 7 Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) for Infectious Disease 2021

Disease	Hospitalization	ER	Urgent Care
Certain Intestinal Infections (N=1,667)	10.4%	23.0%	2.2%
HIV (N=59)	10.2%	16.9%	3.4%
Malaria (N=52)	82.7%	0%	0%
Measles (N=1)			
Meningitis (N=0)			
Other Infection (N=22,778)	7.0%	25.0%	3.8%
Polio (N=3)			
Salmonella (N=41)	29.3%	14.6%	0%
Septicemia (N=1,763)	32.7%	37.5%	1.2%
Shigellosis (N=3)			
Syphilis (N=867)	7.6%	20.6%	4.5%
Viral Hepatitis (N=183)	14.8%	14.2%	2.2%

Neoplasms

Chart 15 Leading Neoplasm Site ER Visits, Both Genders



*Only males were included in the calculation of this rate

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

Chart 16 Neoplasm Hospitalizations

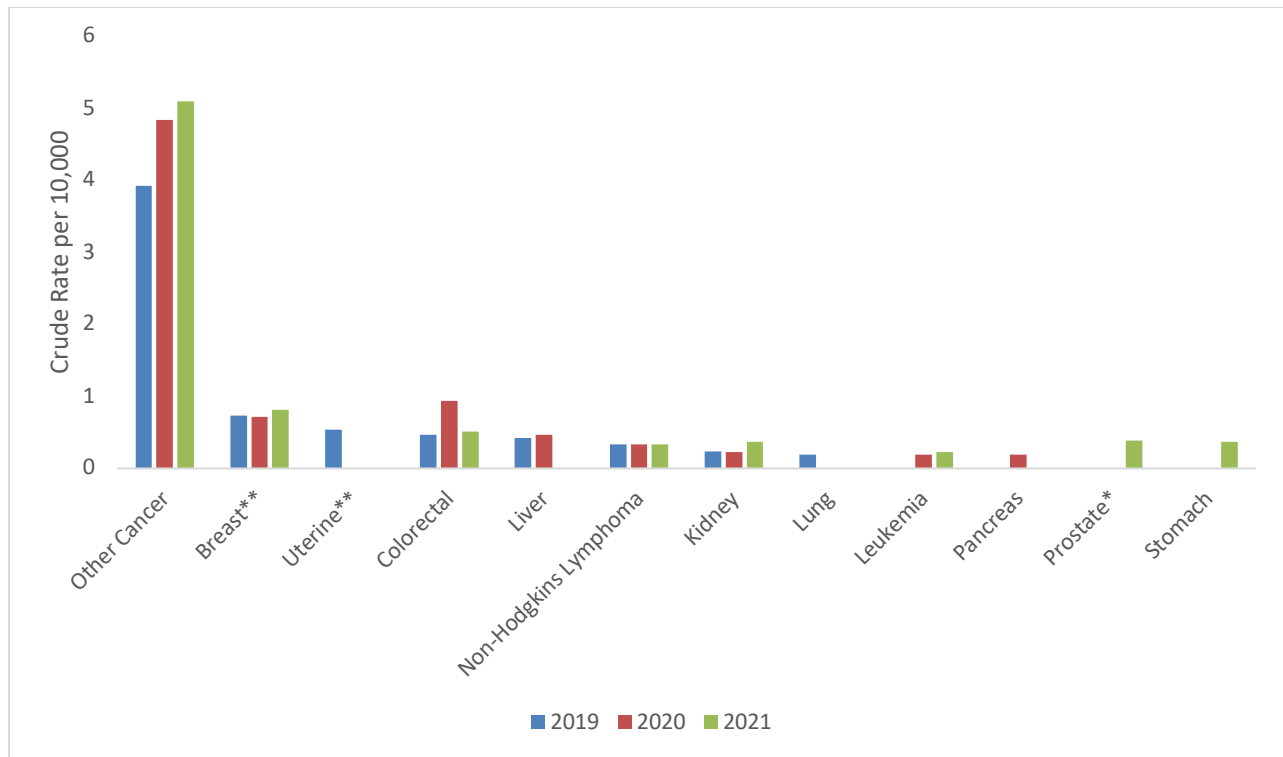


Table 8 Neoplasm ER Visits, Both Genders

Cancer Site	2018	2019	2020	2021	Movement
Lip, Oral & Pharynx	NA	0	0	0	NA
Esophagus	NA	NA	NA	NA	NA
Stomach	0.46 (0.14, 0.78)	0.35	0.22	0.34	↔
Colorectal	0.77 (0.36, 1.17)	0.57	0.47	0.49	↔
Liver	0.78 (0.38, 1.18)	0.27	0.38	0.35	↔
Pancreas	0.44 (0.15, 0.73)	0.34	0.56	0.35	↔
Larynx	NA	0	0	0	NA
Lung	0.58 (0.23, 0.92)	0.21	0.26	NA	NA
Melanoma	NA	NA	0	0	NA
Breast*	1.82 (0.97, 2.67)	1.80	0.57	0.89	↔
Cervical*	NA	0	0	NA	NA
Uterine*	NA	0.50	NA	NA	
Ovary*	NA	0.65	0.54	NA	NA
Prostate**	1.87 (0.98, 2.77)	0.64	NA	0.38	↓

Cancer Site	2018	2019	2020	2021	Movement
Kidney	1.21 (0.68, 1.73)	0.77	0.36	0.50	↔
Bladder	NA	0	0	0	NA
Brain	NA	NA	NA	0	NA
Hodgkin's	NA	NA	NA	0	NA
Non-Hodgkin's	0.27 (0.03, 0.51)	0.32	0.48	0.38	↔
Multiple Myeloma	NA	0	0	0	
Leukemia	0.60 (0.26, 0.95)	0.33	0.48	0.33	↔
Lymphoid	NA	NA	0	0	
Other	6.12 (4.99, 7.25)	5.41	4.21	3.54	↓

*Female only

**Male only

Table 9 Neoplasm ER Visits, by Gender

Cancer Site	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Lip, Oral & Pharynx	0	0	0	0	0	0
Esophagus	0	NA	NA	NA	0	NA
Stomach	NA	0.38	NA	NA	0	0.70
Colorectal	NA	1.05	0.58	NA	0.42	0.56
Liver	NA	NA	NA	0.41	0.59	NA
Pancreas	NA	0.70	NA	0.89	NA	0.45
Larynx	0	0	0	0	0	0
Lung	0.30	NA	NA	NA	NA	NA
Melanoma	NA	NA	0	0	0	0
Breast*	1.80		0.57		0.89	
Cervical*	0		0		NA	
Uterine*	0.5		NA		NA	
Ovary*	0.65		0.54		NA	
Prostate**		0.64		NA		0.38
Kidney	0	1.16	NA	0.5	0	1.02
Bladder	0	0	0	0	0	0
Brain	0	NA	0	NA	0	0
Hodgkin's	0	NA	0	NA	0	0
Non-Hodgkin's	0.42	NA	NA	0.77	NA	NA
Multiple Myeloma	0	0	0	0	0	0
Leukemia	0.35	NA	NA	0.78	NA	NA
Lymphoid	NA	NA	0	0	0	0
Other	5.03	5.79	5.53	2.83	4.89	2.14

Table 10 Neoplasm Hospitalization, Both Genders

Cancer Site	2018	2019	2020	2021	Movement
Lip, Oral & Pharynx	NA	0	0	0	NA
Esophagus	NA	NA	0	0	NA
Stomach	0.50 (0.17, 0.82)	NA	NA	0.38	↔
Colorectal	0.90 (0.37, 1.34)	0.45	0.98	0.51	↔
Liver	0.34 (0.07, 0.61)	0.50	0.51	NA	NA
Pancreas	NA	0	0.22	NA	NA
Larynx	NA	0	0	0	↔
Lung	0.34 (0.07, 0.61)	0.23	NA	NA	NA
Melanoma	NA	0	0	NA	↔
Breast*	1.67 (0.78, 2.55)	0.83	0.91	0.89	↔
Cervical*	NA	NA	0	NA	↔
Uterine*	NA	0.67	NA	NA	NA
Ovary*	0.78 (0.19, 1.36)	0	NA	NA	NA
Prostate**	0.91 (0.28, 1.54)	NA	NA	0.38	↔
Kidney	0.61 (0.25, 0.98)	0.26	0.23	0.36	↔
Bladder	NA	NA	0	NA	NA
Brain	NA	NA	NA	NA	NA
Hodgkin's	NA	NA	0	0	↔
Non-Hodgkin's	0.29 (0.03, 0.54)	0.36	0.35	0.35	↔
Multiple Myeloma	NA	0	0		
Leukemia	0.38 (0.09, 0.66)	NA	0.22	0.22	↔
Lymphoid	NA	NA	0	0	NA
Other	6.13 (4.98, 7.28)	4.19	5.22	5.30	↔

Table 11 Neoplasm Hospitalization, by Gender

Cancer Site	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Lip, Oral & Pharynx	0	0	0	0	0	0
Esophagus	NA	0	0	0	0	0
Stomach	NA	NA	0	NA	NA	0.69
Colorectal	0.53	0.37	1.23	0.72	NA	0.65
Liver	0.60	0.38	0.54	0.48	NA	NA
Pancreas	0	0	NA	NA	NA	0

Cancer Site	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Larynx	0	0	0	0	0	0
Lung	NA	NA	NA	NA	0	NA
Melanoma	0	0	0	0	0	NA
Breast*	0.83		0.91		0.89	
Cervical*	NA		0		NA	
Uterine*	0.67		NA		NA	
Ovary*	0		NA		NA	
Prostate**		NA		NA		0.38
Kidney	0	0.53	NA	0.33	0	0.73
Bladder	0	NA	0	0	0	NA
Brain	0	NA	0	NA	0	NA
Hodgkin's	NA	0	0	0	0	0
Non-Hodgkin's	NA	0.41	NA	NA	0.48	0
Multiple Myeloma	0	0	0	0	0	0
Leukemia	0	NA	NA	NA	NA	NA
Lymphoid	0	NA	0	0	0	0
Other	5.13	3.20	6.87	3.49	6.01	4.56

Table 12 Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) for Neoplasm 2019

Cancer Site	Hospitalization	ER	Urgent Care
Lip, Oral & Pharynx (N=0)			
Esophagus (N=11)	9.1%	9.1%	0%
Stomach (N=81)	2.5%	8.6%	1.2%
Colorectal (N=297)	3.4%	4.0%	1.7%
Liver (N=86)	10.5%	5.8%	3.5%
Pancreas (N=49)	0%	12.2%	4.1%
Larynx (N=3)			
Lung (N=50)	8.0%	10.0%	0%
Melanoma (N=20)	0%	15.0%	0%
Breast* (N=446)	1.8%	4.0%	1.1%
Cervical* (N=30)	3.3%	0%	3.3%
Uterine* (N=66)	9.1%	7.6%	1.5%
Ovary* (N=55)	0%	12.7%	1.8%
Prostate** (N=89)	3.4%	7.9%	2.2%
Kidney (N=139)	3.6%	10.8%	1.4%
Bladder (N=21)	4.8%	0%	9.5%
Brain (N=9)	11.1%	11.1%	0%
Hodgkin's (N=16)	6.3%	12.5%	0%
Non-Hodgkin's (N=143)	4.9%	4.2%	0.7%
Multiple Myeloma (N=0)			
Leukemia (N=83)	2.4%	8.4%	3.6%
Lymphoid (N=10)	10.0%	30.0%	0%
Other (N=1,172)	7.1%	8.9%	1.7%

Table 13 Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) for Neoplasm 2020

Cancer Site	Hospitalization	ER	Urgent Care
Lip, Oral & Pharynx (N=0)			
Esophagus (N=13)	0%	15.4%	0%
Stomach (N=50)	2.0%	8.0%	0%
Colorectal (N=242)	8.3%	3.7%	0%
Liver (N=73)	13.7%	9.6%	1.4%
Pancreas (N=61)	6.6%	18.0%	1.6%
Larynx (N=0)			
Lung (N=52)	5.8%	9.6%	0%
Melanoma (N=9)	0%	0%	0%
Breast* (N=319)	2.5%	1.9%	0.3%
Cervical* (N=12)	0%	0%	0%
Uterine* (N=54)	5.6%	1.9%	1.9%
Ovary* (N=49)	4.1%	10.2%	0%
Prostate** (N=73)	4.1%	1.4%	5.5%
Kidney (N=121)	4.1%	5.8%	1.7%
Bladder (N=18)	0%	0%	0%
Brain (N=33)	6.1%	3.0%	0%
Hodgkin's (N=4)			
Non-Hodgkin's (N=122)	5.7%	8.2%	1.6%
Multiple Myeloma (N=0)			
Leukemia (N=59)	6.8%	15.3%	1.7%
Lymphoid (N=6)	0%	0%	0%
Other (N=514)	20.0%	15.4%	2.1%

Table 14 Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) for Neoplasm 2021

Cancer Site	Hospitalization	ER	Urgent Care
Lip, Oral & Pharynx (N=0)			
Esophagus (N=15)	0%	6.7%	0%
Stomach (N=67)	11.9%	11.9%	0%
Colorectal (N=238)	4.6%	3.8%	0.4%
Liver (N=49)	4.1%	14.3%	2.0%
Pancreas (N=45)	8.9%	15.6%	0%
Larynx (N=0)			
Lung (N=47)	2.1%	6.4%	0%
Melanoma (N=16)	12.5%	0%	6.3%
Breast* (N=310)	2.9%	2.9%	0.6%
Cervical* (N=18)	11.1%	5.6%	0%
Uterine* (N=75)	5.3%	2.7%	0%
Ovary* (N=38)	7.9%	2.6%	0%
Prostate** (N=77)	5.2%	5.2%	0%
Kidney (N=134)	6.0%	9.0%	1.5%
Bladder (N=6)	16.7%	0%	0%
Brain (N=17)	5.9%	0%	11.8%
Hodgkin's (N=3)			
Non-Hodgkin's (N=109)	6.4%	7.3%	0%
Multiple Myeloma (N=0)			
Leukemia (N=58)	8.6%	10.3%	5.2%
Lymphoid (N=3)			
Other (N=834)	13.1%	8.3%	1.2%

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

Chart 17 Diseases of the blood and blood forming organs ER Visits, Both Genders

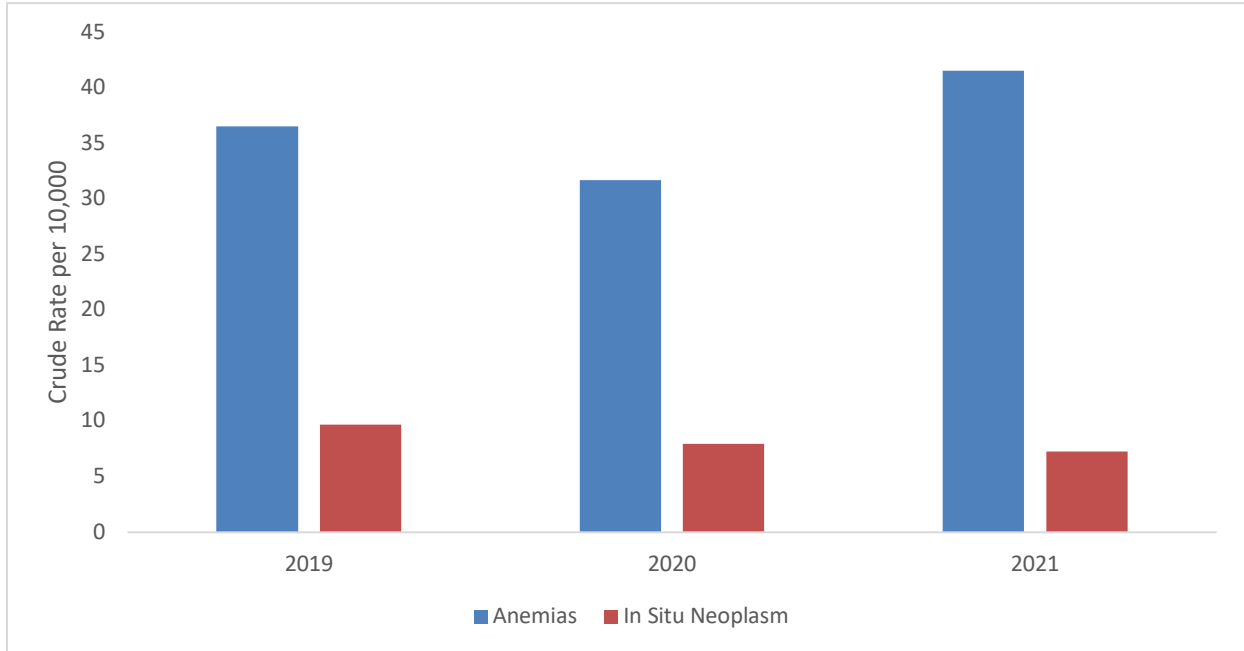


Chart 18 Diseases of the blood and blood forming organs Hospitalization, Both Genders

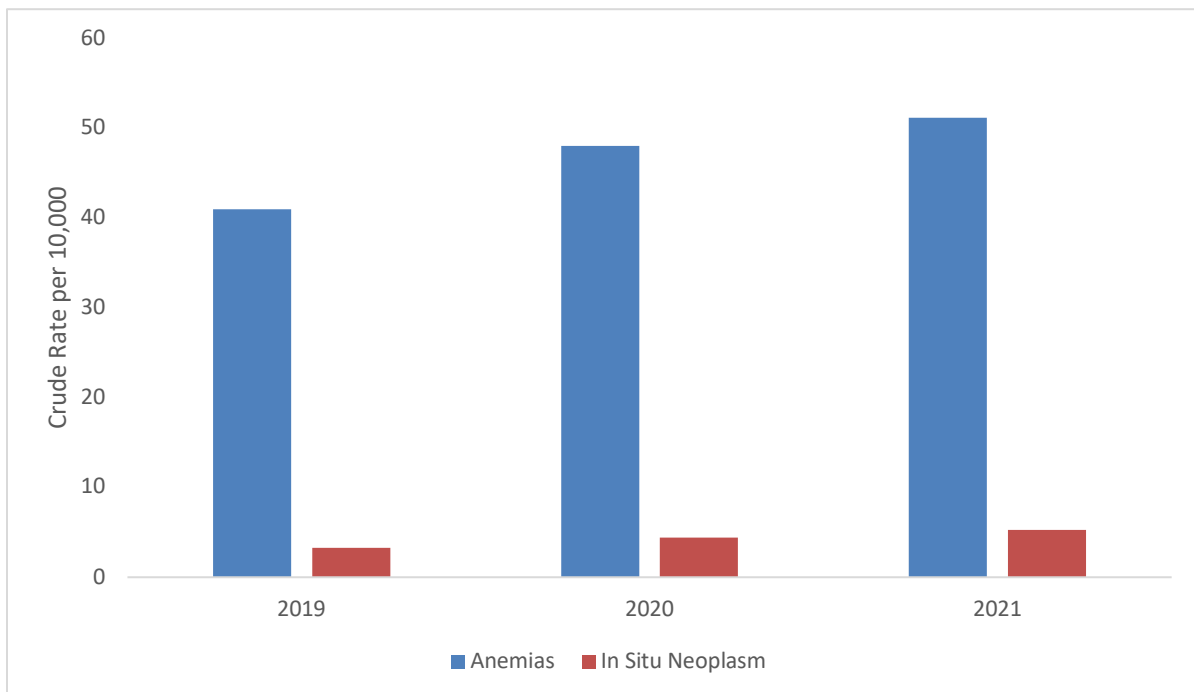


Table 15 Diseases of the blood and blood forming organs and certain disorders involving the immune system ER Visits, Both Genders

Condition	2018	2019	2020	2021	Movement
In Situ Neoplasm	8.76 (7.39, 10.13)	10.69	8.99	8.04	↔
Anemias	62.06 (58.35, 65.76)	40.49	35.31	46.76	↓

Table 16 Diseases of the blood and blood forming organs and certain disorders involving the immune system ER Visits, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
In Situ Neoplasm	13.46	7.81	12.07	5.59	9.67	6.34
Anemias	48.87	31.77	40.86	29.53	51.52	41.79

Table 17 Diseases of the blood and blood forming organs and certain disorders involving the immune system Hospitalizations, Both Genders

Condition	2018	2019	2020	2021	Movement
In Situ Neoplasm	5.85 (4.72, 6.98)	3.59	4.81	5.68	↔
Anemias	67.50 (63.63, 71.38)	44.82	53.36	55.88	↓

Table 18 Diseases of the blood and blood forming organs and certain disorders involving the immune system Hospitalizations, By Gender

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
In Situ Neoplasm	4.21	2.95	4.68	4.94	6.74	4.58
Anemias	54.85	34.38	67.05	37.07	68.06	43.21

Table 19 Diseases of the blood and blood forming organs and certain disorders involving the immune system Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) for Neoplasm 2019

Condition	Hospitalization	ER	Urgent Care
In Situ Neoplasm (N=6,201)	1.1%	3.3%	1.3%
Anemias (N=7,820)	11.1%	9.9%	1.8%

Table 20 Diseases of the blood and blood forming organs and certain disorders involving the immune system Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) for Neoplasm 2020

Condition	Hospitalization	ER	Urgent Care
In Situ Neoplasm (N=3,393)	2.8%	5.0%	1.9%
Anemias (N=6,369)	16.0%	10.6%	3.4%

Table 21 Diseases of the blood and blood forming organs and certain disorders involving the immune system Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) for Neoplasm 2021

Condition	Hospitalization	ER	Urgent Care
In Situ Neoplasm (N=3,393)	2.5%	3.5%	0.9%
Anemias (N=6,369)	16.4%	13.3%	1.9%

Endocrine, nutritional and metabolic diseases

Chart 19 Endocrine, nutritional and metabolic diseases ER Visits, Both Genders

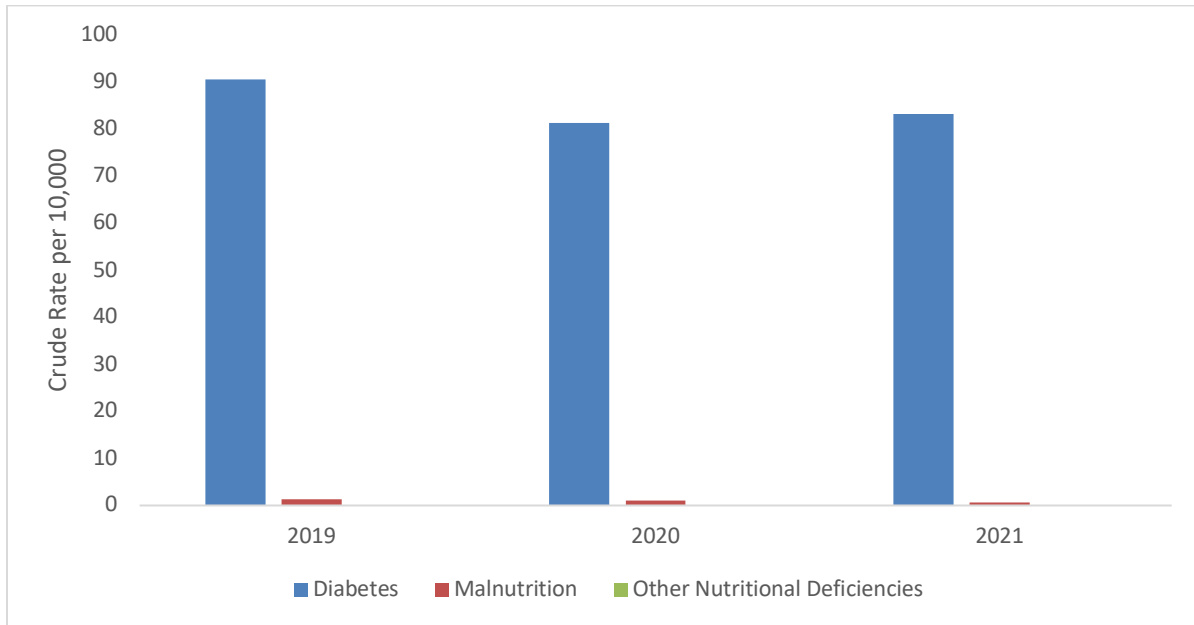


Chart 20 Endocrine, nutritional and metabolic diseases Hospitalization, Both Genders

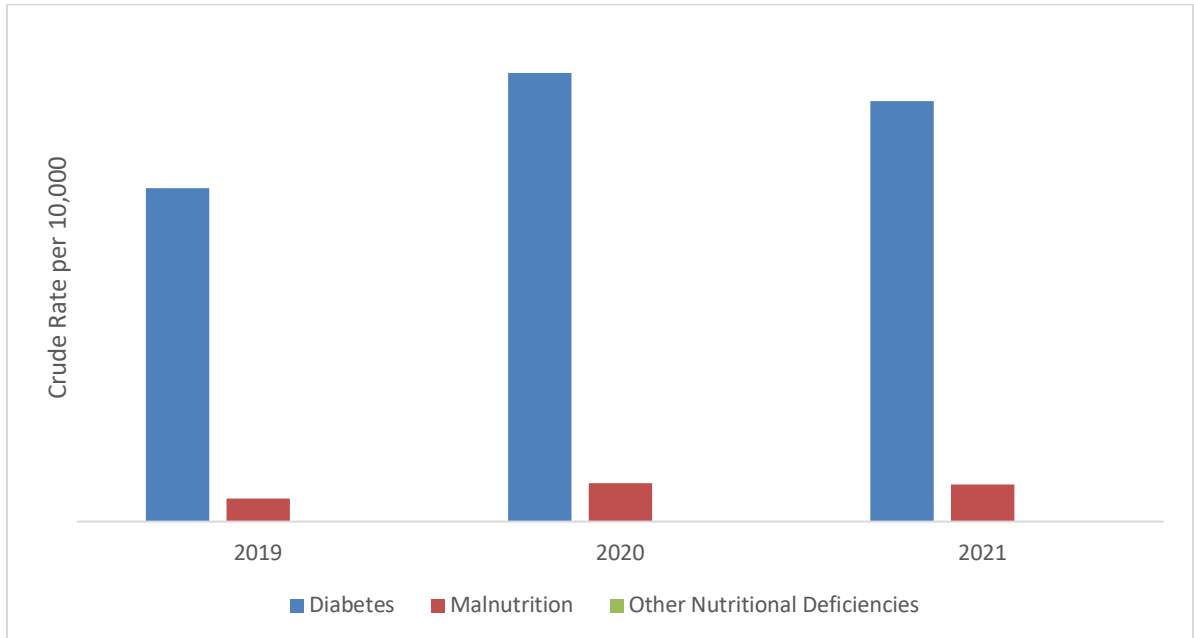


Table 22 Endocrine, nutritional and metabolic diseases ER Visits, Both Genders

Condition	2018	2019	2020	2021	Movement
Diabetes	174.9 (168.7, 181.0)	100.4	89.74	90.99	↓
Malnutrition	1.28 (0.74, 1.83)	1.44	1.16	0.69	↔
Other Nutritional Deficiencies	0	0	0	0	↔

Table 23 Endocrine, nutritional and metabolic diseases ER Visits, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Diabetes	88.43	112.8	75.61	104.4	77.83	104.7
Malnutrition	1.57	1.30	1.14	1.19	0.69	0.68
Other Nutritional Deficiencies	0	0	0	0	0	0

Table 24 Endocrine, nutritional and metabolic diseases Hospitalization, Both Genders

Condition	2018	2019	2020	2021	Movement
Diabetes	95.94 (91.34, 100.5)	52.48	69.95	65.92	↓
Malnutrition	5.63 (4.50, 6.76)	3.85	6.03	5.84	↔
Other Nutritional Deficiencies	0	0	0	0	↔

Table 25 Endocrine, nutritional and metabolic diseases Hospitalization, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Diabetes	44.19	61.10	62.57	77.63	53.76	78.57
Malnutrition	3.83	3.88	6.28	5.77	5.40	6.30
Other Nutritional Deficiencies	0	0	0	0	0	0

Table 26 Endocrine, nutritional and metabolic diseases Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2019

Condition	Hospitalization	ER	Urgent Care
Diabetes (N=20,014)	5.1%	9.6%	2.7%
Malnutrition (N=361)	19.4%	7.5%	2.2%
Other Nutritional Deficiencies (N=0)			

Table 27 Endocrine, nutritional and metabolic diseases Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2020

Condition	Hospitalization	ER	Urgent Care
Diabetes (N=15,748)	8.7%	11.0%	3.6%
Malnutrition (N=373)	31.4%	6.2%	0.5%
Other Nutritional Deficiencies (N=0)			

Table 28 Endocrine, nutritional and metabolic diseases Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) for Neoplasm 2021

Condition	Hospitalization	ER	Urgent Care
Diabetes (N=17,522)	7.4%	10.1%	2.2%
Malnutrition (N=315)	36.2%	4.4%	1.0%
Other Nutritional Deficiencies (N=0)			

Mental and behavioral disorders

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

Chart 21 Mental & Behavioral Disorder ER Visit Rates

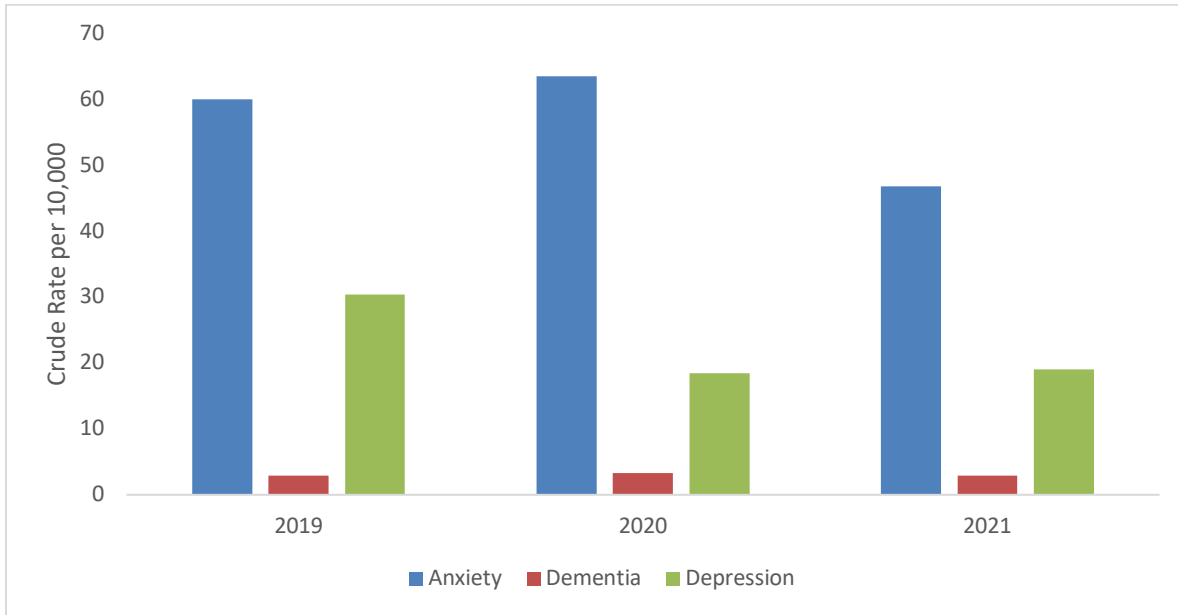


Chart 22 Mental & Behavioral Disorder Hospitalization Rates

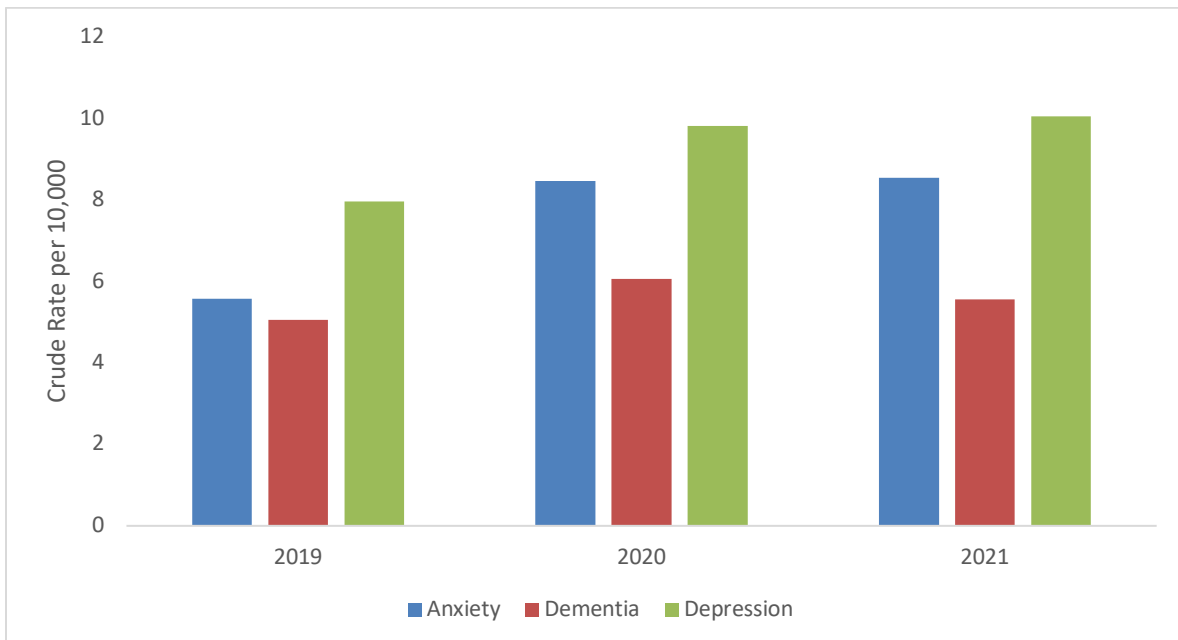


Table 29 Mental & Behavioral Disorder ER Visit Rates

Condition	2018	2019	2020	2021	Movement
Anxiety	NA	64.81	63.55	50.87	↓
Dementia	5.95 (4.75, 7.15)	3.37	3.78	3.20	↓
Depression	NA	31.15	19.53	19.73	↓

Table 30 Mental & Behavioral Disorder ER Visit Rates, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Anxiety	73.21	56.07	76.87	61.45	53.83	47.80
Dementia	3.39	3.35	4.23	3.30	3.80	2.58
Depression	29.8	32.55	16.82	22.35	18.73	20.77

Table 31 Mental & Behavioral Disorder Hospitalization Rates

Condition	2018	2019	2020	2021	Movement
Anxiety	NA	6.17	9.37	9.54	↑
Dementia	12.35 (10.64, 14.06)	5.91	7.20	6.28	↓
Depression	NA	8.81	10.85	10.90	↔

Table 32 Mental & Behavioral Disorder Hospitalization Rates, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Anxiety	5.88	6.48	11.43	7.22	10.61	8.42
Dementia	6.88	4.89	9.78	4.51	7.08	5.45
Depression	8.46	9.18	12.34	9.30	11.88	9.87

Table 33 Mental & Behavioral Disorder Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2019

Condition	Hospitalization	ER	Urgent Care
Anxiety (N=5733)	2.1%	22.2%	3.3%
Dementia (N=707)	15.1%	8.6%	2.0%
Depression (N=7398)	2.3%	8.7%	1.2%

Table 34 Mental & Behavioral Disorder Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2020

Condition	Hospitalization	ER	Urgent Care
Anxiety (N=5864)	3.1%	23.1%	4.3%
Dementia (N=605)	21.3%	11.6%	2.5%
Depression (N=5,217)	4.0%	7.5%	1.3%

Table 35 Mental & Behavioral Disorder Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2020

Condition	Hospitalization	ER	Urgent Care
Anxiety (N=5127)	3.6%	19.6%	3.1%
Dementia (N=625)	19.0%	9.9%	1.4%
Depression (N=7311)	2.9%	5.6%	0.8%

Diseases of the nervous system

Chart 23 Diseases of the Nervous System ER Visits, Both Genders

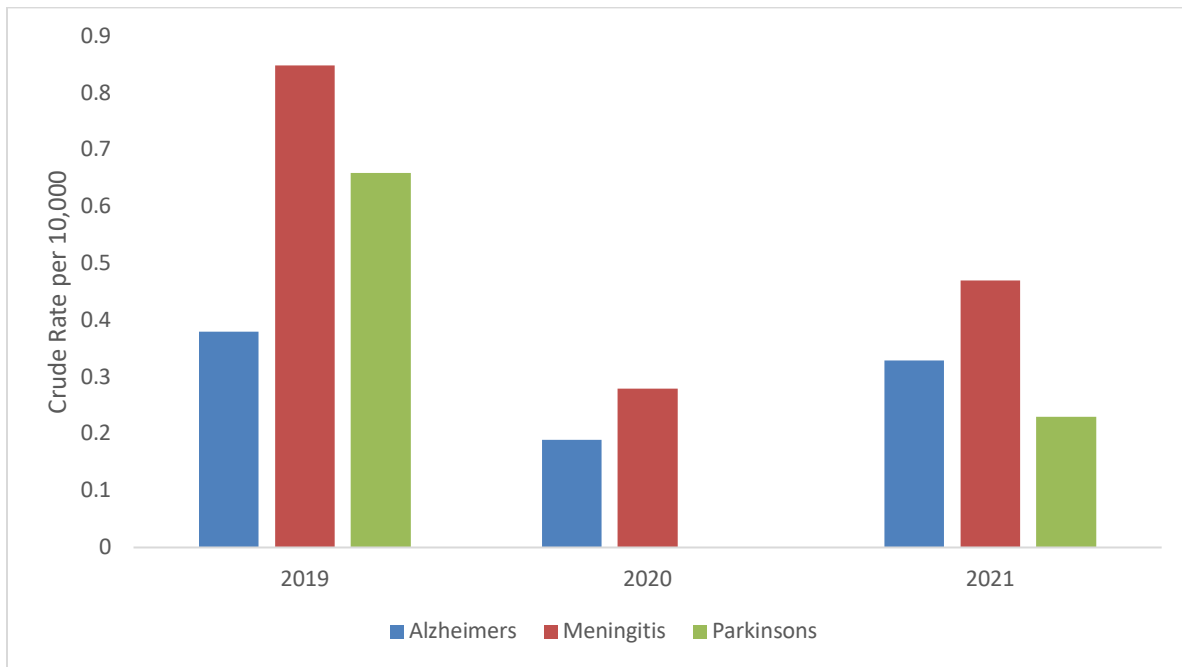


Chart 24 Diseases of the Nervous System Hospitalization, Both Genders

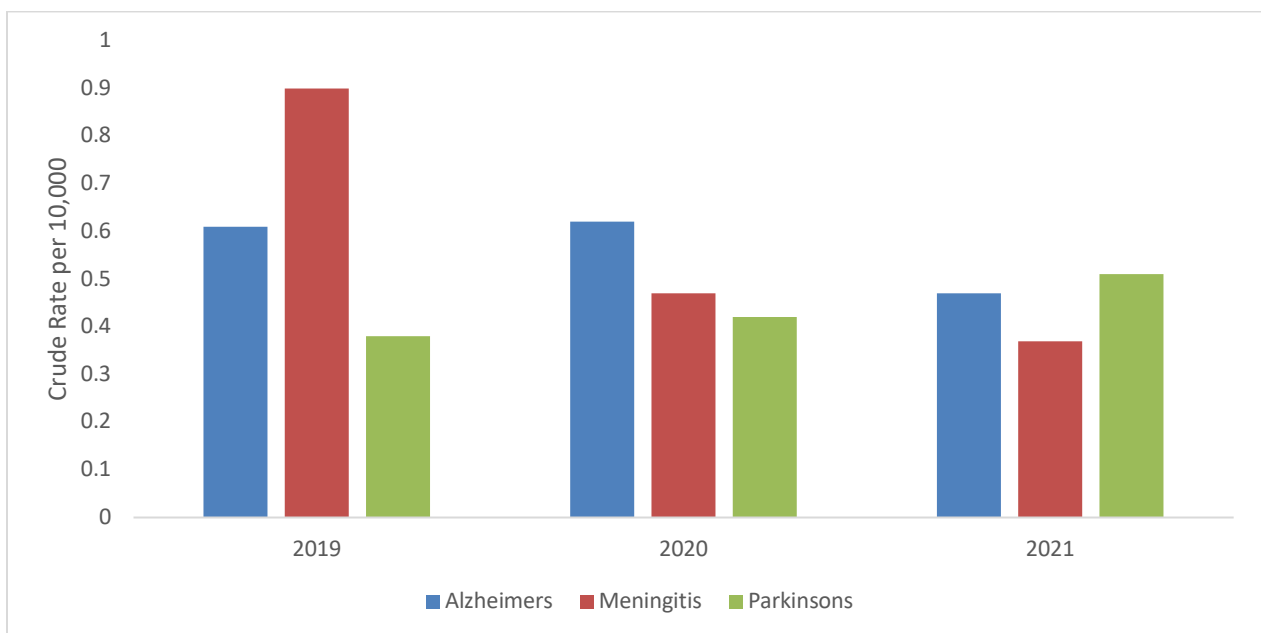


Table 36 Diseases of the Nervous System ER Visit Rates

Condition	2018	2019	2020	2021	Movement
Alzheimer's	0.58 (0.20, 0.96)	0.43	0.19	0.39	↔
Meningitis	0.46 (0.13, 0.79)	0.94	0.29	0.52	↔
Parkinson's	1.22 (0.69, 1.74)	0.68	NA	0.24	↓

Table 37 Mental & Behavioral Disorder ER Visit Rates, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Alzheimer's	NA	0.62	NA	0.38	0.67	NA
Meningitis	0.85	1.03	NA	0.46	0.63	NA
Parkinson's	0.75	0.61	NA	NA	NA	0.38

Table 38 Diseases of the Nervous System Hospitalization Rates

Condition	2018	2019	2020	2021	Movement
Alzheimer's	1.49 (0.88, 2.10)	0.71	0.75	0.55	↔
Meningitis	0.88 (0.47, 1.30)	0.92	0.45	0.40	↔
Parkinson's	0.86 (0.42, 1.30)	0.38	0.43	0.54	↔

Table 39 Diseases of the Nervous System Hospitalization Rates, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Alzheimer's	0.70	0.72	1.27	NA	0.80	NA
Meningitis	0.89	0.95	0.54	0.36	NA	0.52
Parkinson's	NA	0.69	0.56	NA	0.53	0.55

Table 40 Diseases of the Nervous System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2019

Condition	Hospitalization	ER	Urgent Care
Alzheimer's (N=96)	13.5%	8.3%	3.1%
Meningitis (N=59)	32.2%	30.5%	0%
Parkinson's (N=152)	5.3%	9.2%	2.6%

Table 41 Diseases of the Nervous System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2020

Condition	Hospitalization	ER	Urgent Care
Alzheimer's (N=70)	18.6%	5.7%	1.4%
Meningitis (N=35)	28.6%	17.1%	0%
Parkinson's (N=93)	9.7%	2.2%	2.2%

Table 42 Diseases of the Nervous System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2021

Condition	Hospitalization	ER	Urgent Care
Alzheimer's (N=71)	14.1%	9.9%	1.4%
Meningitis (N=30)	26.7%	33.3%	0%
Parkinson's (N=106)	10.4%	4.7%	0.9%

Diseases of the circulatory system

Chart 25 Diseases of the Circulatory System: Leading 5 causes of ER Visit, Both Genders

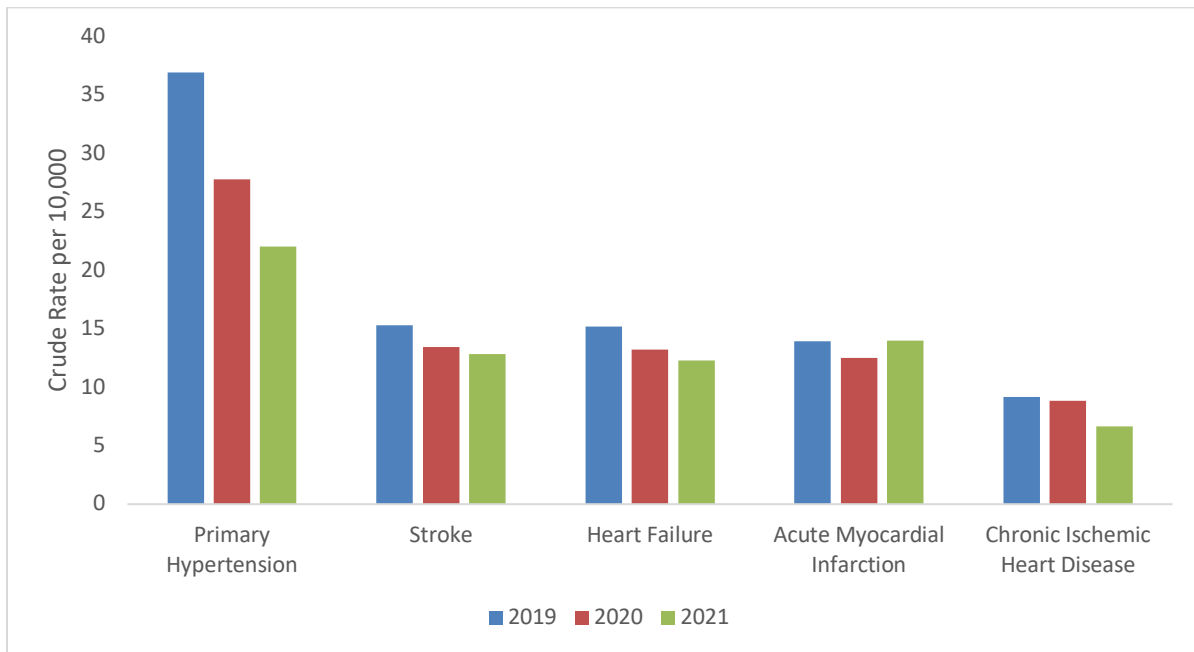


Chart 26 Diseases of the Circulatory System: Leading 5 causes of Hospitalization, Both Genders

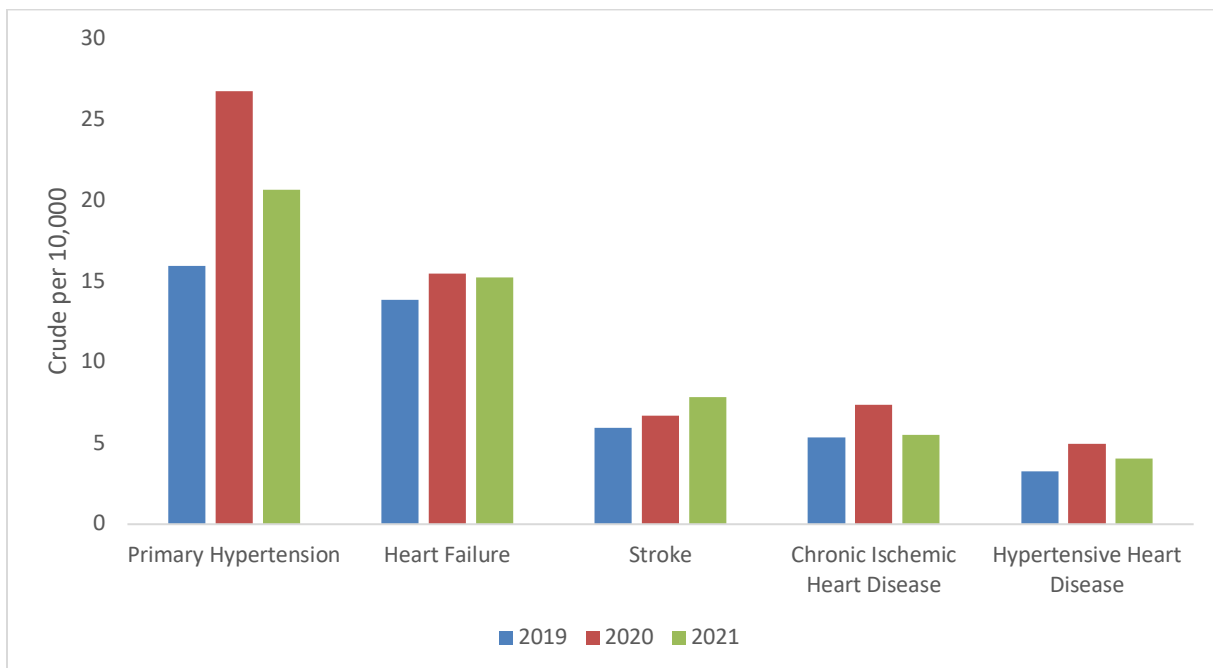


Table 43 Diseases of the Circulatory System ER Visit Rates

Condition	2018	2019	2020	2021	Movement
Rheumatic Heart Disease	0.24 (0.03, 0.44)	0.19	0.33	0.23	↔
Primary Hypertension	79.67 (75.51, 83.83)	36.95	27.81	22.06	↓
Hypertensive Heart Disease	2.26 (1.55, 2.98)	1.09	1.41	0.93	↓
Hypertensive Heart & Renal Disease	1.25 (0.72, 1.78)	0.99	0.99	0.79	↔
Chronic Ischemic Heart Disease	13.60 (11.91, 15.30)	9.15	8.83	6.68	↓
Acute Myocardial Infarction	15.46 (13.64, 17.28)	13.92	12.54	13.98	↔
Acute Ischemic Heart Disease	3.86 (2.95, 4.77)	3.16	3.05	2.15	↓
Atherosclerotic Cardiovascular Disease	0	0	0	0	↔
All Other Heart Disease	51.30 (47.93, 54.67)	39.35	41.10	41.18	↔
Pericarditis & Acute Myocarditis	1.33 (0.81, 1.86)	0.52	1.22	1.22	↔
Endocarditis		NA	NA	NA	NA
Heart Failure	26.30 (23.88, 28.72)	15.19	13.24	12.29	↓
Stroke	15.58 (13.74, 17.41)	15.29	13.43	12.85	↔
Atherosclerosis	0.76 (0.36, 1.17)	0.61	0.80	1.5	↔
Aortic Aneurysm	0.62 (0.25, 0.98)	0.66	0.19	0.42	↔
Diseases of the Artery	4.44 (3.46, 5.42)	3.59	2.72	3.04	↔
Other Diseases of the circulatory system	52.03 (48.69, 55.37)	42.47	37.63	33.42	↓

Table 44 Diseases of the Circulatory System ER Visit Rates, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Rheumatic Heart Disease	NA	NA	0.54	NA	NA	NA
Primary Hypertension	35.93	46.62	24.71	37.58	20.45	28.36
Hypertensive Heart Disease	1.69	0.76	1.47	1.73	0.49	1.45

	2019		2020		2021	
Hypertensive Heart & Renal Disease	1.32	0.89	0.59	1.37	0.29	1.28
Chronic Ischemic Heart Disease	7.97	12.03	7.16	11.12	5.68	7.88
Acute Myocardial Infarction	13.84	16.58	11.12	15.21	11.54	18.75
Acute Ischemic Heart Disease	2.70	4.02	2.90	3.55	1.55	2.95
Atherosclerotic Cardiovascular Disease	0	0	0	0	0	0
All Other Heart Disease	41.14	46.82	37.45	50.88	36.42	54.72
Pericarditis & Acute Myocarditis	0.41	0.68	0.85	1.81	1.16	1.41
Endocarditis	0	NA	NA	NA	NA	NA
Heart Failure	15.00	18.93	11.93	17.04	10.96	15.77
Stroke	16.27	17.43	12.95	15.66	12.87	15.10
Atherosclerosis	0.44	0.98	0.83	0.84	1.76	1.49
Aortic Aneurysm	0.73	0.82	NA	NA	NA	0.63
Diseases of the Artery	4.08	3.57	2.68	0.59	4.31	2.25
Other Diseases of the circulatory system	38.87	53.28	34.90	45.97	32.52	39.54

Table 45 Diseases of the Circulatory System Hospitalization Rates

Condition	2018	2019	2020	2021	Movement
Rheumatic Heart Disease	3.71 (2.80, 4.63)	2.76	2.57	3.96	↔
Primary Hypertension	49.91 (46.59, 53.22)	17.66	29.06	22.64	↓
Hypertensive Heart Disease	6.15 (4.99, 7.32)	3.83	5.49	4.50	↔
Hypertensive Heart & Renal Disease	4.43 (3.44, 5.43)	2.81	3.65	3.20	↔
Chronic Ischemic Heart Disease	16.53 (14.60, 18.46)	5.93	7.92	5.95	↓
Acute Myocardial Infarction	3.16 (2.31, 4.01)	2.72	2.87	2.70	↔
Acute Ischemic Heart Disease	0.28 (0.05, 0.51)	0.47	0.88	1.44	↑

Table continued on next page

Condition	2018	2019	2020	2021	Movement
Atherosclerotic Cardiovascular Disease					
All Other Heart Disease	35.13 (32.31, 37.94)	25.57	32.35	33.31	↔
Pericarditis & Acute Myocarditis	0.39 (0.10, 0.69)	NA	0.32	0.42	↔
Endocarditis	0.54 (0.19, 0.90)	NA	0.23	0.55	↔
Heart Failure	21.08 (18.87, 23.28)	15.68	17.37	16.70	↓
Stroke	11.23 (9.63, 12.83)	6.72	7.20	8.52	↔
Atherosclerosis	0.99 (0.51, 1.47)	1.00	1.00	2.70	↑
Aortic Aneurysm	0.53 (0.18, 0.88)	0.25	NA	NA	NA
Diseases of the Artery	3.32 (2.47, 4.18)	1.91	2.14	2.70	↔
Other Diseases of the circulatory system	27.08 (24.65, 29.51)	19.44	21.48	24.18	↔

Table 46 Diseases of the Circulatory System Hospitalization Rates, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Rheumatic Heart Disease	2.28	3.26	3.13	1.99	4.27	3.64
Primary Hypertension	14.69	20.75	26.30	31.93	19.48	25.93
Hypertensive Heart Disease	4.05	3.61	5.18	5.81	4.10	4.91
Hypertensive Heart & Renal Disease	3.03	2.59	2.54	4.80	3.11	3.29
Chronic Ischemic Heart Disease	4.82	7.09	5.71	10.22	5.69	6.23
Acute Myocardial Infarction	2.78	2.65	2.62	3.12	2.25	3.16
Acute Ischemic Heart Disease	NA	0.62	0.99	0.77	1.22	1.68
Atherosclerotic Cardiovascular Disease						
All Other Heart Disease	25.05	26.12	28.19	36.68	28.57	38.24

Table Continued on Next Page

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Pericarditis & Acute Myocarditis	NA	NA	0.42	NA	0.33	0.52
Endocarditis	NA	NA	NA	NA	NA	1.00
Heart Failure	15.90	15.46	14.76	20.09	14.99	18.47
Stroke	7.62	5.78	6.31	8.14	9.09	7.92
Atherosclerosis	1.18	0.81	0.98	1.29	1.94	3.50
Aortic Aneurysm	NA	NA	NA	NA	NA	NA
Diseases of the Artery	1.49	2.35	1.71	2.59	1.99	3.44
Other Diseases of the circulatory system	17.49	21.45	19.68	23.36	21.43	27.05

Table 47 Diseases of the Circulatory System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2019

Condition	Hospitalization	ER	Urgent Care
Rheumatic Heart Disease (N=821)	6.7%	0.5%	0.5%
Primary Hypertension (N=7,677)	4.4%	10.2%	3.2%
Hypertensive Heart Disease (N=600)	11.5%	3.8%	0.2%
Hypertensive Heart & Renal Disease (N=292)	17.8%	7.2%	0.3%
Chronic Ischemic Heart Disease (N=2,360)	4.8%	8.2%	1.8%
Acute Myocardial Infarction (N=833)	5.9%	35.4%	1.6%
Acute Ischemic Heart Disease (N=179)	5.0%	37.4%	1.7%
Atherosclerotic Cardiovascular Disease			
All Other Heart Disease (N=7,394)	6.6%	11.3%	1.6%
Pericarditis & Acute Myocarditis (N=91)	3.3%	12.1%	2.2%
Endocarditis (N=26)	15.4%	3.8%	0%
Heart Failure (N=2,128)	13.8%	15.1%	2.1%
Stroke (N=2,387)	5.3%	13.6%	1.3%
Atherosclerosis (N=688)	2.8%	1.9%	0.9%
Aortic Aneurysm (N=78)	6.4%	17.9%	2.6%
Diseases of the Artery (N=1,299)	2.9%	5.9%	1.2%
Other Diseases of the circulatory system (N=4,664)	8.2%	19.3%	2.9%

Table 48 Diseases of the Circulatory System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2020

Condition	Hospitalization	ER	Urgent Care
Rheumatic Heart Disease (N=503)	9.7%	1.4%	0.6%
Primary Hypertension (N=5,601)	10.2%	10.6%	4.9%
Hypertensive Heart Disease (N=347)	30.5%	8.6%	0.9%
Hypertensive Heart & Renal Disease (N=228)	31.6%	9.2%	2.2%
Chronic Ischemic Heart Disease (N=1,785)	8.8%	10.5%	2.4%
Acute Myocardial Infarction (N=765)	7.5%	34.9%	1.7%
Acute Ischemic Heart Disease (N=150)	11.3%	43.3%	1.3%
Atherosclerotic Cardiovascular Disease			
All Other Heart Disease (N=5,509)	11.4%	15.9%	2.1%
Pericarditis & Acute Myocarditis (N=88)	6.8%	29.5%	3.4%
Endocarditis (N=15)	33.3%	13.3%	13.3%
Heart Failure (N=1,686)	19.6%	16.7%	2.3%
Stroke (N=1,841)	7.8%	15.5%	1.8%
Atherosclerosis (N=575)	3.8%	3.0%	1.4%
Aortic Aneurysm (N=54)	5.6%	7.4%	1.9%
Diseases of the Artery (N=969)	4.3%	6.0%	1.5%
Other Diseases of the circulatory system (N=3,700)	11.4%	21.6%	2.9%

Table 49 Diseases of the Circulatory System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2021

Condition	Hospitalization	ER	Urgent Care
Rheumatic Heart Disease (N=705)	11.2%	0.7%	0.4%
Primary Hypertension (N=5,350)	8.3%	8.8%	4.1%
Hypertensive Heart Disease (N=279)	31.2%	7.2%	2.5%
Hypertensive Heart & Renal Disease (N=265)	24.2%	6.4%	0%
Chronic Ischemic Heart Disease (N=1,496)	7.9%	9.6%	2.5%
Acute Myocardial Infarction (N=635)	8.0%	47.1%	0%
Acute Ischemic Heart Disease (N=132)	20.5%	34.8%	12.1%
Atherosclerotic Cardiovascular Disease			
All Other Heart Disease (N=5,046)	12.8%	17.5%	1.7%
Pericarditis & Acute Myocarditis (N=82)	12.2%	31.7%	4.9%
Endocarditis (N=28)	35.7%	10.7%	0%
Heart Failure (N=1,628)	20.0%	16.2%	3.3%
Stroke (N=1,647)	10.2%	16.7%	1.1%
Atherosclerosis (N=504)	10.7%	6.3%	1.0%
Aortic Aneurysm (N=56)	5.4%	16.1%	0%
Diseases of the Artery (N=1029)	5.3%	6.3%	1.3%
Other Diseases of the circulatory system (N=3,720)	12.7%	19.2%	3.1%

Diseases of the respiratory system

Chart 27 Diseases of the Respiratory System, ER Visits

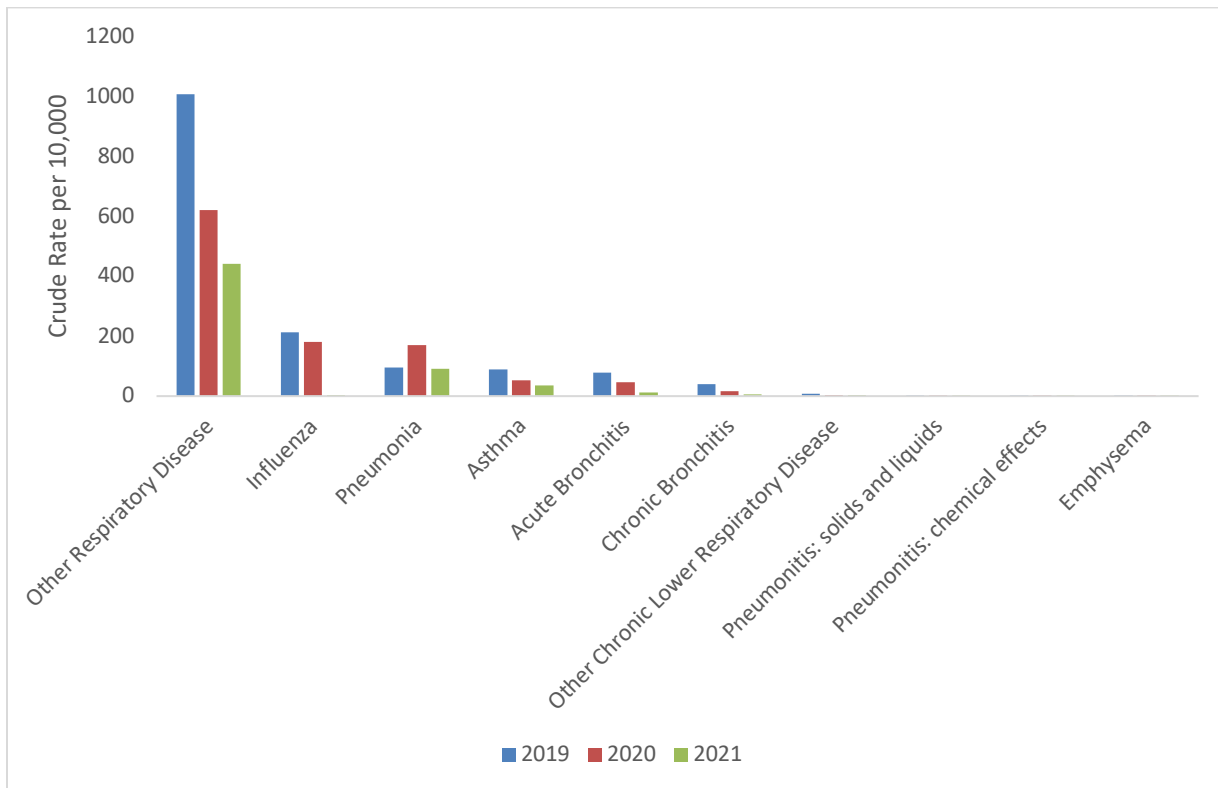


Chart 28 Diseases of the Respiratory Systems, Hospitalization

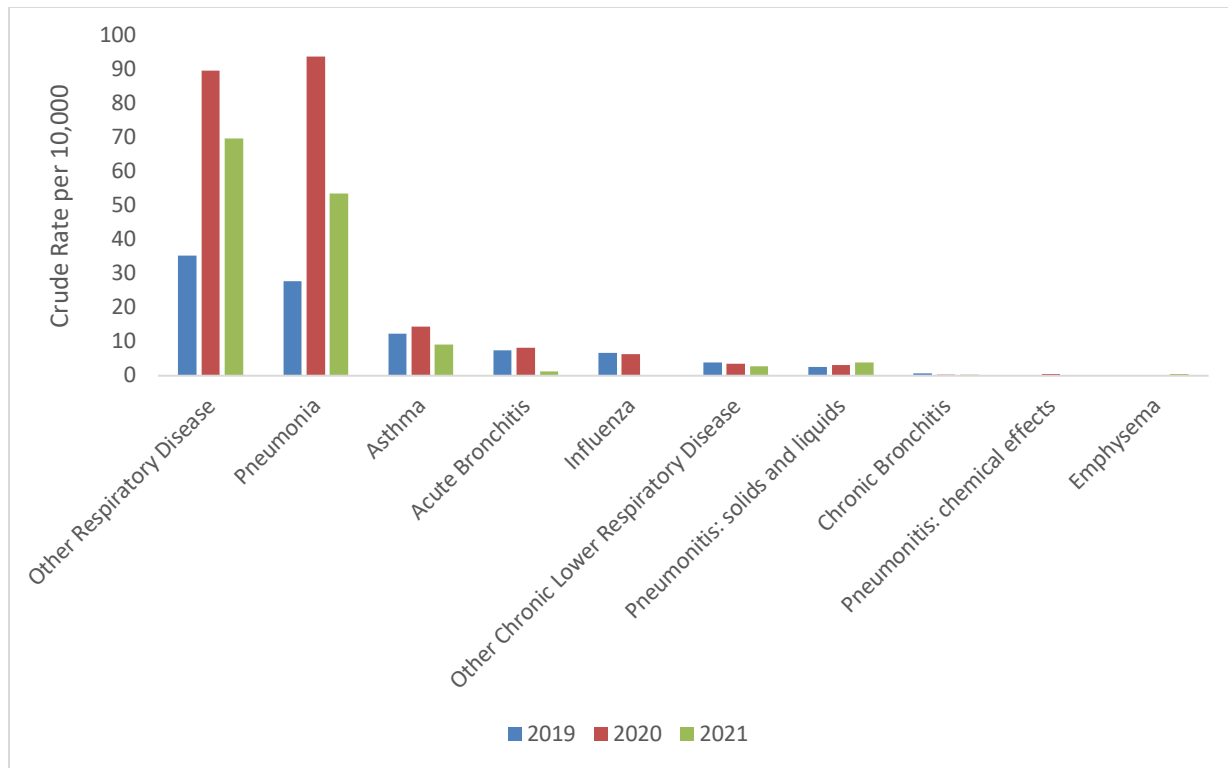


Table 50 Diseases of the Respiratory System ER Visit Rates

Condition	2018	2019	2020	2021	Movement
Other Respiratory Diseases	1117.4 (1102.4, 1132.4)	1014.7	641.1	450.1	↓
Influenza	108.3 (103.7, 112.9)	208.2	182.3	4.55	↓
Pneumonia	105.3 (100.6, 110.1)	99.33	181.9	96.89	↔
Acute Bronchitis	69.07 (65.34, 72.79)	78.95	46.31	13.16	↓
Unspecified Acute Lower Respiratory Infection	NA	0	0	0	NA
Chronic Bronchitis	42.61 (39.60, 45.62)	41.90	18.42	6.70	↓
Emphysema	0.32 (0.06, 0.57)	0.32	0.22	0.22	↔
Other Chronic Lower Respiratory Infection	14.70 (12.88, 16.52)	7.75	4.04	3.65	↓
Asthma	132.6 (127.4, 137.9)	91.16	54.79	36.30	↓

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Condition	2018	2019	2020	2021	Movement
Pneumoconiosis with chemical effect	0.89 (0.46, 1.33)	0.83	0.75	0.65	↔
Pneumonitis due to solids and liquids	2.44 (1.72, 3.16)	1.87	1.62	1.68	↔

Table 51 Diseases of the Respiratory System ER Visit Rates, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Other Respiratory Diseases	1188.8	833.4	737.8	540.5	498.5	399.8
Influenza	220.7	195.1	197.1	167.0	4.84	4.25
Pneumonia	100.3	98.33	186.0	177.7	96.65	97.14
Acute Bronchitis	85.97	71.65	47.56	45.00	12.65	13.70
Unspecified Acute Lower Respiratory Infection	0	0	0	0	0	0
Chronic Bronchitis	51.51	31.90	20.64	16.11	7.91	5.45
Emphysema	NA	0.65	NA	NA	0	0.45
Other Chronic Lower Respiratory Infection	8.47	7.00	4.75	3.30	3.98	3.32
Asthma	105.3	76.42	63.03	46.22	39.41	33.07
Pneumoconiosis with chemical effect	0.71	0.95	0.56	0.93	0.75	0.55
Pneumonitis due to solids and liquids	1.41	2.36	0.73	2.55	1.48	1.89

Table 52 Diseases of the Respiratory System Hospitalization Rates

Condition	2018	2019	2020	2021	Movement
Other Respiratory Diseases	52.03 (48.65, 55.42)	38.83	96.90	75.72	↑
Influenza	10.05 (8.58, 11.52)	7.00	6.85	NA	NA
Pneumonia	43.23 (40.16, 46.29)	30.00	100.1	57.53	↑
Acute Bronchitis	9.81 (8.48, 11.13)	6.81	7.63	1.24	↓

Table Continued on Next Page

Condition	2018	2019	2020	2021	Movement
Unspecified Acute Lower Respiratory Infection	NA	0	0	0	NA
Chronic Bronchitis	1.40 (0.83, 1.96)	0.71	0.13	0.32	↓
Emphysema	0.31 (0.04, 0.58)	NA	NA	0.48	↔
Other Chronic Lower Respiratory Infection	7.70 (6.38, 9.02)	4.48	3.78	2.73	↓
Asthma	20.29 (18.22, 22.37)	12.91	15.33	9.68	↓
Pneumoconiosis with chemical effect	0.28 (0.03, 0.53)	0.19	0.43	0.18	↔
Pneumonitis due to solids and liquids	5.17 (4.09, 6.25)	2.79	3.54	4.45	↔

Table 53 Diseases of the Respiratory System Hospitalization Rates, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Other Respiratory Diseases	40.27	37.34	101.1	92.58	69.44	82.25
Influenza	7.30	6.69	7.50	6.18	NA	NA
Pneumonia	26.84	33.29	103.2	96.92	56.68	58.40
Acute Bronchitis	5.72	7.95	6.82	8.48	0.71	1.79
Unspecified Acute Lower Respiratory Infection	0	0	0	0	0	0
Chronic Bronchitis	0.69	0.73	NA	0.56	0.43	NA
Emphysema	NA	NA	NA	NA	NA	0.66
Other Chronic Lower Respiratory Infection	4.47	4.50	3.59	3.98	2.56	2.91
Asthma	15.73	9.97	20.28	10.19	11.63	7.66
Pneumoconiosis with chemical effect	NA	NA	NA	0.88	NA	NA
Pneumonitis due to solids and liquids	1.18	4.46	2.47	4.66	2.63	6.35

Table 54 Diseases of the Respiratory System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2019

Condition	Hospitalization	ER	Urgent Care
Other Respiratory Diseases (N=66,499)	1.1%	32.1%	7.3%
Influenza (N=9354)	1.5%	48.5%	7.3%
Pneumonia (N=4823)	12.3%	41.5%	4.1%
Acute Bronchitis (N=3,493)	4.6%	47.6%	2.8%
Unspecified Acute Lower Respiratory Infection (N=0)			
Chronic Bronchitis (N=2013)	0.6%	41.5%	9.5%
Emphysema (n=58)	3.4%	12.1%	3.4%
Other Chronic Lower Respiratory Infection (N=719)	11.7%	21.1%	2.4%
Asthma (N=8,062)	3.3%	23.4%	4.6%
Pneumoconiosis with chemical effect (N=130)	3.1%	12.3%	4.6%
Pneumonitis due to solids and liquids (N=193)	29.0%	18.7%	1.0%

Table 55 Diseases of the Respiratory System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2020

Condition	Hospitalization	ER	Urgent Care
Other Respiratory Diseases (N=45,099)	4.2%	29.4%	5.2%
Influenza (N=7429)	1.8%	51.8%	6.8%
Pneumonia (N=8,590)	23.3%	42.2%	3.3%
Acute Bronchitis (N=2,226)	8.0%	44.2%	2.0%
Unspecified Acute Lower Respiratory Infection (N=0)			
Chronic Bronchitis (N=906)	0.9%	40.7%	10.4%
Emphysema (n=50)	6.0%	10.0%	0%
Other Chronic Lower Respiratory Infection (N=503)	14.5%	16.1%	3.4%
Asthma (N=5,527)	5.6%	20.2%	5.6%
Pneumoconiosis with chemical effect (N=73)	12.3%	20.5%	1.4%
Pneumonitis due to solids and liquids (N=179)	37.4%	17.3%	1.7%

Table 56 Diseases of the Respiratory System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2021

Condition	Hospitalization	ER	Urgent Care
Other Respiratory Diseases (N=31,635)	4.7%	29.9%	2.8%
Influenza (N=227)	0.9%	41.9%	7.9%
Pneumonia (N=4,783)	24.0%	40.4%	4.0%
Acute Bronchitis (N=585)	4.6%	47.4%	4.1%
Unspecified Acute Lower Respiratory Infection (N=0)			
Chronic Bronchitis (N=298)	2.3%	45.6%	7.4%
Emphysema (n=53)	18.9%	7.5%	0%
Other Chronic Lower Respiratory Infection (N=423)	13.7%	17.5%	2.1%
Asthma (N=3,728)	5.3%	20.3%	2.6%
Pneumoconiosis with chemical effect (N=80)	5.0%	16.3%	6.3%
Pneumonitis due to solids and liquids (N=176)	48.3%	19.3%	0.6%

Diseases of the digestive system

Chart 29 Diseases of the Digestive System ER Visits, Both Genders

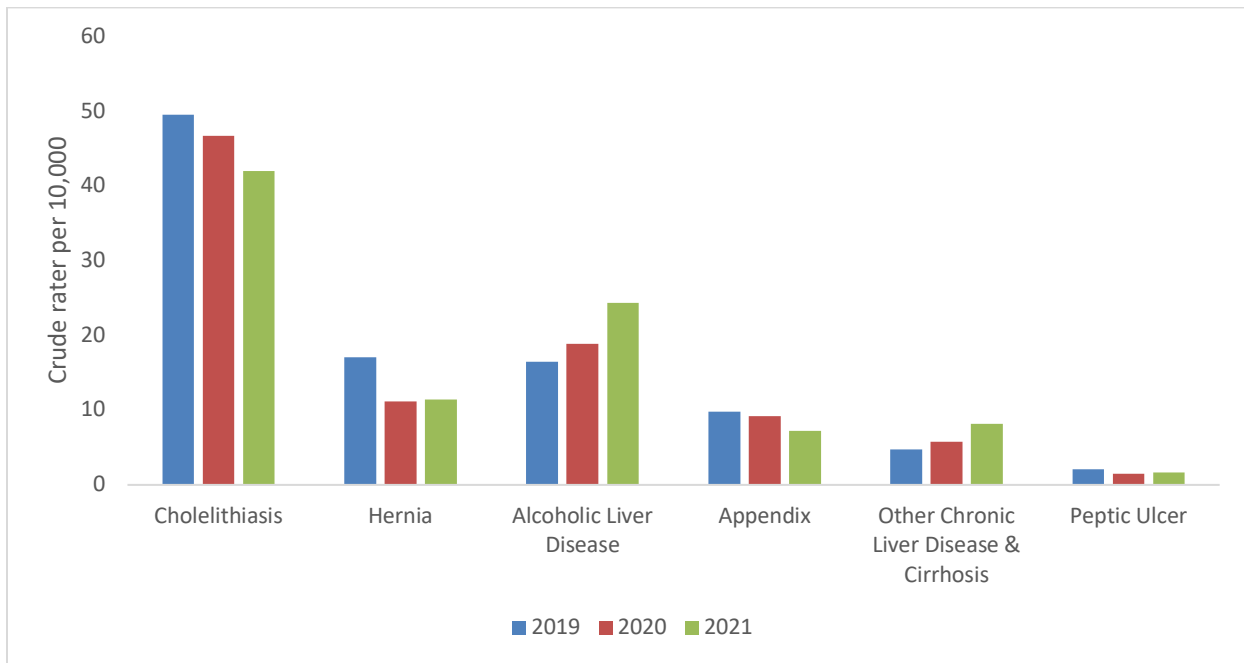


Chart 30 Diseases of the Digestive System Hospitalization, Both Genders

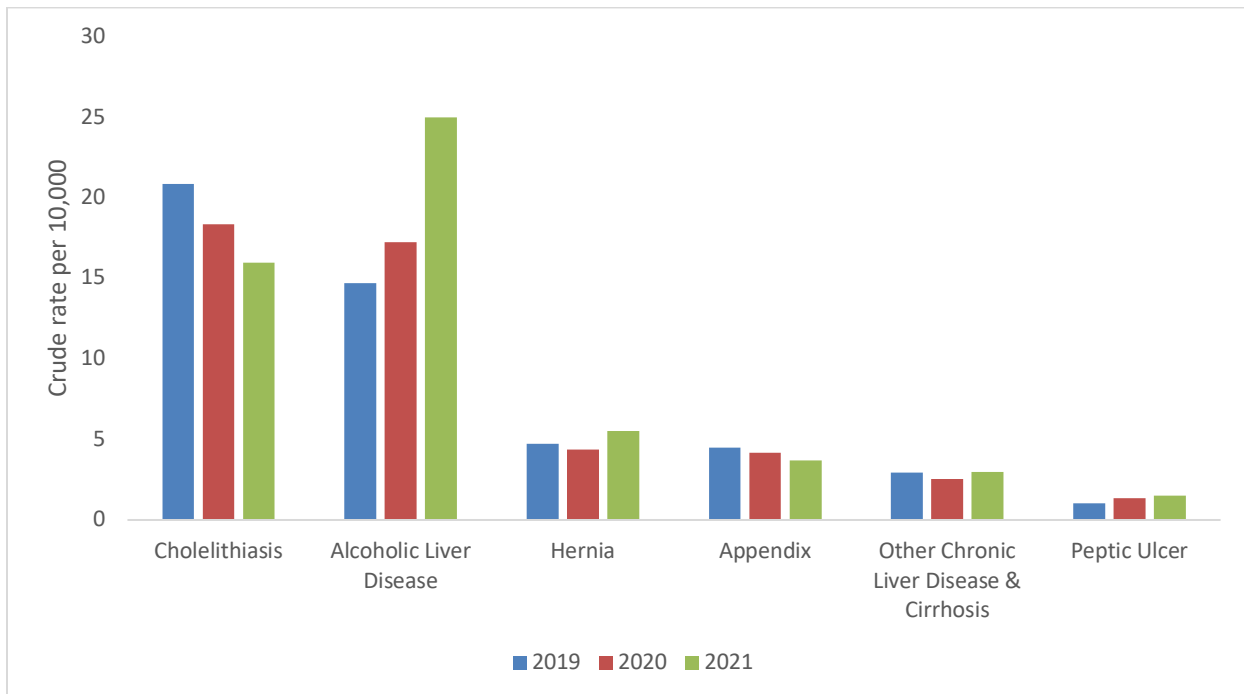


Table 57 Diseases of the Digestive System ER Visit Rates

Condition	2018	2019	2020	2021	Movement
Peptic Ulcer	2.25 (1.55, 2.95)	2.26	1.64	1.95	↔
Diseases of Appendix	9.74 (8.36, 11.13)	9.54	9.23	7.29	↔
Hernia	19.19 (17.12, 21.25)	19.43	12.21	12.76	↓
Alcohol Liver Disease	25.57 (23.15, 27.99)	19.21	21.93	28.96	↔
Other Chronic Liver Disease & Cirrhosis	7.14 (5.88, 8.41)	5.42	6.56	9.52	↔
Cholelithiasis and other disorders of the gallbladder	55.94 (52.42, 59.46)	54.00	50.04	44.57	↓

Table 58 Diseases of the Digestive System ER Visit Rates, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Peptic Ulcer	2.33	2.18	2.10	1.17	1.37	2.54
Diseases of Appendix	9.74	9.34	8.62	9.88	6.73	7.88
Hernia	18.13	20.77	12.36	12.05	11.40	14.17
Alcohol Liver Disease	11.99	26.72	15.51	28.61	21.44	36.79
Other Chronic Liver Disease & Cirrhosis	4.82	6.06	5.14	8.03	8.52	10.56
Cholelithiasis and other disorders of the gallbladder	68.65	38.76	63.46	36.07	57.72	30.89

Table 59 Diseases of the Digestive System Hospitalization Rates

Condition	2018	2019	2020	2021	Movement
Peptic Ulcer	1.31 (0.78, 1.85)	1.21	1.51	1.60	↔
Diseases of Appendix	5.74 (4.67, 6.81)	4.30	4.18	3.71	↓
Hernia	7.44 (6.15, 8.72)	5.37	4.96	6.10	↔
Alcohol Liver Disease	21.05 (18.86, 23.25)	17.33	20.00	29.08	↑
Other Chronic Liver Disease & Cirrhosis	3.09 (2.28, 3.90)	3.02	2.76	3.23	↔
Cholelithiasis and other disorders of the gallbladder	27.46 (25.01, 29.91)	22.92	19.68	17.32	↓

Table 60 Diseases of the Digestive System Hospitalization Rates, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Peptic Ulcer	1.31	1.11	1.76	1.24	1.20	2.01
Diseases of Appendix	3.98	4.64	4.51	3.83	3.59	3.84
Hernia	6.31	4.40	4.99	4.94	6.86	5.31
Alcohol Liver Disease	12.01	22.86	13.60	26.66	21.65	36.81
Other Chronic Liver Disease & Cirrhosis	2.98	3.07	2.84	2.68	2.93	3.55
Cholelithiasis and other disorders of the gallbladder	29.46	16.12	23.18	16.04	21.05	13.44

Table 61 Diseases of the Digestive System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2019

Condition	Hospitalization	ER	Urgent Care
Peptic Ulcer (N=496)	4.4%	8.9%	1.8%
Diseases of Appendix (N=566)	16.8%	36.6%	1.4%
Hernia (N=2503)	4.0%	14.5%	1.4%
Alcohol Liver Disease (N=1,204)	25.9%	29.1%	2.2%
Other Chronic Liver Disease & Cirrhosis (N=662)	9.4%	15.3%	2.0%
Cholelithiasis and other disorders of the gallbladder (N=4450)	9.9%	23.6%	1.5%

Table 62 Diseases of the Digestive System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2020

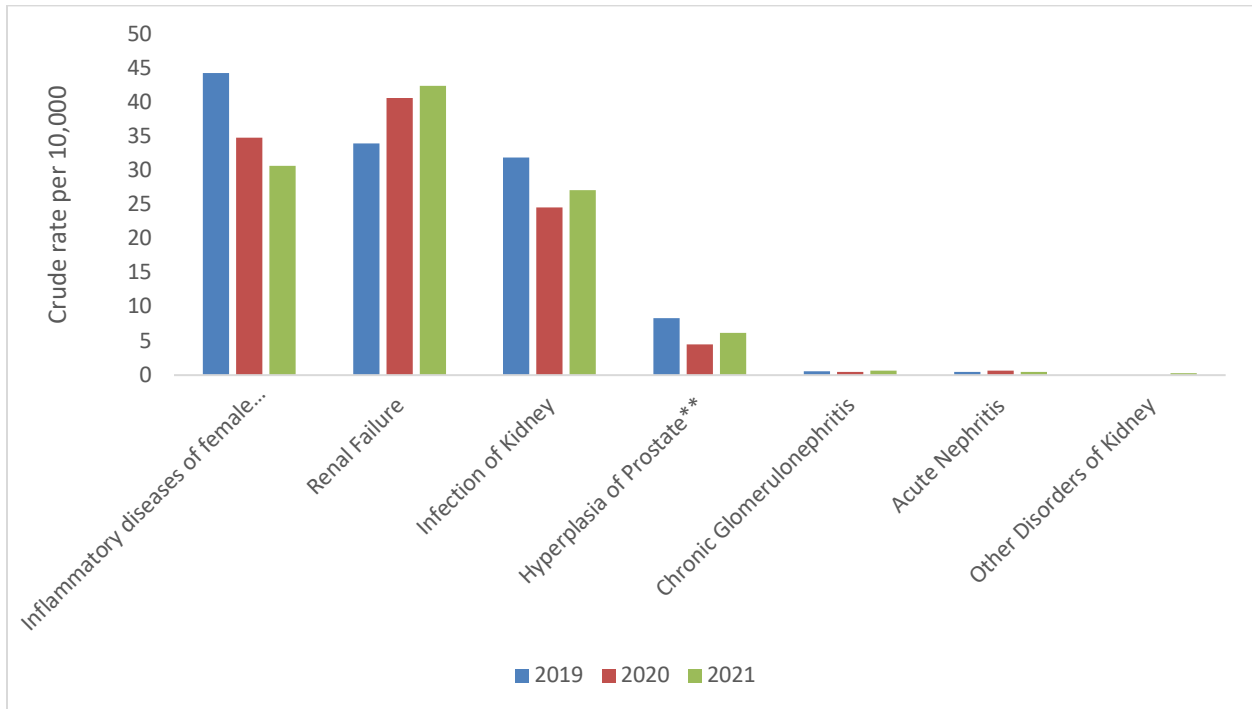
Condition	Hospitalization	ER	Urgent Care
Peptic Ulcer (N=362)	8.0%	8.6%	2.2%
Diseases of Appendix (N=489)	18.2%	39.9%	2.5%
Hernia (N=1651)	5.6%	14.4%	2.5%
Alcohol Liver Disease (N=1,250)	29.4%	32.2%	3.6%
Other Chronic Liver Disease & Cirrhosis (N=644)	8.4%	19.1%	3.6%
Cholelithiasis and other disorders of the gallbladder (N=3648)	10.7%	27.3%	2.0%

Table 63 Diseases of the Digestive System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2021

Condition	Hospitalization	ER	Urgent Care
Peptic Ulcer (N=352)	9.1%	9.9%	1.4%
Diseases of Appendix (N=448)	17.6%	34.6%	1.3%
Hernia (N=2061)	5.7%	11.9%	1.8%
Alcohol Liver Disease (N=1,615)	33.1%	32.3%	1.7%
Other Chronic Liver Disease & Cirrhosis (N=813)	7.9%	21.5%	1.4%
Cholelithiasis and other disorders of the gallbladder (N=3925)	8.7%	22.9%	1.8%

Diseases of the genitourinary system

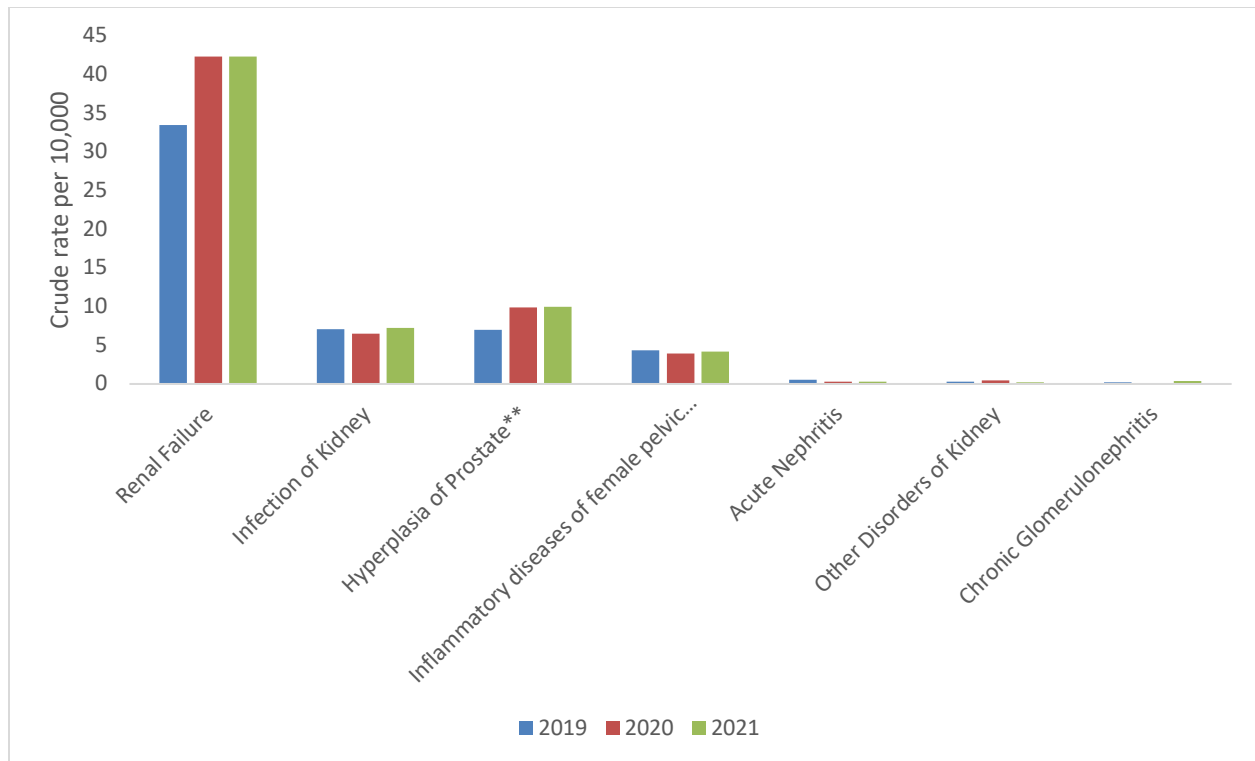
Chart 31 Diseases of the Genitourinary System ER Visits, Both Genders



*Female Only

**Male Only

Chart 32 Diseases of the Genitourinary System Hospitalization, Both Genders



**Males only included in the denominator

*Females only included in the denominator

Table 64 Diseases of the Genitourinary System ER Visit Rates

Condition	2018	2019	2020	2021	Movement
Acute Nephritis	0.65 (0.28, 1.03)	0.48	0.79	0.54	↔
Chronic Glomerulonephritis	0.45 (0.13, 0.76)	0.75	0.56	0.85	↔
Infections of Kidney	34.91 (32.18, 37.65)	33.78	26.48	28.49	↓
Renal Failure	53.24 (49.86, 56.62)	37.33	44.04	45.66	↓
Other Disorders of Kidney	NA	NA	NA	0.40	NA
Hyperplasia of Prostate	14.01 (11.56, 16.45)	8.35	4.54	6.05	↓
Inflammatory diseases of female pelvic organs	49.80 (45.16, 54.44)	47.36	36.92	33.60	↓

Table 65 Diseases of the Genitourinary System ER Visit Rates, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Acute Nephritis	NA	0.57	0.43	1.16	0.61	NA
Chronic Glomerulonephritis	1.06	NA	0.52	0.59	0.67	1.05
Infections of Kidney	58.04	8.53	45.13	7.08	49.75	6.38
Renal Failure	32.04	42.84	36.48	51.91	34.67	57.10
Other Disorders of Kidney	NA	NA	NA	0.34	0.48	NA
Hyperplasia of Prostate		8.35		4.54		6.05
Inflammatory diseases of female pelvic organs	47.36		36.92		33.60	

Table 66 Diseases of the Genitourinary System Hospitalization Rates

Condition	2018	2019	2020	2021	Movement
Acute Nephritis	0.52 (0.19, 0.85)	0.65	0.34	0.30	↔
Chronic Glomerulonephritis	0.36 (0.07, 0.65)	0.25	NA	0.41	↔
Infections of Kidney	9.48 (8.05, 10.92)	7.60	7.05	7.53	↔
Renal Failure	52.49 (49.08, 55.90)	36.79	45.45	45.59	↓
Other Disorders of Kidney	0.66 (0.30, 1.03)	0.31	0.53	0.21	↔
Hyperplasia of Prostate	19.82 (16.90, 22.75)	6.97	9.88	9.59	↓
Inflammatory diseases of female pelvic organs	6.73 (4.96, 8.51)	5.02	4.52	4.96	↔

Table 67 Diseases of the Genitourinary System Hospitalization Rates, by Genders

Condition	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Acute Nephritis	0.83	NA	NA	NA	0.42	NA
Chronic Glomerulonephritis	NA	NA	NA	NA	NA	0.57
Infections of Kidney	12.01	3.01	12.24	1.65	11.72	3.16
Renal Failure	34.78	38.89	36.01	55.26	39.33	52.1
Other Disorders of Kidney	NA	NA	0.46	0.60	0.41	NA
Hyperplasia of Prostate		6.97		9.88		9.59
Inflammatory diseases of female pelvic organs	5.02		4.52		4.96	

Table 68 Diseases of the Genitourinary System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2019

Condition	Hospitalization	ER	Urgent Care
Acute Nephritis (N=105)	11.4%	9.5%	0%
Chronic Glomerulonephritis (N=166)	3.0%	7.8%	0%
Infections of Kidney (N=1,365)	11.0%	49.6%	8.3%
Renal Failure (N=5026)	14.1%	14.4%	2.3%
Other Disorders of Kidney (N=251)	2.4%	1.6%	0.8%
Hyperplasia of Prostate (N=1,292)	5.5%	6.6%	2.3%
Inflammatory diseases of female pelvic organs (N=2,966)	1.6%	16.5%	0%

Table 69 Diseases of the Genitourinary System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2020

Condition	Hospitalization	ER	Urgent Care
Acute Nephritis (N=78)	7.7%	19.2%	1.3%
Chronic Glomerulonephritis (N=117)	2.6%	9.4%	1.7%
Infections of Kidney (N=1,029)	13.5%	50.9%	5.2%
Renal Failure (N=5,432)	16.6%	16.0%	3.1%
Other Disorders of Kidney (N=251)	8.3%	0.8%	0.8%
Hyperplasia of Prostate (N=946)	10.7%	4.8%	3.7%
Inflammatory diseases of female pelvic organs (N=2,966)	2.3%	20.1%	3.7%

Table 70 Diseases of the Genitourinary System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2021

Condition	Hospitalization	ER	Urgent Care
Acute Nephritis (N=83)	8.4%	12.0%	1.2%
Chronic Glomerulonephritis (N=131)	6.9%	11.5%	0.8%
Infections of Kidney (N=1,082)	14.3%	53.7%	4.6%
Renal Failure (N=5,575)	16.3%	16.3%	2.0%
Other Disorders of Kidney (N=112)	3.6%	6.3%	0%
Hyperplasia of Prostate (N=958)	10.6%	6.7%	2.6%
Inflammatory diseases of female pelvic organs (N=2,049)	2.3%	16.7%	3.4%

Pregnancy, childbirth and the puerperium

Chart 33 Pregnancy, childbirth and the puerperium ER Visits

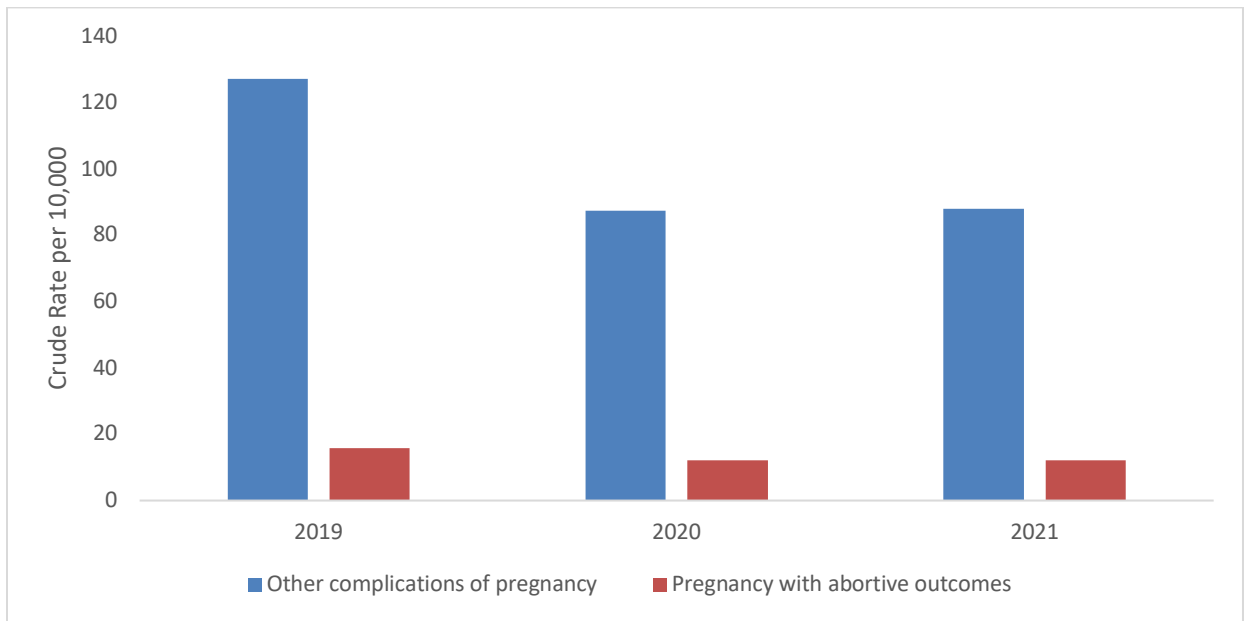
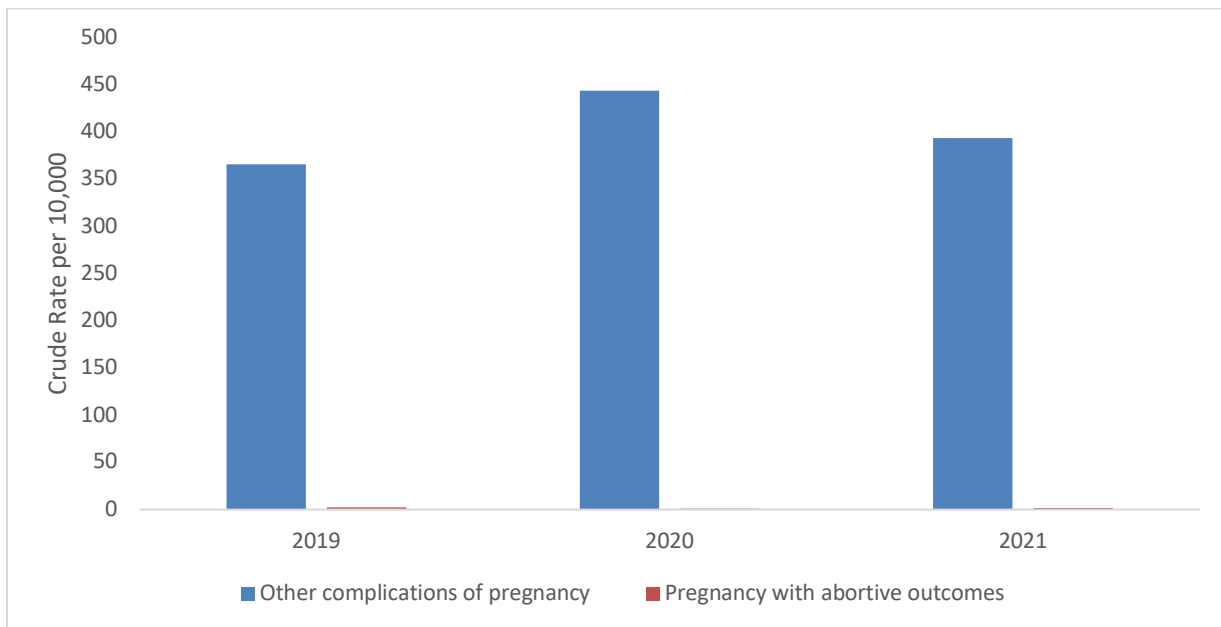


Chart 34 Pregnancy, childbirth and the puerperium Hospitalizations



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 71 Pregnancy, childbirth and the puerperium ER Visit Rates

Condition	2018	2019	2020	2021	Movement
Abortive Pregnancy	21.99 (18.46, 25.52)	15.90	12.82	13.46	↓
Other Pregnancy Issues	151.6 (143.1, 160.2)	134.5	93.59	93.58	↓

Table 72 Pregnancy, childbirth and the puerperium Hospitalization Rates

Condition	2018	2019	2020	2021	Movement
Abortive Pregnancy	1.64 (0.72, 2.55)	2.75	1.20	1.74	↔
Other Pregnancy Issues	529.2 (513.0, 545.3)	387.7	479.5	426.3	↓

Table 73 Diseases of the Genitourinary System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2019

Condition	Hospitalization	ER	Urgent Care
Abortive Pregnancy (N=21,918)	16.9%	5.9%	0.5%
Other Pregnancy Issues (N=656)	3.4%	22.1%	1.5%

Table 74 Diseases of the Genitourinary System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2020

Condition	Hospitalization	ER	Urgent Care
Abortive Pregnancy (N=19,885)	22.7%	4.5%	0.4%
Other Pregnancy Issues (N=656)	2.1%	21.1%	0.9%

Table 75 Diseases of the Genitourinary System Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2021

Condition	Hospitalization	ER	Urgent Care
Abortive Pregnancy (N=17,800)	22.6%	5.1%	0.6%
Other Pregnancy Issues (N=491)	3.1%	22.8%	1.2%

Certain conditions originating in the perinatal period

Chart 35 Certain conditions originating in the perinatal period ER & Hospitalizations Rates

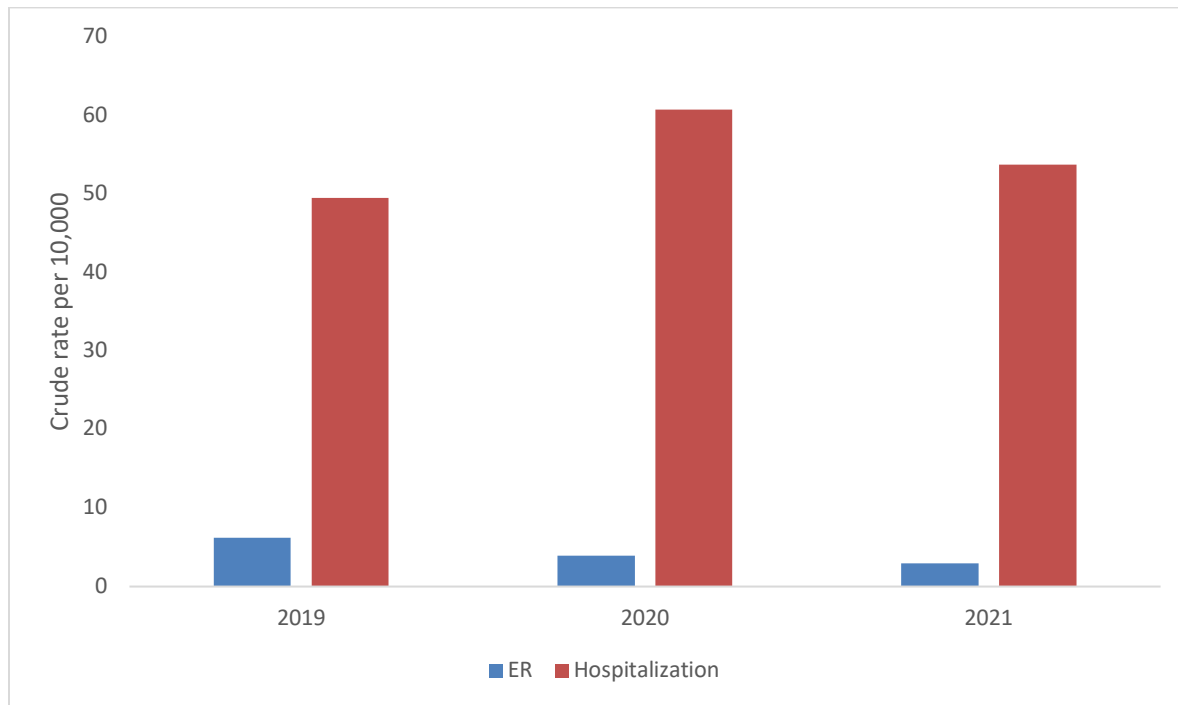


Table 76 Certain conditions originating in the perinatal period ER & Hospitalization Rates

Site	2018	2019	2020	2021	Movement
Emergency Room	4.78 (3.87, 5.69)	5.68	3.71	2.87	↓
Hospitalization	62.08 (58.87, 65.29)	43.79	54.99	49.27	↓

Table 77 Certain conditions originating in the perinatal period ER & Hospitalization Rates, by Gender

Site	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Emergency Room	4.57	6.84	3.05	2.06	2.40	3.36
Hospitalization	42.17	45.48	46.79	63.51	43.76	55.01

Table 78 Certain conditions originating in the perinatal period Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other), by Year

Condition	Hospitalization	ER	Urgent Care
2019 (N=2845)	36.9%	4.6%	0.8%
2020 (N=2903)	44.5%	2.9%	0.5%
2021 (N=2490)	46.1%	2.6%	0.8%

Congenital malformations, deformations and chromosomal abnormalities

Chart 36 Congenital malformations, deformations and chromosomal abnormalities ER & Hospitalization Rates, Both Genders

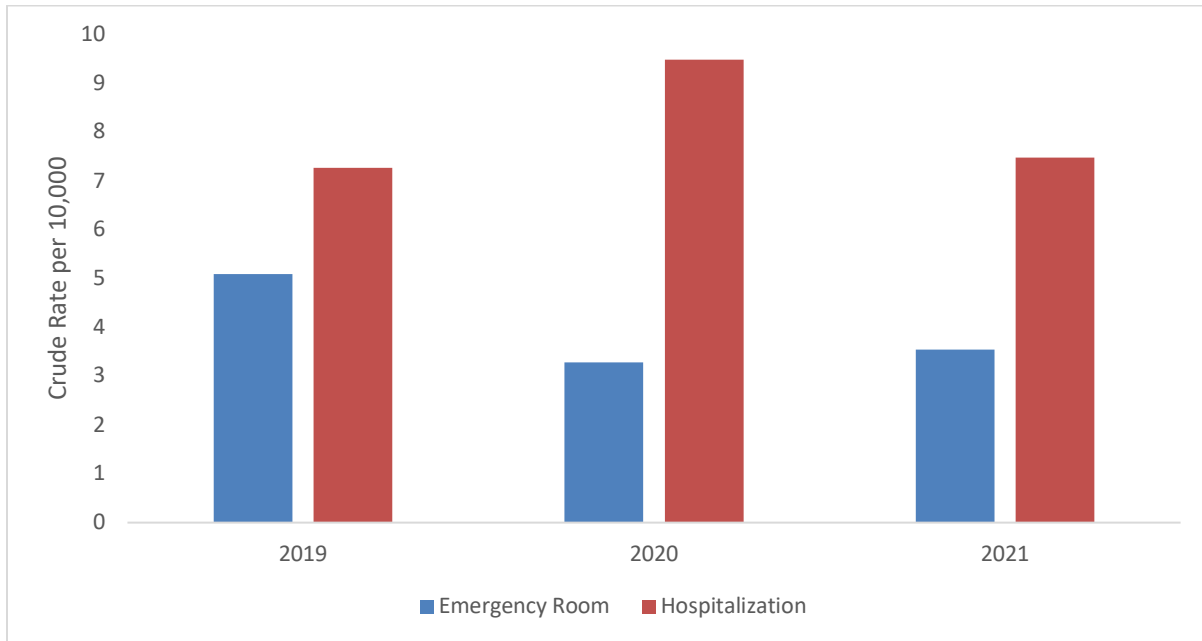


Table 79 Congenital malformations, deformations and chromosomal abnormalities ER & Hospitalization Rates

Site	2018	2019	2020	2021	Movement
Emergency Room	6.20 (5.09, 7.30)	5.21	3.30	3.68	↓
Hospitalization	10.84 (9.41, 12.27)	6.78	8.92	7.15	↓

Table 80 Congenital malformations, deformations and chromosomal abnormalities ER & Hospitalization Rates, by Gender

Site	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Emergency Room	5.01	5.41	3.27	3.33	2.71	4.69
Hospitalization	5.92	7.67	7.72	10.16	7.78	6.49

Table 81 Congenital malformations, deformations and chromosomal abnormalities Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other), by Year

Condition	Hospitalization	ER	Urgent Care
2019 (N=2939)	5.2%	3.7%	0.9%
2020 (N=2,073)	9.7%	3.4%	0.9%
2021 (N=2,392)	6.7%	3.2%	0.6%

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

Chart 37 Symptoms, signs and abnormal lab findings ER Visits & Hospitalization, Both Genders

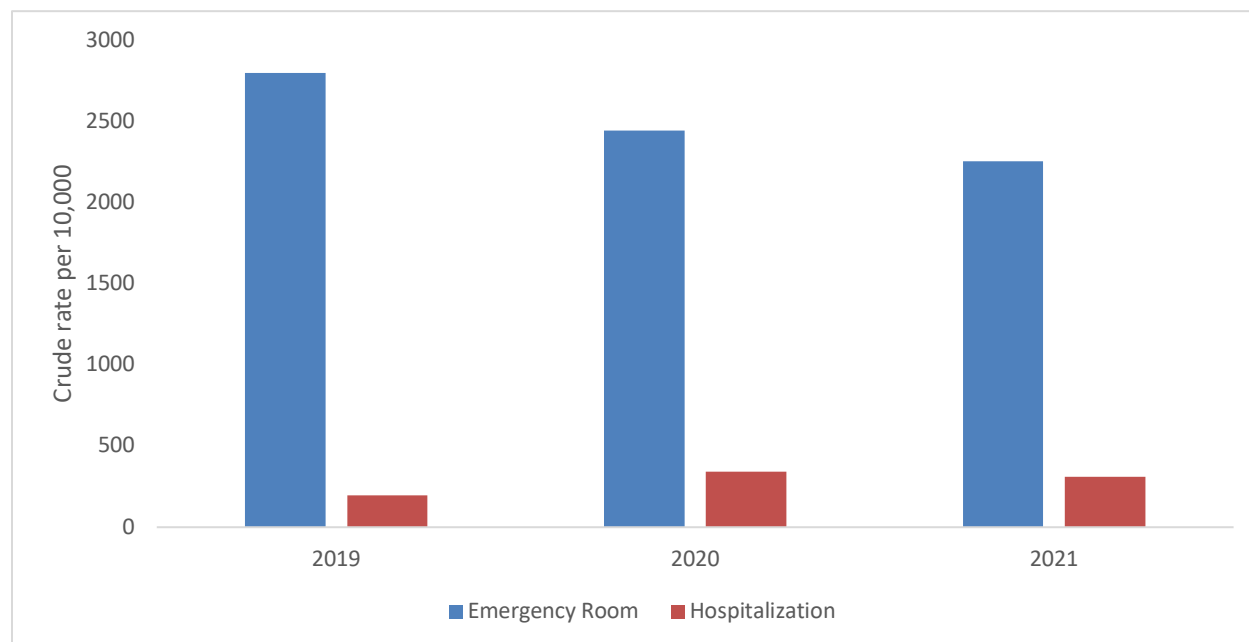


Table 82 Symptoms, signs and abnormal lab findings ER & Hospitalization Rates

Site	2018	2019	2020	2021	Movement
Emergency Room	3,208.9 (3182.2, 3,225.0)	2923.6	2592.1	2379.5	↓
Hospitalization	288.8 (280.8, 296.7)	216.8	369.1	337.4*	↑

*Description of leading causes of Symptoms, signs and abnormal lab findings Hospitalization can be seen in the appendix

Table 83 Congenital malformations, deformations and chromosomal abnormalities ER & Hospitalization Rates, by Gender

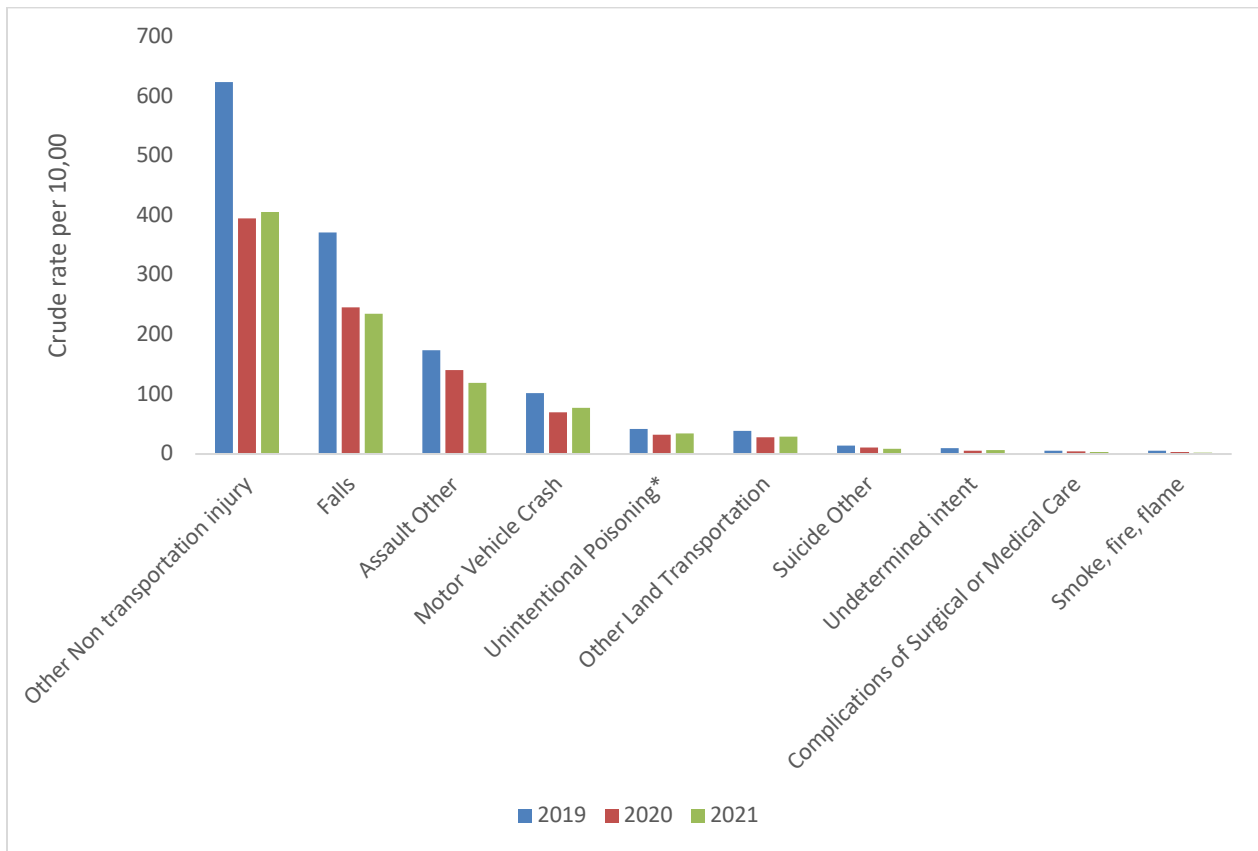
Site	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Emergency Room	3210.0	2625.6	2743.8	2434.3	2447.6	2308.7
Hospitalization	219.9	213.5	381.0	356.8	318.8	356.7

Table 84 Congenital malformations, deformations and chromosomal abnormalities Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other), by Year

Condition	Hospitalization	ER	Urgent Care
2019 (N=189,505)	2.2%	31.3%	4.8%
2020 (N=176,581)	4.1%	29.5%	4.9%
2021 (N=165,567)	4.0%	29.2%	3.5%

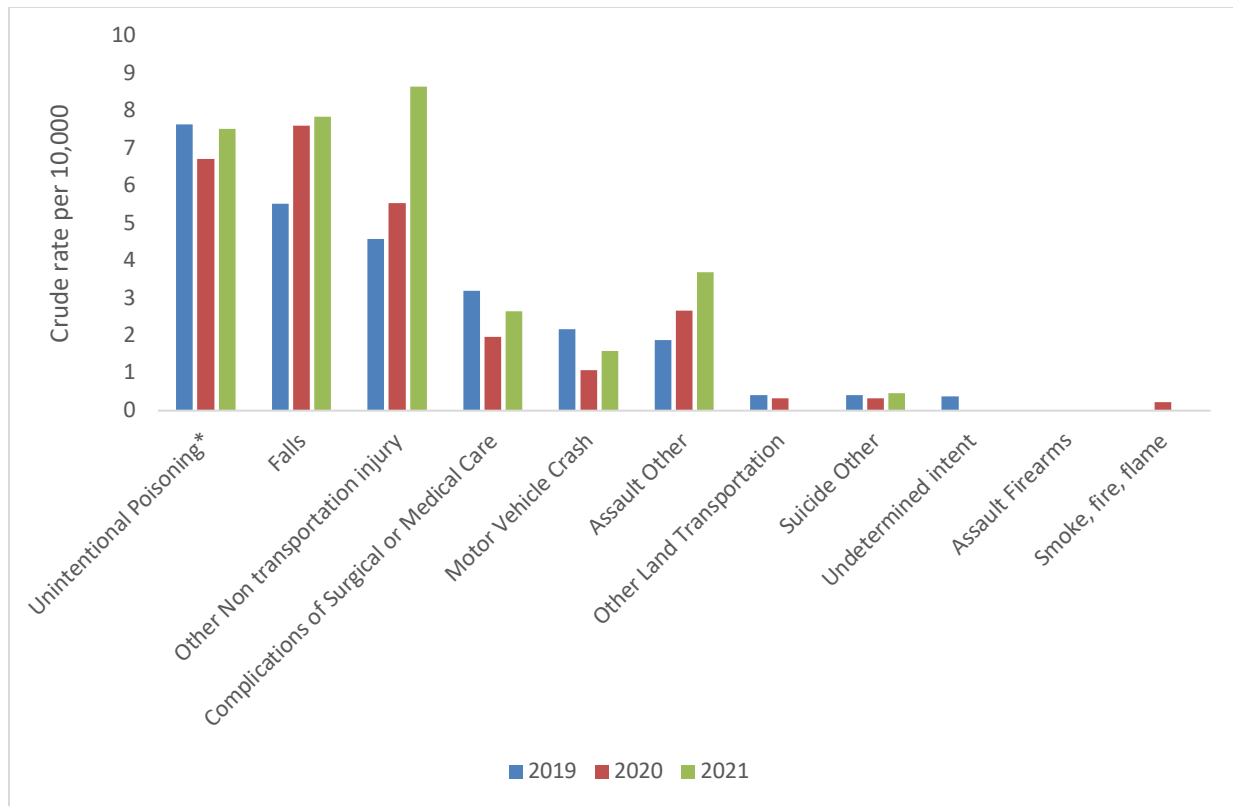
External causes of morbidity and mortality

Chart 38 External Cause of Injury: Leading 10 Causes ER Visits, Both Genders



*T Codes used for this calculation

Chart 39 External Cause of Injury: Leading Causes Hospitalization, Both Genders



*Calculated from T Codes

Table 85 External Cause of Injury ER Visit Rates

Injury Type	2018	2019	2020	2021	Movement
Motor Vehicle Crash	113.7 (108.8, 118.6)	104.5	72.10	79.83	↓
Other Land Transportation	32.16 (29.63, 34.69)	38.2	28.29	28.77	↔
Water, Air and Space and other transportation	0.31 (0.03, 0.58)	0.45	0.34	0.46	↔
Falls	380.9 (372.0, 389.9)	384.4	258.2	244.2	↓
Accidental Discharge of Firearm	2.25 (1.57, 2.92)	2.48	2.54	2.63	↔
Drowning	NA	0	NA	NA	NA
Accidental exposure to smoke, fire, flame	5.20 (4.15, 6.25)	5.27	3.85	2.72	↓
Unintentional Poisoning	70.04 (66.24, 73.84)	43.63	34.07	35.95	↓
Other and unspecified non-	622.9 (611.6, 634.2)	636.7	410.3	417.4	↓

transportation accidents					
Injury Type	2018	2019	2020	2021	Movement
Suicide by discharge of firearm	NA	NA	0.31	0.51	NA
Suicide by other means	12.07 (10.49, 13.64)	13.21	11.53	8.92	↓
Assault by firearm	1.62 (1.02, 2.22)	1.06	1.65	1.53	↔
Assault by other means	215.2 (208.3, 222.0)	188.0	155.2	130.9	↓
Legal Intervention	4.56 (3.55, 5.57)	4.55	3.17	4.88	↔
Discharge of firearm, undetermined intent	0.27 (0.03, 0.52)	0.35	0.45	0.42	↔
Other and unspecified events of undetermined intent	9.44 (8.03, 10.86)	9.85	5.86	7.37	↔
Operations of war and their sequelae	NA	NA	NA	NA	NA
Complications of medical and surgical care	7.77 (6.48, 9.07)	6.37	4.27	4.17	↓

Table 86 External Cause of Injury ER Visit Rates, by Gender

Injury Type	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Motor Vehicle Crash	99.28	109.9	62.89	81.69	70.66	89.37
Other Land Transportation	19.16	58.02	13.69	43.49	15.51	42.58
Water, Air and Space and other transportation	0.39	0.50	NA	0.38	0.51	NA
Falls	402.1	366.0	266.7	249.4	256.9	231.0
Accidental Discharge of Firearm	0.42	4.62	NA	4.88	1.08	4.25
Drowning	0	0	0	NA	NA	0
Accidental exposure to smoke, fire, flame	2.83	7.80	2.73	5.02	1.93	3.54
Unintentional Poisoning	47.38	39.73	37.40	30.60	39.09	32.69
Other and unspecified non-	554.0	722.8	334.5	489.2	363.8	473.2

transportation accidents						
	2019		2020		2021	
Injury Type	Female	Male	Female	Male	Female	Male
Suicide by discharge of firearm	0	NA	0	0.63	NA	1.04
Suicide by other means	11.38	15.12	9.34	13.81	6.76	11.17
Assault by firearm	NA	1.83	0.39	2.96	0.87	2.22
Assault by other means	139.1	239.0	108.3	204.0	95.16	168.2
Legal Intervention	1.25	7.98	0.77	5.67	1.73	8.15
Discharge of firearm, undetermined intent	NA	NA	NA	0.72	NA	0.75
Other and unspecified events of undetermined intent	8.30	11.46	4.14	7.65	5.29	9.53
Operations of war and their sequelae	0	NA	0	NA	0	NA
Complications of medical and surgical care	5.83	6.93	4.73	3.78	4.02	4.33

Table 87 External Cause of Injury Hospitalization Rates

Injury Type	2018	2019	2020	2021	Movement
Motor Vehicle Crash	2.51 (1.77, 3.25)	2.37	1.17	1.78	↔
Other Land Transportation	0.55 (0.18, 0.91)	0.51	0.39	NA	NA
Water, Air and Space and other transportation	NA	0	0	0	NA
Falls	9.60 (8.12, 11.07)	6.19	8.56	8.60	↔
Accidental Discharge of Firearm	NA	NA	NA	NA	NA
Drowning	NA	0	0	0	NA
Accidental exposure to smoke, fire, flame	NA	NA	0.22	NA	NA
Unintentional Poisoning	10.40 (8.89, 11.91)	8.53	7.32	8.09	↔
Other and unspecified non-transportation accidents	8.47 (7.10, 9.84)	5.09	6.07	9.51	↔

Injury Type	2018	2019	2020	2021	Movement
Suicide by discharge of firearm	NA	0	0	0	NA
Suicide by other means	NA	0.54	0.39	0.55	NA
Assault by firearm	0	NA	NA	NA	NA
Assault by other means	4.07 (3.10, 5.30)	2.04	3.02	4.26	↔
Legal Intervention	NA	NA	0	NA	NA
Discharge of firearm, undetermined intent	NA	0	0	NA	NA
Other and unspecified events of undetermined intent	0.41 (0.12, 0.70)	0.44	NA	NA	NA
Operations of war and their sequelae	NA	0	NA	NA	NA
Complications of medical and surgical care	3.49 (2.63, 4.35)	3.38	2.27	2.86	↔

Table 88 External Cause of Injury Hospitalization Rates, by Gender

Injury Type	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Motor Vehicle Crash	1.44	3.32	0.94	1.40	1.94	1.61
Other Land Transportation	NA	0.93	NA	0.67	NA	NA
Water, Air and Space and other transportation	0	0	0	0	0	0
Falls	6.46	5.91	9.58	7.49	8.87	8.32
Accidental Discharge of Firearm	NA	NA	NA	0	0	NA
Drowning	0	0	0	0	0	0
Accidental exposure to smoke, fire, flame	0	NA	NA	0.35	NA	0
Unintentional Poisoning	9.88	7.13	8.23	6.38	6.87	9.36
Other and unspecified non-transportation accidents	3.11	7.15	3.34	8.91	6.64	12.50

Table Continued on Next Page

Injury Type	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Suicide by discharge of firearm	0	0	0	0	0	0
Suicide by other means	NA	0.73	NA	NA	NA	0.81
Assault by firearm	0	NA	0	NA	0	NA
Assault by other means	1.22	2.90	2.30	3.76	2.51	6.07
Legal Intervention	0	NA	0	0	0	NA
Discharge of firearm, undetermined intent	0	0	0	0	NA	NA
Other and unspecified events of undetermined intent	NA	NA	0	NA	0	NA
Operations of war and their sequelae	0	0	0	NA	0	NA
Complications of medical and surgical care	2.71	4.08	2.52	2.0	2.45	3.29

Table 89 External Injuries Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2019

Injury Type	Hospitalization	ER	Urgent Care
Motor Vehicle Crash (N=3372)	1.4%	64.1%	5.5%
Other Land Transportation (N=1380)	0.7%	58.9%	7.9%
Water, Air and Space and other transportation (N=19)	0%	52.6%	5.3%
Falls (N=14274)	0.8%	55.2%	8.2%
Accidental Discharge of Firearm (N=81)	3.7%	64.2%	6.2%
Drowning (N=0)			
Accidental exposure to smoke, fire, flame (N=207)	1.4%	51.2%	12.1%
Unintentional Poisoning (N=1751)	9.3%	50.8%	4.1%
Other and unspecified non-transportation accidents (N=24213)	0.4%	54.6%	9.8%
Suicide by discharge of firearm (N=7)	0%	42.9%	0%
Suicide by other means (N=382)	2.4%	75.9%	3.1%
Assault by firearm (N=32)	3.1%	65.6%	0%
Assault by other means (N=4993)	0.8%	73.8%	6.0%
Legal Intervention (N=99)	1.0%	84.8%	5.1%
Discharge of firearm, undetermined intent (N=13)	0%	53.8%	15.4%

Injury Type	Hospitalization	ER	Urgent Care
Other and unspecified events of undetermined intent (N=354)	2.3%	58.2%	9.3%
Operations of war and their sequelae (N=2)			
Complications of medical and surgical care (N=610)	11.1%	20.7%	3.0%

Table 90 External Injuries Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2020

Injury Type	Hospitalization	ER	Urgent Care
Motor Vehicle Crash (N=2144)	1.1%	69.1%	5.3%
Other Land Transportation (N=989)	0.7%	60.6%	11.2%
Water, Air and Space and other transportation (N=19)	0%	36.8%	15.8%
Falls (N=8686)	1.9%	60.3%	7.3%
Accidental Discharge of Firearm (N=95)	1.1%	56.8%	8.4%
Drowning (N=3)			
Accidental exposure to smoke, fire, flame (N=150)	3.3%	50.7%	8.7%
Unintentional Poisoning (N=1406)	10.2%	49.7%	3.9%
Other and unspecified non-transportation accidents (N=14712)	0.8%	57.3%	9.6%
Suicide by discharge of firearm (N=8)	0%	87.5%	0%
Suicide by other means (N=312)	2.2%	76.6%	3.2%
Assault by firearm (N=38)	5.3%	78.9%	0%
Assault by other means (N=3879)	1.5%	77.3%	5.5%
Legal Intervention (N=69)	0%	88.4%	4.3%
Discharge of firearm, undetermined intent (N=13)	0%	69.2%	0%
Other and unspecified events of undetermined intent (N=202)	1.0%	57.4%	7.9%
Operations of war and their sequelae (N=3)			
Complications of medical and surgical care (N=411)	10.2%	20.4%	1.9%

Table 91 External Injuries Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2021

Injury Type	Hospitalization	ER	Urgent Care
Motor Vehicle Crash (N=2302)	1.5%	72.4%	4.7%
Other Land Transportation (N=991)	0.4%	62.5%	7.5%
Water, Air and Space and other transportation (N=26)	0%	38.5%	0%
Falls (N=8283)	2.0%	60.8%	6.7%
Accidental Discharge of Firearm (N=85)	1.2%	58.8%	5.9%
Drowning (N=1)			
Accidental exposure to smoke, fire, flame (N=129)	2.3%	45.0%	13.2%
Unintentional Poisoning (N=1423)	11.3%	51.2%	5.0%
Other and unspecified non-transportation accidents (N=14570)	1.3%	59.6%	8.6%
Suicide by discharge of firearm (N=9)	0%	100%	0%
Suicide by other means (N=238)	4.2%	78.6%	2.9%
Assault by firearm (N=46)	4.3%	67.4%	0%
Assault by other means (N=3287)	2.4%	77.5%	4.0%
Legal Intervention (N=99)	1.0%	91.9%	2.0%
Discharge of firearm, undetermined intent (N=16)	12.5%	50.0%	0%
Other and unspecified events of undetermined intent (N=220)	1.4%	68.6%	10.5%
Operations of war and their sequelae (N=3)			
Complications of medical and surgical care (N=395)	14.4%	21.0%	4.1%

T Codes Injury, Poisoning, and Certain Other Consequences of External Causes

Chart 40 Leading 10 ER Visits Both Genders

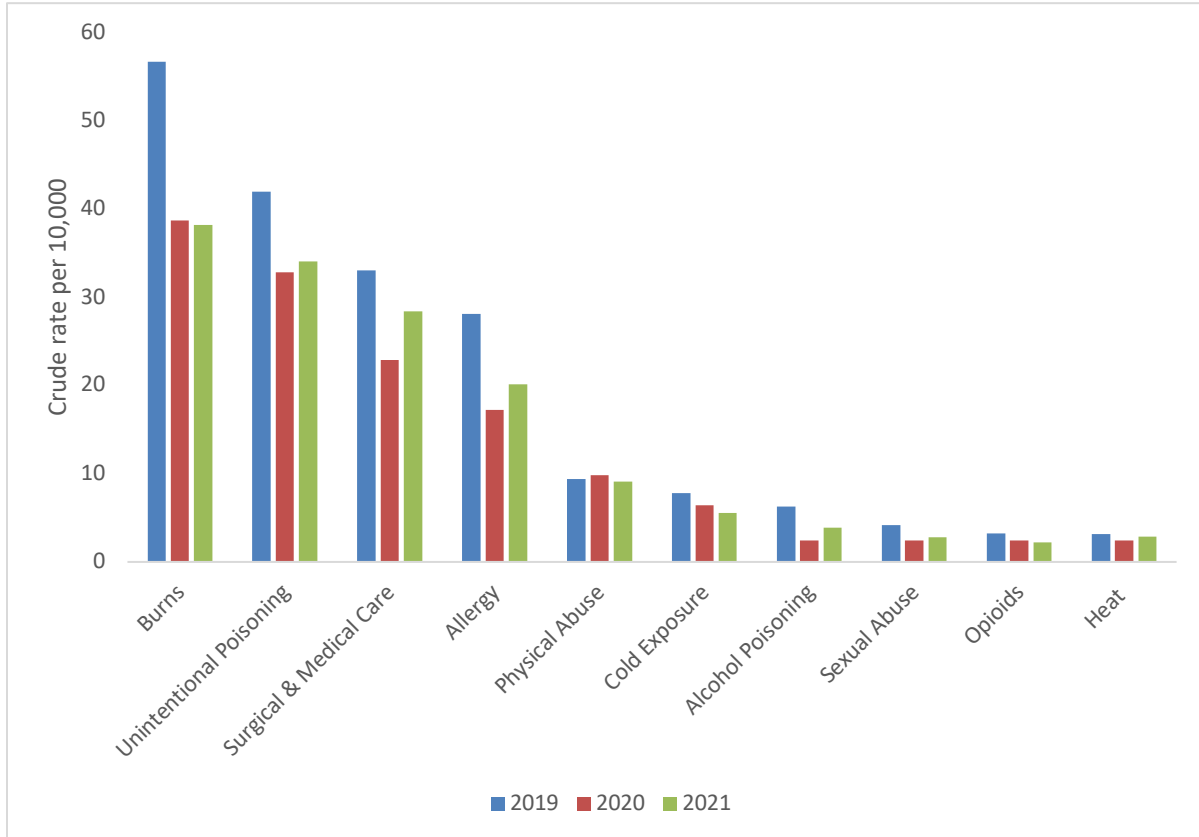


Chart 41 Leading Hospitalizations, Both Genders

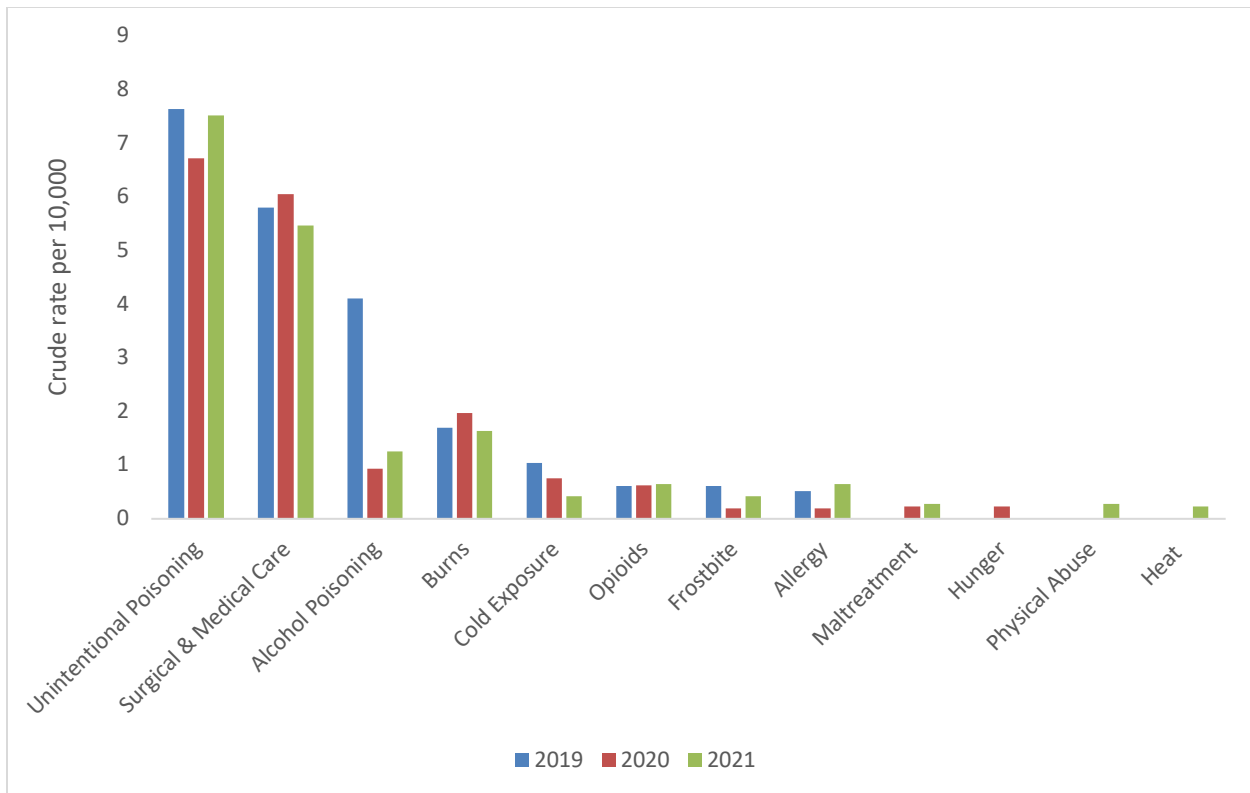


Table 92 T-Code Cause of Injury ER Visit Rates

Injury Type	2018	2019	2020	2021	Movement
Alcohol Poisoning	3.18 (2.34, 4.03)	7.06	2.88	4.47	↔
Allergy	17.04 (15.17, 18.90)	28.00	17.73	20.84	↔
Asphyxiation	2.33 (1.64, 3.02)	0.49	0.26	0.27	↓
Burns	54.99 (51.62, 58.36)	57.72	39.75	39.16	↓
Cold Exposure	8.53 (7.15, 9.91)	8.78	7.20	6.00	↓
Drowning	NA	0	NA	NA	NA
Electrocution	0.67 (0.28, 1.05)	0.32	0.28	0.57	↔
Food Reactions	5.01 (4.00, 6.03)	0	0	0	↓
Frostbite	NA	0.80	1.50	2.17	NA
Heat	4.22 (3.27, 5.18)	3.45	2.58	3.08	↔

Table Continued on Next Page

Injury Type	2018	2019	2020	2021	Movement
Hunger	0.76 (0.35, 1.16)	0.87	0.60	0.40	↔
Lightning	0.35 (0.08, 0.62)	0.31	0	NA	NA
Maltreatment	1.81 (1.19, 2.44)	3.01	0.99	1.08	↔
Motion Sickness	NA	NA	0	0	
Opioids	2.78 (2.00, 3.56)	3.44	2.46	2.33	↔
Overexertion	NA	NA	NA	NA	NA
Physical Abuse	11.31 (9.73, 12.89)	9.90	10.62	9.69	↔
Radiation	NA	0	NA	0	NA
Sexual Abuse	3.55 (2.69, 4.41)	4.08	2.49	2.82	↔
Surgical & Medical Care	39.06 (36.16, 41.96)	35.33	24.55	30.28	↓

Table 93 T-Code Cause of Injury ER Visit Rates, by Gender

Injury Type	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Alcohol Poisoning	2.90	11.40	1.20	4.62	1.89	7.15
Allergy	33.80	21.97	23.64	11.58	26.32	15.14
Asphyxiation	0.83	NA	NA	NA	NA	NA
Burns	44.58	71.38	33.52	46.23	34.69	43.82
Cold Exposure	4.37	13.38	2.71	11.87	3.33	8.78
Drowning	0	0	NA	NA	NA	0
Electrocution	NA	0.50	0	0	NA	0.84
Food Reactions	0	0	0	0	0	0
Frostbite	0	1.62	0.39	2.65	0.56	3.85
Heat	2.30	4.65	1.69	3.50	2.32	3.87
Hunger	0.44	1.31	NA	1.13	NA	0.74
Lightning	NA	0.50	0	0	NA	NA
Maltreatment	4.32	1.65	1.64	NA	1.53	0.61
Motion Sickness	NA	0	0	0	0	0
Opioids	3.79	3.08	2.02	2.92	2.37	2.29
Overexertion	NA	NA	0	NA	NA	0
Physical Abuse	13.03	6.64	13.38	7.75	12.05	7.24
Radiation	0	0	NA	0	0	0
Sexual Abuse	7.35	0.68	4.27	0.66	4.55	1.01
Surgical & Medical Care	30.19	40.67	20.68	28.57	30.78	29.76

Table 94 T-Code Cause of Injury Hospitalization Rates

Injury Type	2018	2019	2020	2021	Movement
Alcohol Poisoning	2.63 (1.85, 3.40)	4.58	1.12	1.55	↔
Allergy	NA	0.56	0.21	0.70	NA
Asphyxiation	NA	0	0	NA	NA
Burns	1.90 (1.27, 2.53)	1.97	2.07	1.73	↔
Cold Exposure	0.79 (0.39, 1.20)	1.17	0.90	0.45	↔
Drowning	NA	0	0	0	NA
Electrocution	NA	0	0	0	NA
Food Reactions	NA	0	0	0	NA
Frostbite	NA	0.65	0.26	0.61	NA
Heat	NA	NA	NA	0.24	NA
Hunger	NA	NA	0.22	NA	NA
Lightning	NA	0	0	0	↓
Maltreatment	0.22 (0.03, 0.41)	NA	0.27	0.28	↔
Motion Sickness	NA	0	0	0	↓
Opioids	0.84 (0.41, 1.28)	0.64	0.58	0.73	↔
Overexertion	NA	NA	0	0	NA
Physical Abuse	NA	NA	NA	0.29	NA
Radiation	NA	0	0	0	NA
Sexual Abuse	NA	NA	0	NA	NA
Surgical & Medical Care	9.88 (8.42, 11.34)	6.17	6.56	5.95	↓

Table 95 T-Code Cause of Injury Hospitalization Rates, by Gender

Injury Type	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Alcohol Poisoning	2.24	7.02	0	2.28	0.69	2.44
Allergy	0.69	0.44	NA	NA	0.88	0.52
Asphyxiation	0	0	0	0	NA	0
Burns	NA	3.60	1.18	2.99	1.06	2.44
Cold Exposure	0.75	1.61	0.55	1.26	NA	0.63
Drowning	0	0	0	0	0	0
Electrocution	0	0	0	0	0	0
Food Reactions	0	0	0	0	0	0
Frostbite	0	1.33	0	0.52	0	1.25
Heat	0	NA	NA	0	NA	0.37
Hunger	0	NA	NA	NA	0	NA
Lightning	0	0	0	0	0	0
Maltreatment	NA	0	NA	NA	0.54	NA
Motion Sickness	0	0	0	0	0	0
Opioids	0.75	0.53	0.48	0.68	0.75	0.70
Overexertion	NA	0	0	0	0	0

Injury Type	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Physical Abuse	NA	0	NA	NA	0.38	NA
Radiation	0	0	0	0	0	0
Sexual Abuse	NA	0	0	0	NA	0
Surgical & Medical Care	6.18	6.17	6.24	6.88	4.54	7.42

Table 96 T-Code Injury Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2019

Injury Type	Hospitalization	ER	Urgent Care
Alcohol Poisoning (N=237)	36.7%	56.1%	1.7%
Allergy (N=1384)	0.8%	43.0%	7.3%
Asphyxiation (N=4)			
Burns (N=2877)	1.3%	41.7%	9.5%
Cold Exposure (N=223)	9.9%	74.4%	0.4%
Drowning (N=2)			
Electrocution (N=12)	0%	58.3%	0%
Food Reactions (N=0)			
Frostbite (N=84)	15.5%	19.0%	1.2%
Heat (N=102)	1.0%	65.7%	8.8%
Hunger (N=22)	9.1%	72.7%	4.5%
Lightning (N=5)	0%	100%	0%
Maltreatment (N=183)	0.5%	35.5%	2.7%
Motion Sickness (N=17)	0%	11.8%	0%
Opioids (N=123)	10.6%	56.1%	1.6%
Overexertion (N=7)	14.3%	42.9%	0%
Physical Abuse (N=473)	0.2%	42.1%	9.3%
Radiation (N=2)			
Sexual Abuse (N=192)	0.5%	45.8%	2.1%
Surgical & Medical Care (N=2920)	4.2%	24.0%	2.9%

Table 97 T-Code Injury Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2020

Injury Type	Hospitalization	ER	Urgent Care
Alcohol Poisoning (N=107)	18.7%	48.6%	6.5%
Allergy (N=894)	0.4%	41.1%	5.7%
Asphyxiation (N=7)	0%	85.7%	0%
Burns (N=1859)	2.3%	44.3%	9.0%
Cold Exposure (N=171)	9.4%	79.5%	1.8%
Drowning (N=5)	0%	60.0%	0%
Electrocution (N=10)	0%	60.0%	10.0%
Food Reactions (N=0)			
Frostbite (N=88)	4.5%	28.4%	8.0%
Heat (N=78)	1.3%	65.4%	9.0%
Hunger (N=18)	27.8%	66.7%	0%

Injury Type	Hospitalization	ER	Urgent Care
Lightning (N=0)			
Maltreatment (N=91)	5.5%	22.0%	4.4%
Motion Sickness (N=9)	0%	0%	11.1%
Opioids (N=82)	15.9%	62.2%	1.2%
Overexertion (N=2)			
Physical Abuse (N=389)	0.8%	54.0%	9.0%
Radiation (N=1)			
Sexual Abuse (N=138)	0%	37.7%	1.4%
Surgical & Medical Care (N=2035)	6.3%	24.0%	3.2%

Table 98 T-Code Injury Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other)
2021

Injury Type	Hospitalization	ER	Urgent Care
Alcohol Poisoning (N=139)	19.4%	59.7%	1.4%
Allergy (N=921)	1.5%	46.7%	6.1%
Asphyxiation (N=9)	11.1%	55.6%	0%
Burns (N=1784)	2.0%	45.8%	9.1%
Cold Exposure (N=134)	6.7%	88.8%	0.7%
Drowning (N=2)			
Electrocution (N=12)	0%	91.7%	0%
Food Reactions (N=0)			
Frostbite (N=77)	11.7%	48.1%	3.9%
Heat (N=83)	6.0%	73.5%	6.0%
Hunger (N=11)	18.2%	72.7%	0%
Lightning (N=3)			
Maltreatment (N=65)	9.2%	35.4%	7.7%
Motion Sickness (N=17)	0%	0%	0%
Opioids (N=79)	17.7%	60.8%	1.3%
Overexertion (N=1)			
Physical Abuse (N=350)	1.7%	55.7%	6.0%
Radiation (N=0)			
Sexual Abuse (N=177)	0.6%	33.3%	1.7%
Surgical & Medical Care (N=2155)	5.4%	28.2%	3.6%

Navajo Special Infectious Diseases

Chart 42 Navajo Special Infectious Diseases ER Visits, Both Genders

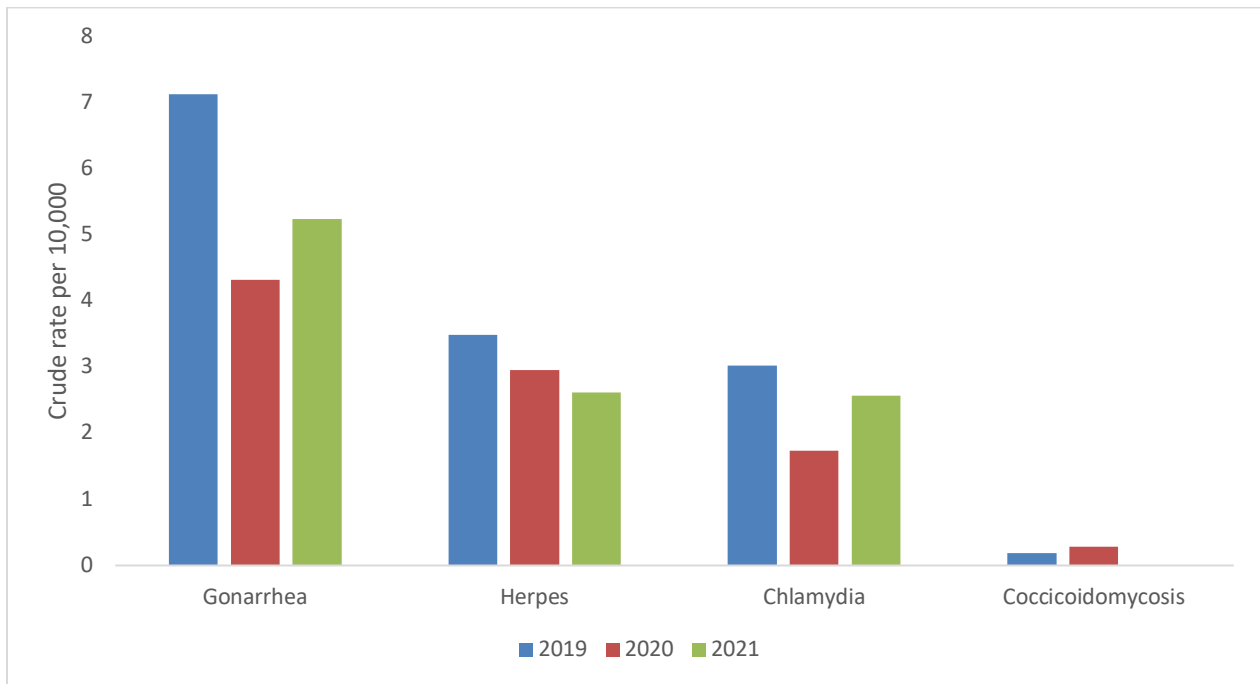


Chart 43 Navajo Special Infectious Diseases—Respiratory Disease ER Visits, Both Genders

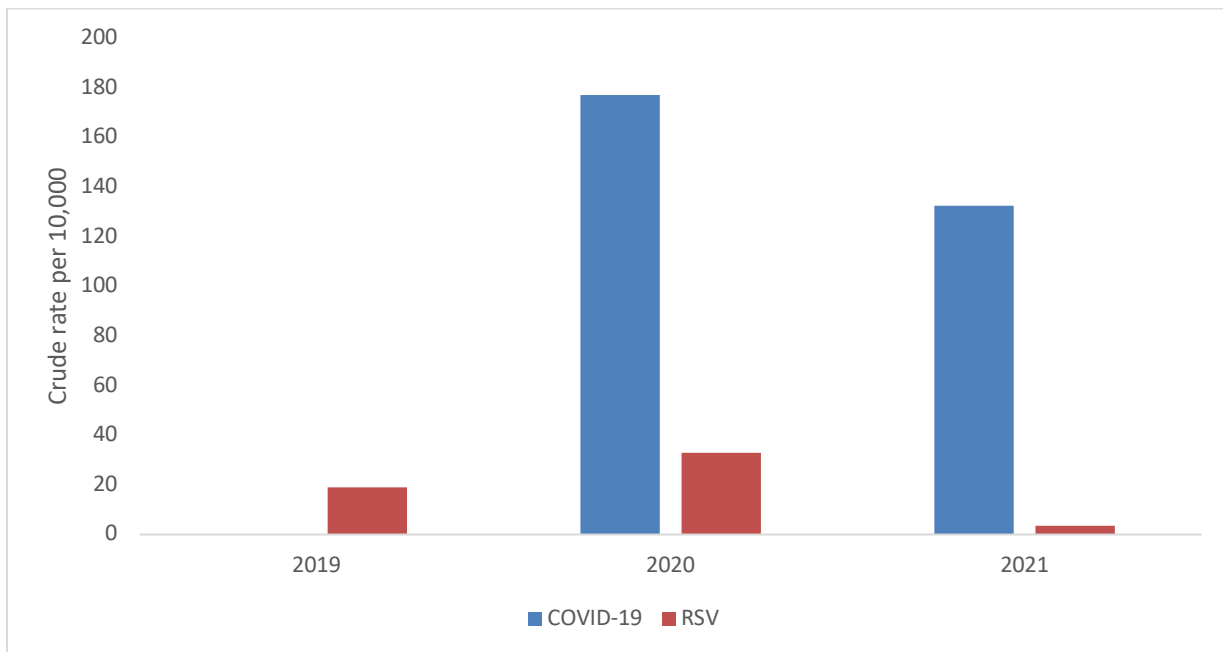


Chart 44 Navajo Special Infectious Diseases Hospitalization Rates, Both Genders

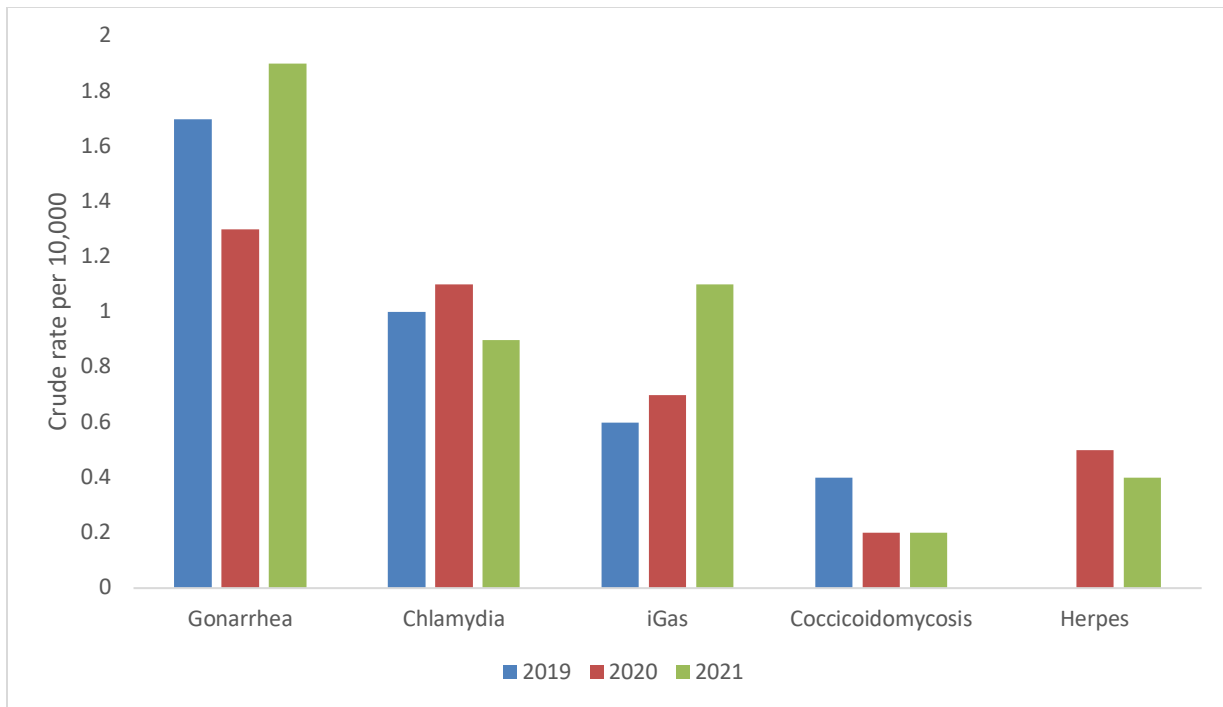


Chart 45 Navajo Special Infectious Diseases—Respiratory Diseases Hospitalization Rates, Both Genders

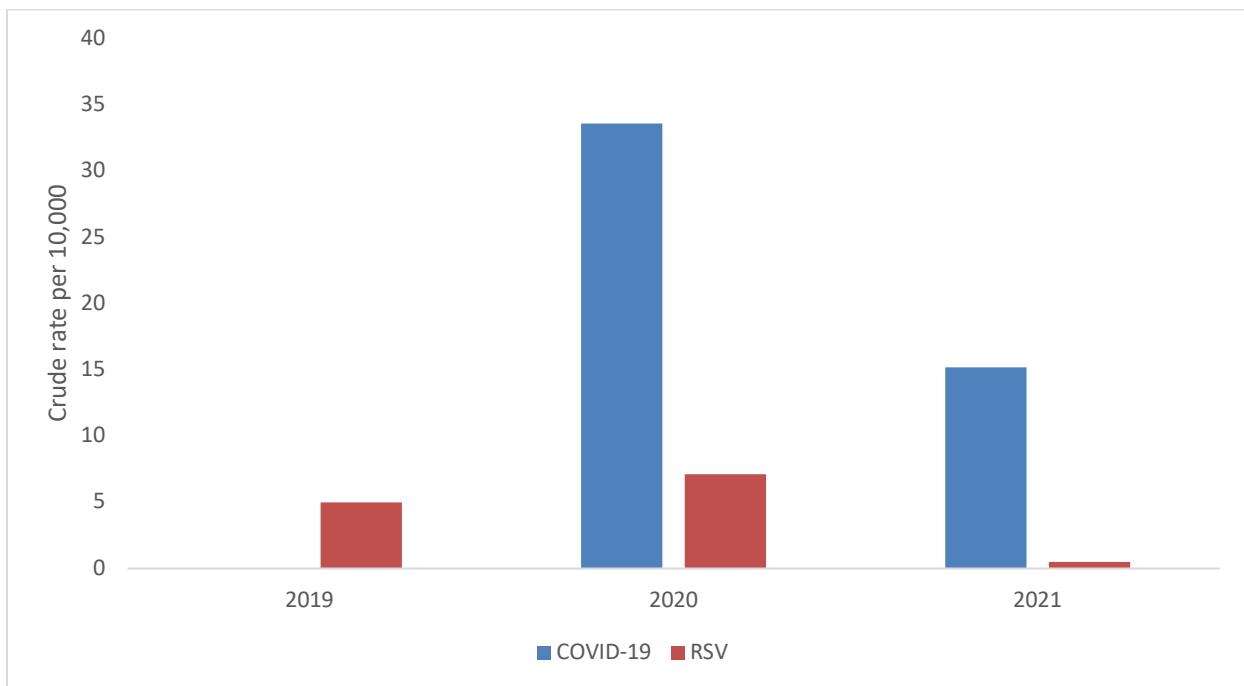


Table 99 Navajo Special Infectious Diseases ER Visit Rates

Injury Type	2018	2019	2020	2021	Movement
Plague	0	0	0	0	↔
Tularemia	0	0	0	0	↔
Group A Streptococcus	0	0	NA	0	↔
Gonococcal Infections	4.43 (3.45, 5.41)	7.72	4.56	5.87	↔
Chlamydia	2.71 (1.97, 3.44)	3.07	1.75	2.67	↔
Genital Herpes	2.68 (1.89, 3.46)	3.80	3.24	2.99	↔
Rocky Mountain Spotted Fever	0	NA	0	0	↔
West Nile Virus	0	NA	0	0	↔
Hanta Virus	0	NA	NA	NA	NA
Coccidioidomycosis	0.28 (0.03, 0.52)	0.18	0.33	NA	NA
RSV	NA	17.11	30.29	3.54	NA
COVID-19	NA	NA	189.5	138.0	NA

Table 100 Navajo Special Infectious Diseases ER Visit Rates, by Gender

Injury Type	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Plague	0	0	0	0	0	0
Tularemia	0	0	0	0	0	0
Group A Streptococcus	0	0	NA	0	0	0
Gonococcal Infections	6.51	8.98	4.10	5.05	5.90	5.83
Chlamydia	3.85	2.26	2.16	1.31	3.78	1.51
Genital Herpes	4.20	3.38	3.24	3.24	3.71	2.24
Rocky Mountain Spotted Fever	0	NA	0	0	0	0
West Nile Virus	0	0	0	0	0	NA
Hanta Virus	NA	0	0	NA	0	NA
Coccidioidomycosis	NA	NA	NA	NA	0	NA
RSV	15.22	19.08	29.26	31.37	2.38	4.74
COVID-19	NA	NA	195.9	182.9	145.0	130.8

Table 101 Navajo Special Infectious Diseases Hospitalization Rates

Injury Type	2018	2019	2020	2021	Movement
Plague	0	0	0	0	↔
Tularemia	0	0	0	0	↔
Group A Streptococcus	1.12 (0.64, 1.61)	0.64	0.66	1.16	↔
Gonococcal Infections	1.61 (0.97, 2.24)	1.86	1.49	2.20	↔
Chlamydia	1.10 (0.60, 1.59)	1.00	1.08	1.01	↔
Genital Herpes	0.39 (0.07, 0.71)	NA	0.51	0.40	↔
Rocky Mountain Spotted Fever	NA	0	0	0	NA
West Nile Virus	0	0	0	0	↔
Hanta Virus	NA	0	0	0	NA
Coccidioidomycosis	0.57 (0.21, 0.94)	0.42	0.28	0.27	↔
RSV	NA	4.42	6.62	0.43	NA
COVID-19	NA	NA	35.45	15.85	NA

Table 102 Navajo Special Infectious Diseases Hospitalization Rates, by Gender

Injury Type	2019		2020		2021	
	Female	Male	Female	Male	Female	Male
Plague	0	0	0	0	0	0
Tularemia	0	0	0	0	0	0
Group A Streptococcus	0.56	0.73	0.75	0.56	1.21	1.10
Gonococcal Infections	2.07	1.65	2.00	0.97	2.87	1.51
Chlamydia	1.44	0.55	1.77	0.37	1.57	NA
Genital Herpes	NA	NA	0.89	NA	0.68	NA
Rocky Mountain Spotted Fever	0	0	0	0	0	0
West Nile Virus	0	0	0	0	0	0
Hanta Virus	0	0	0	0	0	0
Coccidioidomycosis	0.56	NA	NA	NA	NA	0.55
RSV	3.87	5.01	6.26	7.00	NA	0.64
COVID-19	NA	NA	38.09	32.71	16.03	15.66

Table 103 Navajo Special Infectious Diseases Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2019

Injury Type	Hospitalization	ER	Urgent Care
Plague (N=1)			
Tularemia (N=1)			
Group A Streptococcus (N=25)	52.0%	0%	0%
Gonococcal Infections (N=589)	5.9%	25.6%	8.1%
Chlamydia (N=471)	4.5%	13.6%	5.3%
Genital Herpes (N=292)	0.7%	25.3%	4.1%
Rocky Mountain Spotted Fever (N=4)			
West Nile Virus (N=2)			
Hanta Virus (N=6)	0%	16.7%	0%
Coccidioidomycosis (N=80)	10.0%	5.0%	3.8%
RSV (N=901)	11.7%	44.6%	5.4%
COVID-19	NA	NA	NA

Table 104 Navajo Special Infectious Diseases Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2020

Injury Type	Hospitalization	ER	Urgent Care
Plague (N=1)			
Tularemia (N=0)			
Group A Streptococcus (N=24)	58.3%	4.2%	0%
Gonococcal Infections (N=418)	6.7%	22.0%	8.1%
Chlamydia (N=305)	7.5%	12.1%	5.6%
Genital Herpes (N=208)	4.8%	30.3%	2.9%
Rocky Mountain Spotted Fever (N=0)			
West Nile Virus (N=0)			
Hanta Virus (N=6)	0%	16.7%	0%
Coccidioidomycosis (N=46)	10.9%	13.0%	4.3%
RSV (N=1325)	11.4%	52.8%	2.5%
COVID-19 (N=26,631)	2.7%	14.1%	2.0%

Table 105 Navajo Special Infectious Diseases Distribution of Clinic Site (Hospitalization, ER, Urgent Care, All Other) 2021

Injury Type	Hospitalization	ER	Urgent Care
Plague (N=0)			
Tularemia (N=0)			
Group A Streptococcus (N=26)	88.5%	0%	0%
Gonococcal Infections (N=459)	8.7%	24.4%	5.4%
Chlamydia (N=355)	5.6%	15.5%	2.0%
Genital Herpes (N=227)	4.0%	24.7%	4.0%
Rocky Mountain Spotted Fever (N=2)			
West Nile Virus (N=2)			
Hanta Virus (N=2)			
Coccidioidomycosis (N=60)	8.3%	3.3%	0%
RSV (N=136)	7.4%	55.9%	2.9%
COVID-19 (N=21,450)	1.5%	13.2%	1.3%

Appendix

Table A-1 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 infection	J22
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

Table A-2 Navajo Special Health Conditions

Infectious Diseases	
Health Condition	ICD-10 Code
Plague	A20
Tularemia	A21
Group A Streptococcus	A40.0
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
RSV	B97.4, J12.1, J20.5, J21.0
COVID-19	U07.1, U09.9
Mental and behavioral disorders	
Dementia	F01-F03

Depression	F32-F33
Anxiety	F41

Table A-3 Leading Causes of “Other Infection” Hospitalization, 2019

Code	Count	Description	Cumulative Percent of total
B96.20	256	Unspecified E. coli	18.4%
B95.61	121	Methicillin susceptible Staphylococcus aureus infection as the cause of diseases classified elsewhere	27.1%
B96.89	107	Other specified bacterial agents as the cause of diseases classified elsewhere	34.8%
B95.1	95	Streptococcus, group B, as the cause of diseases classified elsewhere	41.7%
B96.1	87	Klebsiella pneumoniae [K. pneumoniae] as the cause of diseases classified elsewhere	47.9%
B95.0	53	Streptococcus, group A, as the cause of diseases classified elsewhere	51.8%
B95.62	51	Methicillin resistant Staphylococcus aureus infection as the cause of diseases classified elsewhere	55.4%
B95.2	49	Enterococcus as the cause of diseases classified elsewhere	59.0%
B95.4	47	Other streptococcus as the cause of diseases classified elsewhere	62.3%
B95.7	47	Other staphylococcus as the cause of diseases classified elsewhere	65.7%
B96.29	43	Other Escherichia coli [E. coli] as the cause of diseases classified elsewhere	68.8%
B35.3	31	Tinea pedis (athlete's foot)	71.1%
B34.9	25	Viral infection, unspecified	72.9%
B35.1	23	Tinea unguium (Nail fungus)	74.5%
B96.5	22	Pseudomonas (aeruginosa) (mallei) (pseudomallei) as the cause of diseases classified elsewhere	76.1%
B96.4	21	Proteus (mirabilis) (morganii) as the cause of diseases classified elsewhere	77.6%
B37.0	20	Candidal stomatitis (Oral thrush)	79.0%
A48.0	15	Gas Gangrene	80.1%
B95.8	14	Unspecified staphylococcus as the cause of disease elsewhere classified	81.1%
B34.8	13	Other viral infections of unspecified site	82.1%
B95.5	13	Unspecified streptococcus as the cause of disease elsewhere classified	83.0%

Table A-4 Leading Causes of “Other Infection” Hospitalization, 2020

Code	Count	Description	Cumulative Percent of total
B96.20	312	Unspecified E. coli	20.3%
B95.61	128	Methicillin susceptible Staphylococcus aureus infection as the cause of diseases classified elsewhere	28.6%
B95.1	128	Streptococcus, group B, as the cause of diseases classified elsewhere	36.9%
B96.1	113	Klebsiella pneumoniae [K. pneumoniae] as the cause of diseases classified elsewhere	44.3%
B96.89	82	Other specified bacterial agents as the cause of diseases classified elsewhere	49.6%
B95.2	62	Enterococcus as the cause of diseases classified elsewhere	53.6%
B95.62	46	Methicillin resistant Staphylococcus aureus infection as the cause of diseases classified elsewhere	56.6%
B95.0	38	Streptococcus, group A, as the cause of diseases classified elsewhere	59.1%
B95.7	36	Other staphylococcus as the cause of diseases classified elsewhere	61.4%
B35.3	35	Tinea pedis (athlete's foot)	63.7%
B37.3	33	Candidiasis of vulva and vagina	65.8%
B95.4	32	Other streptococcus as the cause of diseases classified elsewhere	67.9%
B96.5	29	Pseudomonas (aeruginosa) (mallei) (pseudomallei) as the cause of diseases classified elsewhere	69.8%
B96.4	27	Proteus (mirabilis) (morganii) as the cause of diseases classified elsewhere	71.5%
B34.2	26	Coronavirus infection	73.2%
B34.9	24	Viral infection, unspecified	74.8%
B37.0	24	Candidal stomatitis (Oral thrush)	76.3%
B35.1	23	Tinea unguium (Nail fungus)	77.8%
B96.81	20	Helicobacter pylori as the cause of diseases classified elsewhere	79.1%
B97.4	18	RSV as the cause of diseases classified elsewhere	80.3%

Table A-5 Leading Causes of “Other Infection” Hospitalization, 2021

Code	Count	Description	Cumulative Percent of total
B96.20	337	Unspecified E. coli	21.01%
B95.61	138	Methicillin susceptible Staphylococcus aureus infection as the cause of diseases classified elsewhere	8.60%
B95.1	109	Streptococcus, group B, as the cause of diseases classified elsewhere	6.80%
B96.1	107	Klebsiella pneumoniae [K. pneumoniae] as the cause of diseases classified elsewhere	6.67%
B96.89	89	Other specified bacterial agents as the cause of diseases classified elsewhere	5.55%
B95.0	70	Streptococcus, group A, as the cause of diseases classified elsewhere	4.36%
B95.2	61	Enterococcus as the cause of diseases classified elsewhere	3.80%
B34.8	48	Other viral infections of unspecified site	2.99%
B95.62	47	Methicillin resistant Staphylococcus aureus infection as the cause of diseases classified elsewhere	2.93%
B96.5	38	Pseudomonas (aeruginosa) (mallei) (pseudomallei) as the cause of diseases classified elsewhere	2.37%
B95.7	36	Other staphylococcus as the cause of diseases classified elsewhere	2.24%
B35.3	35	Tinea pedis (athlete's foot)	2.18%
B95.4	35	Other streptococcus as the cause of diseases classified elsewhere	2.18%
B96.4	32	Proteus (mirabilis) (morganii) as the cause of diseases classified elsewhere	2.00%
B96.81	30	Helicobacter pylori as the cause of diseases classified elsewhere	1.87%
B37.2	27	Candidiasis of skin and nail	1.68%
B37.3	25	Candidiasis of vulva and vagina	1.56%
A74.9	22	Chlamydial infection unspecified	1.37%
B35.1	20	Tinea unguium (Nail fungus)	1.25%
B37.0	19	Candidal stomatitis (Oral thrush)	1.18%

Table A-6 Leading Cause of Other Respiratory Disease Emergency Room Visits, 2019

Code	Count	Description	Percent of Total
J02.0-J02.9	6,323	Acute pharyngitis	29.59%
J06-J06.9	5,757	Acute upper respiratory infections of multiple and unspecified sites	26.94%
J30.0-J30.9	1,783	Vasomotor and allergic rhinitis	8.34%
J01.00-J01.91	1,641	Acute sinusitis	7.68%
J00	1,506	Acute nasopharyngitis	7.05%
J32.0-J32.9	1,054	Chronic sinusitis	4.93%
J03.00-J03.91	636	Acute tonsillitis	2.98%
J34.0-J34.9	580	Other specified disorders of nose and nasal sinuses	2.71%
J31.0-J31.2	227	Chronic rhinitis, nasopharyngitis, and pharyngitis	1.06%
J05.0-05.10	226	Croup and epiglottitis	1.06%
J98.01	214	Acute Bronchospasm	1.0%
J04.0-J04.10	202	Acute laryngitis and tracheitis	0.95%

Table A-7 Leading Cause of Other Respiratory Disease Emergency Room Visits, 2020

Code	Count	Description	Percent of Total
J02.0-J02.9	3,884	Acute pharyngitis	29.3%
J06-J06.9	3,488	Acute upper respiratory infections of multiple and unspecified sites	26.3%
J30.0-J30.9	1,098	Vasomotor and allergic rhinitis	8.3%
J00	824	Acute nasopharyngitis	6.2%
J01.00-J01.91	720	Acute sinusitis	5.4%
J96.00-J96.92	704	Respiratory failure	5.3%
J32.0-J32.9	545	Chronic sinusitis	4.1%
J34.0-J34.9	417	Other specified disorders of nose and nasal sinuses	3.2%
J03.00-J03.91	307	Acute tonsillitis	2.3%
J31.0-J31.2	167	Chronic rhinitis, nasopharyngitis, and pharyngitis	1.3%
J90.0	152	Pleural effusion, not elsewhere classified	1.2%
J98.01	128	Acute Bronchospasm	1.0%

Table A-8 Leading Cause of Other Respiratory Disease Emergency Room Visits, 2021

Code	Count	Description	Percent of Total
J02.0-J02.9	2,738	Acute pharyngitis	28.99%
J06-J06.9	2,079	Acute upper respiratory infections of multiple and unspecified sites	22.01%
J30.0-J30.9	1,071	Vasomotor and allergic rhinitis	11.34%
J96.00-J96.92	557	Respiratory failure	5.90%
J00	467	Acute nasopharyngitis	4.94%
J01.00-J01.91	389	Acute sinusitis	4.12%
J34.0-J34.9	387	Other specified disorders of nose and nasal sinuses	4.10%
J32.0-J32.9	324	Chronic sinusitis	3.43%
J31.0-J31.2	283	Chronic rhinitis, nasopharyngitis, and pharyngitis	3.00%
J03.00-J03.91	231	Acute tonsillitis	2.45%
J90.0	166	Pleural effusion, not elsewhere classified	1.76%

Table A-9 Other Respiratory Disease Hospitalization, 2019

Code	Count	Description	Percent of Total
J96.01	115	Acute respiratory failure with hypoxia	15.4%
J80.	66	Acute respiratory distress syndrome	8.8%
J90.	46	Pleural effusion, not elsewhere classified	6.1%
J98.11	40	Atelectasis	5.3%
J06.9	35	Acute upper respiratory infection, unspecified	4.7%
J96.21	35	Acute and chronic respiratory failure with hypoxia	4.7%
J96.91	32	Respiratory failure, unspecified with hypoxia	4.3%
J84.10	26	Pulmonary fibrosis, unspecified	3.5%
J96.11	26	Chronic respiratory failure with hypoxia	3.5%
J96.00	20	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia	2.7%
J91.8	18	Pleural effusion in other conditions classified elsewhere	2.4%
J98.4	17	Other disorders of lung	2.3%
J02.9	17	Acute pharyngitis, unspecified	2.3%
J81.1	15	Chronic pulmonary edema	2.0%
J96.90	15	Respiratory failure, unspecified	2.0%
J02.0	14	Streptococcal pharyngitis	1.9%
J30.9	12	Allergic rhinitis, unspecified	1.6%
J1.0-J1.9	12	Acute sinusitis	1.6%
J84.9	10	Interstitial pulmonary disease, unspecified	1.3%
J96.02	10	Acute respiratory failure with hypercapnia	1.3%
J30.2	9	Other seasonal allergic rhinitis	1.2%

Table A-10 Other Respiratory Disease Hospitalization, 2020

Code	Count	Description	Percent of Total
J96.01	1,008	Acute respiratory failure with hypoxia	52.7%
J80.	107	Acute respiratory distress syndrome	5.6%
J96.91	93	Respiratory failure, unspecified with hypoxia	4.9%
J98.11	71	Atelectasis	3.7%
J90.	62	Pleural effusion, not elsewhere classified	3.2%
J96.21	43	Acute and chronic respiratory failure with hypoxia	2.3%
J02.9	30	Acute pharyngitis, unspecified	1.6%
J96.11	30	Chronic respiratory failure with hypoxia	1.6%
J84.10	29	Pulmonary fibrosis, unspecified	1.5%
J98.4	28	Other disorders of lung	1.5%
J96.00	27	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia	1.4%
J30.9	26	Allergic rhinitis, unspecified	1.4%
J06.9	25	Acute upper respiratory infection, unspecified	1.3%
J30.2	23	Other seasonal allergic rhinitis	1.2%

Table A-11 Other Respiratory Disease Hospitalization, 2021

Code	Count	Description	Percent of Total
J96.01	619	Acute respiratory failure with hypoxia	41.4%
J98.11	109	Atelectasis	7.3%
J90.	78	Pleural effusion, not elsewhere classified	5.2%
J96.91	62	Respiratory failure, unspecified with hypoxia	4.2%
J80.	43	Acute respiratory distress syndrome	2.9%
J96.21	43	Acute and chronic respiratory failure with hypoxia	2.9%
J84.10	36	Pulmonary fibrosis, unspecified	2.4%
J02.9	34	Acute pharyngitis, unspecified	2.3%
J96.11	33	Chronic respiratory failure with hypoxia	2.2%
J30.2	29	Other seasonal allergic rhinitis	1.9%
J84.9	29	Interstitial pulmonary disease, unspecified	1.9%
J98.4	26	Other disorders of lung	1.7%
J96.00	24	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia	1.6%
J30.9	20	Allergic rhinitis, unspecified	1.3%
J06.9	17	Acute upper respiratory infection, unspecified	1.1%
J81.1	16	Chronic pulmonary edema	1.1%
J91.8	16	Pleural effusion in other conditions classified elsewhere	1.1%
J96.90	16	Respiratory failure, unspecified	1.1%

Table A-12 Leading cause of hospitalization due to Symptoms, signs and abnormal lab findings (2021)

Code	Count	Condition	Cumulative Percent
R09.02	509	Hypoxemia	7.7
R74.01	390	Elevation of levels of liver transaminase of the liver	13.5
R00.0	290	Tachycardia, unspecified	17.9
R73.03	289	Pre-diabetes	22.2
R79.89	201	Other specified abnormal findings of blood chemistry	25.3
R50.9	196	Fever, unspecified	28.2
R19.7	192	Diarrhea, unspecified	31.1
R53.1	161	Weakness	33.5
R78.81	140	Bacteremia	35.6
R79.82	139	Elevated C Reactive Protein	37.7
R11.2	131	Nausea and Vomiting	39.7
R94.31	117	Abnormal Echocardiogram	41.5
R79.1	107	Abnormal coagulation profile	43.1
R94.5	94	Abnormal results of liver function studies	44.5
R65.21	89	Severe sepsis with septic shock	45.8
R26.81	87	Unsteadiness on feet	47.1
R41.81	77	Altered mental status, unspecified	48.3
R53.81	77	Other Malaise	49.5
R00.1	75	Bradycardia	50.6

Table A-13 Leading Other Non-Transportation Injury Emergency Room Visits, 2019

Code	Count	Injury Type	Cumulative Percent
X58.XXXA-X58.XXXS	2,422	Exposure to other specified factors	18.3%
W22.8XXA-W22.8XXS	1,372	Striking against or struck by other objects	28.7%
X50.0XXA-X50.0XXD	1,279	Overexertion from strenuous movement or load	38.4%
W54.0XXA-W54.0XXS	871	Bitten by dog	45.0%
X50.1XXA-X50.1XXD	638	Overexertion from prolonged static or awkward postures	49.8%
W57.XXXA-W57.XXXS	563	Bitten or stung by nonvenomous insect and other nonvenomous arthropods	54.1%
W20.8XXA-W20.8XXS	522	Other cause of strike by thrown, projected or falling object	58.0%
W45.8XXA-W45.8XXS	513	Other foreign body or object entering through skin	61.9%
W23.0XXA-W23.0XXS	415	Caught, crushed, jammed, or pinched between moving objects	65.1%
X50.3XXA=X50.3XXD	369	Overexertion from repetitive movements	67.9%
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Code	Count	Injury Type	Cumulative Percent
W26.0XXA-W26.0XXS	367	Contact with knife	70.7%
W26.8XXA-W26.8XXD	295	Contact with other sharp object(s), not elsewhere classified	72.9%
W50.0XXA-W50.0XXD	267	Accidental hit or strike by another person	74.9%
W22.09XA-W22.09XS	265	Striking against other stationary object	76.9%
W25.XXXA-W25.XXXS	222	Contact with sharp glass	78.6%
X50.9XXA-X50.9XXD	203	Other and unspecified overexertion or strenuous movements or postures	80.1%
W45.0XXA-W45.0XXD	184	Nail entering through the skin	81.5%
W21.00XA-W21.09XA	178	Struck by Hit or Thrown Ball	82.9%
W23.1XXA-W23.1XXS	159	Caught, crushed, jammed, or pinched between stationary objects	84.1%
W26.9XXA-W26.9XXS	146	Contact with unspecified sharp object	85.2%

Table A-14 Leading Other Non-Transportation Injury Emergency Room Visits, 2020

Code	Count	Injury Type	Cumulative Percent
X58.XXXA-X58.XXXS	1,493	Exposure to other specified factors	17.7%
W22.8XXA-W22.8XXS	887	Striking against or struck by other objects	28.3%
X50.0XXA-X50.0XXD	652	Overexertion from strenuous movement or load	36.0%
W54.0XXA-W54.0XXS	614	Bitten by dog	43.3%
W20.8XXA-W20.8XXS	360	Other cause of strike by thrown, projected or falling object	47.6%
X50.1XXA-X50.1XXD	346	Overexertion from prolonged static or awkward postures	52.7%
W26.0XXA-W26.0XXS	327	Contact with knife	55.5%
W45.8XXA-W45.8XXS	304	Other foreign body or object entering through skin	59.1%
W23.0XXA-W23.0XXS	296	Caught, crushed, jammed, or pinched between moving objects	62.7%
W26.8XXA-W26.8XXD	292	Contact with other sharp object(s), not elsewhere classified	66.1%
W57.XXXA-W57.XXXS	252	Bitten or stung by nonvenomous insect and other nonvenomous arthropods	69.1%
W25.XXXA-W25.XXXS	207	Contact with sharp glass	71.6%
X50.3XXA-X50.3XXD	203	Overexertion from repetitive movements	74.0%
W22.09XA-W22.09XS	194	Striking against other stationary object	76.3%
W45.0XXA-W45.0XXD	148	Nail entering through the skin	78.0%

Table Continued on Next Page

Code	Count	Injury Type	Cumulative Percent
X50.9XXA-X50.9XXD	125	Other and unspecified overexertion or strenuous movements or postures	79.5%
W23.1XXA-W23.1XXS	102	Caught, crushed, jammed, or pinched between stationary objects	80.7%
W26.9XXA-W26.9XXS	100	Contact with unspecified sharp object	81.9%

Table A-15 Leading Other Non-Transportation Injury Emergency Room Visits, 2021

Code	Count	Injury Type	Cumulative Percent
X58.XXXA-X58.XXXS	1,334	Exposure to other specified factors	15.4%
W22.8XXA-W22.8XXS	910	Striking against or struck by other objects	25.8%
W54.0XXA-W54.0XXS	741	Bitten by dog	34.3%
X50.0XXA-X50.0XXD	719	Overexertion from strenuous movement or load	42.6%
W20.8XXA-W20.8XXS	415	Other cause of strike by thrown, projected or falling object	47.4%
X50.1XXA-X50.1XXD	326	Overexertion from prolonged static or awkward postures	51.2%
W26.0XXA-W26.0XXS	324	Contact with knife	54.9%
W26.8XXA-W26.8XXD	293	Contact with other sharp object(s), not elsewhere classified	58.3%
W45.8XXA-W45.8XXS	292	Other foreign body or object entering through skin	61.5%
W57.XXXA-W57.XXXS	289	Bitten or stung by nonvenomous insect and other nonvenomous arthropods	64.9%
W23.0XXA-W23.0XXS	286	Caught, crushed, jammed, or pinched between moving objects	68.2%
W22.09XA-W22.09XS	212	Striking against other stationary object	70.6%
X50.3XXA-X50.3XXD	197	Overexertion from repetitive movements	72.9%
W25.XXXA-W25.XXXS	188	Contact with sharp glass	75.0%
W45.0XXA-W45.0XXD	149	Nail entering through the skin	76.7%
X50.9XXA-X50.9XXD	132	Other and unspecified overexertion or strenuous movements or postures	78.3%
W26.9XXA-W26.9XXS	123	Contact with unspecified sharp object	79.7%
W23.1XXA-W23.1XXS	116	Caught, crushed, jammed, or pinched between stationary objects	81.0%
W50.0XXA-W50.0XXD	105	Accidental hit or strike by another person	82.2%
W55.01XA-W55.01XS	95	Bitten by cat	83.4%

Table A-16 Leading Other Infections Emergency Room Visits, 2019

Code	Count	Description	Percent of Total
B34.9	2,620	Viral infection, unspecified	31.9%
B35.3	392	Tinea pedis (athlete's foot)	36.7%%
B96.89	388	Other specified bacterial agents as the cause of diseases classified elsewhere	41.4%
B37.3	375	Candidiasis of vagina or vulva	46.0%
B02.9	373	Zoster without complications	50.5%
B96.20	298	Unspecified E. coli	54.1%
B35.4	263	Tinea corporis (ringworm)	57.3%
B97.4	233	Respiratory syncytial virus as the cause of diseases classified elsewhere	60.2%
B35.1	218	Tinea unguium (Nail fungus)	62.8%
B86.	191	Scabies	65.2%
B96.81	167	Helicobacter pylori	67.2%
B08.4	164	Enteroviral vesicular stomatitis with exanthem	69.2%
B37.0	137	Candidal stomatitis (Oral thrush)	70.9%
A74.9	130	Chlamydial infection, unspecified	72.4%
B85.0	116	Pediculosis due to Pediculus humanus capitis (Head lice)	73.8%
B09.	113	Unspecified viral infection characterized by skin and mucous membrane lesions	75.2%
B00.1	111	Herpes viral vesicular dermatitis	76.6%
B37.9	106	Candidiasis unspecified	77.9%
A05.9	97	Bacterial foodborne intoxication	79.0%
B37.2	87	Candidiasis of skin and nail	80.1%
B35.6	82	Tinea cruris (Jock itch)	81.1%

Table A-17 Leading Other Infections Emergency Room Visits, 2020

Code	Count	Description	Percent of Total
B34.9	2,428	Viral infection, unspecified	37.5%
B97.4	447	Respiratory syncytial virus as the cause of diseases classified elsewhere	44.4%
B96.20	353	Unspecified E. coli	49.9%
B02.9	305	Zoster without complications	54.6%
B96.89	261	Other specified bacterial agents as the cause of diseases classified elsewhere	58.6%
B37.3	198	Candidiasis of vagina or vulva	61.7%
B97.29	195	Other coronavirus as the cause of disease not elsewhere classified	64.7%
B35.3	134	Tinea pedis (athlete's foot)	66.7%
B35.4	125	Tinea corpolis (ringworm)	68.7%
B34.2	120	Coronavirus infection	70.5%

Code	Count	Description	Percent of Total
B96.81	88	Helicobacter pylori	71.9%
B86.	83	Scabies	73.2%
B37.0	78	Candidal stomatitis (Oral thrush)	74.4%
B37.9	78	Candidiasis unspecified	75.6%
B96.1	75	Klebsiella pneumonia	76.7%
A74.9	72	Chlamydial infection, unspecified	77.8%
B97.89	70	Other viral agents as the cause of diseases classified elsewhere	78.9%
B00.1	67	Herpes viral vesicular dermatitis	79.9%

Table A-18 Leading Other Infections Emergency Room Visits, 2021

Code	Count	Description	Percent of Total
B34.9	1,747	Viral infection, unspecified	30.7%
B96.20	348	Unspecified E. coli	36.8%
B34.8	292	Other viral infections of unspecified site	41.9%
B96.89	258	Other specified bacterial agents as the cause of diseases classified elsewhere	46.4%
B02.9	242	Zoster without complications	50.7%
B37.3	216	Candidiasis of vagina or vulva	54.5%
B35.3	172	Tinea pedis (athlete's foot)	57.5%
B37.9	116	Candidiasis unspecified	59.5%
B35.4	101	Tinea corporis (ringworm)	61.3%
A74.9	95	Chlamydial infection, unspecified	63.0%
B96.1	95	Klebsiella pneumonia	64.6%
A64.	90	Unspecified sexually transmitted disease	66.2%
A05.9	87	Bacterial foodborne intoxication	67.7%
B35.1	83	Tinea unguium (Nail fungus)	69.2%
B37.0	77	Candidal stomatitis (Oral thrush)	70.5%
B96.29	73	Other Escherichia coli as the cause of disease classified elsewhere	71.8%
B97.89	69	Other viral agents as the cause of diseases classified elsewhere	73.0%
B86.	60	Scabies	74.1%
B35.6	56	Tinea cruris (Jock itch)	75.1%
B95.0	56	Streptococcus, group A, as the cause of diseases classified elsewhere	76.0%
B00.1	54	Herpes viral vesicular dermatitis	77.0%
B97.4	54	Respiratory syncytial virus as the cause of diseases classified elsewhere	77.9%