

February 2024

# 2021 Health Status Report: Peoria

Maricopa County  
Department of Public Health  
Division of Epidemiology and Informatics

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	MORBIDITY	RACE/ETHNICITY					OVERALL
		White	Hispanic/ Latinx	African American/Black	American Indian	Asian	
CHRONIC DISEASES	Alzheimer’s Disease	*	0.0	*	0.0	0.0	3.7
	Arthritis	4.9	*	*	0.0	0.0	5.3
	Asthma	*	*	*	0.0	*	27.2
	Cardiovascular Disease	1451.4	614.1	1709.5	751.9	465.0	1330.1
	Chronic Obstructive Pulmonary Disease	96.9	46.6	*	0.0	*	84.7
	Diabetes	*	*	*	*	*	151.8
	Liver Disease	55.7	72.6	*	*	*	60.2
	Stroke	*	*	*	*	*	275.4
CANCER <sup>1</sup>	Lung Cancer	29.3	*	*	0.0	*	25.6
	Breast Cancer	*	0.0	0.0	0.0	0.0	*
	Prostate Cancer	*	0.0	*	0.0	0.0	19.9
MENTAL HEALTH DISORDERS	Schizophrenic Disorders	117.1	116.6	260.5	501.3	98.9	132.6
	Mood Disorders	877.3	717.7	1172.3	2506.3	395.7	905.0
	Drug-induced Disorders	*	*	*	*	*	145.4
	All Mental Health Disorders	923.3	759.2	1204.8	2506.3	405.6	950.8
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	42.5	*	*	*	*	39.4
	Drug Overdose	47.4	36.3	*	0.0	*	47.4
	Opioid-related	15.3	*	*	0.0	*	13.9
	Violence-related	8.4	*	*	0.0	*	10.7
	Motor Vehicle Crash	*	*	*	0.0	*	84.2
	Suicide	20.2	23.3	0.0	0.0	39.6	23.4
	Falls	291.3	95.9	146.5	*	118.7	256.2
	Heat Related	4.9	0.0	0.0	0.0	0.0	3.7
INFECTIOUS DISEASE	Influenza/Pneumonia	*	*	*	*	*	130.0

<sup>1</sup> Breast cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

\* Denotes indicators with a count of 5 or less

**Table 2.** Crude Emergency Department Visit Rates (per 100,000), by Race/Ethnicity, for Select Morbidities—Peoria, 2021

MORBIDITY	RACE/ETHNICITY					OVERALL	
	White	Hispanic/Latinx	African American/Black	American Indian	Asian		
CHRONIC DISEASES	Alzheimer’s Disease	*	*	0.0	0.0	0.0	3.7
	Arthritis	39.7	18.1	*	0.0	0.0	36.8
	Asthma	*	*	*	*	*	193.9
	Cardiovascular Disease	1038.2	575.2	1937.5	814.5	435.3	1016.9
	Chronic Obstructive Pulmonary Disease	*	*	*	*	0.0	140.6
	Diabetes	158.2	191.7	521.0	*	*	185.4
	Liver Disease	*	*	0.0	*	0.0	42.1
	Stroke	66.9	41.5	*	0.0	*	62.9
CANCER <sup>1</sup>	Lung Cancer	*	0.0	*	0.0	0.0	4.8
	Breast Cancer	*	*	0.0	0.0	0.0	9.2
	Prostate Cancer	*	0.0	0.0	0.0	0.0	*
MENTAL HEALTH DISORDERS	Schizophrenic Disorders	29.3	23.3	*	*	*	31.4
	Mood Disorders	415.3	303.2	586.1	1378.5	138.5	424.0
	Drug-induced Disorders	256.4	196.9	407.0	1190.5	89.0	269.5
	All Mental Health Disorders	644.5	502.7	928.0	1566.4	257.2	660.0
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	*	*	0.0	0.0	0.0	5.9
	Drug Overdose	*	*	*	*	*	155.0
	Opioid-related	*	*	*	*	0.0	48.5
	Violence-related	113.6	181.4	537.3	*	*	147.6
	Motor Vehicle Crash	524.7	658.1	2018.9	375.9	356.2	634.9
	Suicide	100.3	77.7	*	*	*	100.7
	Falls	2083.4	1352.5	2360.8	1190.5	554.0	2001.8
	Heat Related	*	*	0.0	*	0.0	24.0
Infectious Disease	Influenza/Pneumonia	*	*	*	*	*	277.0

<sup>1</sup> Breast cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

\* Denotes indicators with a count of 5 or less

**Table 3.** Crude Hospitalization Rates (per 100,000), by Sex, for Select Morbidities—Peoria, 2021

MORBIDITY	SEX		OVERALL	
	Male	Female		
CHRONIC DISEASES	Alzheimer’s Disease	*	*	3.7
	Arthritis	*	*	5.3
	Asthma	23.3	30.8	27.2
	Cardiovascular Disease	1502.4	1170.3	1330.1
	Chronic Obstructive Pulmonary Disease	69.8	98.6	84.7
	Diabetes	190.4	116.0	151.8
	Liver Disease	55.4	64.7	60.2
	Stroke	280.1	271.0	275.4
CANCER <sup>1</sup>	Lung Cancer	26.6	24.6	25.6
	Breast Cancer	-	*	*
	Prostate Cancer	19.9	-	19.9
MENTAL HEALTH DISORDERS	Schizophrenic Disorders	176.0	92.4	132.6
	Mood Disorders	992.0	824.3	905.0
	Drug-induced Disorders	203.7	91.4	145.4
	All Mental Health Disorders	1034.1	873.6	950.8
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	56.5	23.6	39.4
	Drug Overdose	50.9	44.1	47.4
	Opioid-related	15.5	12.3	13.9
	Violence-related	*	*	10.7
	Motor Vehicle Crash	120.7	50.3	84.2
	Suicide	18.8	27.7	23.4
	Falls	208.1	300.8	256.2
	Heat Related	*	*	3.7
INFECTIOUS DISEASE	Influenza/Pneumonia	142.8	118.1	130.0

<sup>1</sup> Breast cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

\* Denotes indicators with a count of 5 or less

**Table 4.** Crude Emergency Department Visit Rates (per 100,000), by Sex, for Select Morbidities—Peoria, 2021

MORBIDITY	SEX		OVERALL	
	Male	Female		
CHRONIC DISEASES	Alzheimer’s Disease	*	*	3.7
	Arthritis	49.8	24.6	36.8
	Asthma	150.6	234.1	193.9
	Cardiovascular Disease	996.4	1035.8	1016.9
	Chronic Obstructive Pulmonary Disease	114.0	165.3	140.6
	Diabetes	197.1	174.5	185.4
	Liver Disease	56.5	28.7	42.1
	Stroke	66.4	59.5	62.9
CANCER <sup>1</sup>	Lung Cancer	*	*	4.8
	Breast Cancer	-	9.2	9.2
	Prostate Cancer	*	-	*
MENTAL HEALTH DISORDERS	Schizophrenic Disorders	38.8	24.6	31.4
	Mood Disorders	493.8	359.3	424.0
	Drug-induced Disorders	362.0	183.8	269.5
	All Mental Health Disorders	682.0	639.6	660.0
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	*	*	5.9
	Drug Overdose	160.5	149.9	155.0
	Opioid-related	66.4	31.8	48.5
	Violence-related	170.5	125.2	147.6
	Motor Vehicle Crash	674.3	596.4	634.9
	Suicide	63.1	135.5	100.7
	Falls	1744.9	2240.0	2001.8
	Heat Related	31.0	17.5	24.0
INFECTIOUS DISEASE	Influenza/Pneumonia	271.3	282.3	277.0

<sup>1</sup> Breast cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

\* Denotes indicators with a count of 5 or less

**Table 5.** Crude Hospitalization Rates (per 100,000), by Age Group, for Select Morbidities—Peoria, 2021

MORBIDITY		AGE GROUP					OVERALL
		1-14	15-24	25-44	45-64	65+	
CHRONIC DISEASES	Alzheimer’s Disease	0.0	0.0	0.0	0.0	21.0	3.7
	Arthritis	*	0.0	*	*	*	5.3
	Asthma	*	*	*	*	*	27.2
	Cardiovascular Disease	17.0	41.0	244.5	1274.6	5174.1	1330.1
	Chronic Obstructive Pulmonary Disease	0.0	0.0	*	111.0	300.0	84.7
	Diabetes	39.6	63.8	107.2	222.0	285.0	151.8
	Liver Disease	0.0	0.0	72.9	91.2	99.0	60.2
CANCER <sup>1</sup>	Stroke	*	*	36.5	214.1	1163.8	275.4
	Lung Cancer	0.0	0.0	0.0	19.8	114.0	25.6
	Breast Cancer	0.0	0.0	*	*	*	*
MENTAL HEALTH DISORDERS	Prostate Cancer	0.0	0.0	0.0	37.2	61.4	19.9
	Schizophrenic Disorders	*	*	*	*	*	132.6
	Mood Disorders	390.2	1821.7	1415.6	705.7	434.9	905.0
	Drug-induced Disorders	0.0	*	*	*	*	145.4
SUBSTANCE ABUSE AND OTHER INJURY	All Mental Health Disorders	429.8	1935.6	1462.7	737.4	461.9	950.8
	Alcohol-related	0.0	0.0	57.9	75.3	27.0	39.4
	Drug Overdose	*	*	*	*	*	47.4
	Opioid-related	*	31.9	17.2	11.9	*	13.9
	Violence-related	*	*	19.3	11.9	*	10.7
	Motor Vehicle Crash	19.8	95.6	124.4	91.2	78.0	84.2
	Suicide	*	50.1	32.2	19.8	*	23.4
	Falls	*	*	*	*	*	256.2
INFECTIOUS DISEASE	Heat Related	0.0	*	*	*	*	3.7
	Influenza/Pneumonia	*	*	*	*	*	130.0

<sup>1</sup> Breast cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

\* Denotes indicators with a count of 5 or less

**Table 6.** Crude Emergency Department Visit Rates (per 100,000), by Age Group, for Select Morbidities—Peoria, 2021

	MORBIDITY	AGE GROUP					OVERALL
		1-14	15-24	25-44	45-64	65+	
CHRONIC DISEASES	Alzheimer's Disease	0.0	0.0	0.0	0.0	21.0	3.7
	Arthritis	0.0	0.0	25.7	41.6	108.0	36.8
	Asthma	342.2	218.6	240.2	111.0	81.0	193.9
	Cardiovascular Disease	59.4	209.5	551.2	1217.1	2912.5	1016.9
	Chronic Obstructive Pulmonary Disease	33.9	45.5	79.4	186.3	332.9	140.6
	Diabetes	45.2	77.4	169.4	253.7	323.9	185.4
	Liver Disease	*	*	47.2	83.3	33.0	42.1
	Stroke	*	*	*	57.5	249.0	62.9
CANCER <sup>1</sup>	Lung Cancer	0.0	0.0	*	*	18.0	4.8
	Breast Cancer	0.0	0.0	*	*	0.0	9.2
	Prostate Cancer	0.0	0.0	0.0	0.0	*	*
MENTAL HEALTH DISORDERS	Schizophrenic Disorders	*	*	*	*	*	31.4
	Mood Disorders	135.7	792.5	669.2	348.9	258.0	424.0
	Drug-induced Disorders	*	*	*	*	*	269.5
	All Mental Health Disorders	231.9	1216.0	1008.0	551.1	425.9	660.0
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	0.0	0.0	*	*	*	5.9
	Drug Overdose	90.5	482.8	190.9	89.2	57.0	155.0
	Opioid-related	*	118.4	105.1	23.8	*	48.5
	Violence-related	79.2	332.5	253.1	101.1	21.0	147.6
	Motor Vehicle Crash	260.2	1366.3	956.6	499.5	306.0	634.9
	Suicide	96.1	432.7	77.2	29.7	27.0	100.7
	Falls	2301.8	1056.6	922.3	1310.3	4862.2	2001.8
	Heat Related	*	50.1	42.9	19.8	*	24.0
INFECTIOUS DISEASE	Influenza/Pneumonia	246.0	209.5	300.3	257.7	350.9	277.0

<sup>1</sup> Breast cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

\* Denotes indicators with a count of 5 or less

**Table 7.** Crude Death Rates (per 100,000), by Race/Ethnicity, for Select Morbidities—Peoria, 2021

MORBIDITY	RACE/ETHNICITY					OVERALL	
	White	Hispanic/Latinx	African American/Black	American Indian	Asian		
<b>CHRONIC DISEASES</b>	Alzheimer’s Disease	69.0	31.1	*	0.0	*	61.3
	Asthma	*	*	0.0	0.0	0.0	3.2
	Cardiovascular Disease	*	*	*	0.0	*	216.8
	Chronic Obstructive Pulmonary Disease	69.0	15.6	*	0.0	*	58.1
	Diabetes	27.9	41.5	*	*	*	33.6
	Liver Disease	21.6	23.3	0.0	*	*	22.4
	Stroke	71.1	23.3	*	0.0	*	61.3
<b>CANCER<sup>1</sup></b>	Lung Cancer	53.0	*	*	0.0	*	43.7
	Breast Cancer	27.8	*	0.0	0.0	*	21.6
	Prostate Cancer	40.5	*	*	0.0	0.0	37.6
<b>SUBSTANCE ABUSE AND OTHER INJURY</b>	Alcohol-related	26.5	*	*	*	0.0	24.0
	Drug Overdose	24.4	33.7	*	*	0.0	28.8
	Opioid-related (excluding heroin)	21.6	28.5	*	*	0.0	25.6
	Violence-related	*	*	*	0.0	0.0	3.7
	Motor Vehicle Crash	*	*	0.0	0.0	0.0	11.7
	Suicide	14.6	*	*	*	0.0	14.9
	Falls	*	*	0.0	0.0	*	21.3
<b>INFECTIOUS DISEASE</b>	Influenza/Pneumonia	*	*	0.0	0.0	0.0	14.4

<sup>1</sup> Breast cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

\* Denotes indicators with a count of 5 or less

**Table 8.** Crude Death Rates (per 100,000), by Sex, for Select Morbidities— Peoria, 2021

MORBIDITY	SEX		OVERALL	
	Male	Female		
CHRONIC DISEASES	Alzheimer's Disease	41.0	80.1	61.3
	Asthma	*	*	*
	Cardiovascular Disease	223.6	210.5	216.8
	Chronic Obstructive Pulmonary Disease	59.8	56.5	58.1
	Diabetes	48.7	19.5	33.6
	Liver Disease	26.6	18.5	22.4
	Stroke	57.6	64.7	61.3
CANCER <sup>1</sup>	Lung Cancer	46.5	41.1	43.7
	Breast Cancer	-	21.6	21.6
	Prostate Cancer	37.6	-	37.6
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	36.5	12.3	24.0
	Drug Overdose	34.3	23.6	28.8
	Opioid-related (excluding heroin)	31.0	20.5	25.6
	Violence-related	*	*	3.7
	Motor Vehicle Crash	15.5	8.2	11.7
	Suicide	*	*	14.9
	Falls	16.6	25.7	21.3
INFECTIOUS DISEASE	Influenza/Pneumonia	16.6	12.3	14.4

<sup>1</sup> Breast cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

\* Denotes indicators with a count of 5 or less

**Table 9.** Crude Death Rates (per 100,000), by Age Group, for Select Diseases— Peoria, 2021

MORBIDITY		AGE GROUP					OVERALL
		1-14	15-24	25-44	45-64	65+	
CHRONIC DISEASES	Alzheimer's Disease	0.0	0.0	0.0	*	*	61.3
	Asthma	0.0	*	0.0	*	*	3.2
	Cardiovascular Disease	0.0	0.0	17.2	65.4	1097.8	216.8
	Chronic Obstructive Pulmonary Disease	0.0	0.0	0.0	19.8	297.0	58.1
	Diabetes	0.0	0.0	*	*	*	33.6
	Liver Disease	0.0	0.0	*	*	*	22.4
	Stroke	0.0	0.0	*	*	*	61.3
CANCER <sup>1</sup>	Lung Cancer	0.0	0.0	0.0	25.8	207.0	43.7
	Breast Cancer	0.0	0.0	*	*	*	21.6
	Prostate Cancer	0.0	0.0	0.0	*	*	37.6
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	0.0	0.0	12.9	53.5	36.0	24.0
	Drug Overdose	0.0	*	*	*	*	28.8
	Opioid-related	0.0	*	*	*	*	25.6
	Violence-Related	0.0	*	*	*	*	3.7
	Motor Vehicle Crash	*	*	*	15.9	*	11.7
	Suicide	0.0	*	23.6	17.8	*	14.9
	Falls	0.0	0.0	0.0	*	*	21.3
INFECTIOUS DISEASE	Influenza/Pneumonia	0.0	0.0	*	*	60.0	14.4

<sup>1</sup> Breast cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

\* Denotes indicators with a count of 5 or less

**Figure 1.** Top 10<sup>1</sup> Reasons for Hospitalizations— Peoria, 2021

Rank	Reason for Hospitalization
1	Cardiovascular Disease
2	All Mental Health Related Conditions
3	Bacterial Infection
4	COVID-19
5	Injuries
6	Complications of Surgical and Medical care
7	Stroke
8	All Cancer
9	Disease of the Intestines
10	Disorders of Gallbladder and Pancreas

<sup>1</sup> Pregnancy and early life care were not considered part of this analysis.

**Figure 2.** Top 10 Reasons<sup>1</sup> for ED Visits— Peoria, 2021

Rank	Reason for ED Visit
1	Injuries
2	Respiratory and Circulatory Issues
3	Digestive and Abdominal Issues
4	COVID-19
5	Cardiovascular Disease
6	Acute Upper Respiratory Infections
7	Diseases of the Urinary System
8	All Mental Health Related Conditions
9	Disease of the Intestines
10	Emotional State Not Categorized Elsewhere

<sup>1</sup> The top 10 excluded the “General Symptoms and Signs” reasons for ED visit.

**Figure 3.** Top 10 Causes for Deaths— Peoria, 2021

Rank	Cause of Death
1	Heart Disease
2	All Cancer
3	COVID-19
4	Stroke
5	Alzheimer Disease
6	Chronic Lower Respiratory Disease
7	Unintentional Injuries
8	Diabetes
9	Hypertension
10	Fall

**Table 10.** Crude Rate (per 1,000) of Select Birth Indicators<sup>1</sup>, by Race/Ethnicity— Peoria, 2021

INDICATOR	RACE/ETHNICITY					OVERALL
	White	Hispanic/ Latinx	African American/ Black	American Indian	Asian	
<b>Low birth weight</b>	66.7	57.9	164.8	0.0	141.5	72.7
<b>Pre-term infants</b>	103.9	88.6	153.9	0.0	122.6	101.0
<b>Infant mortality</b>	*	*	*	0.0	0.0	*
<b>Teen pregnancy</b>	*	*	*	0.0	0.0	29.4

<sup>1</sup> Rates for each indicator were calculated per 1,000 live births.

\* Denotes indicators with a count of 5 or less

Note: See technical notes for more detailed description information on each birth indicator.

**Table 11.** Crude Rates (per 100,000) of Select Infectious Diseases<sup>1</sup>, by Sex— Peoria, 2021

	DISEASE	SEX		OVERALL
		Male	Female	
VACCINE PREVENTABLE DISEASES	H. influenzae, Invasive Disease <sup>2</sup>	0.0	*	*
	Pertussis	*	*	*
CENTRAL NERVOUS SYSTEM	Aseptic Meningitis, Viral	0.0	0.0	0.0
	Encephalitis, Viral	0.0	*	*
	Meningococcal Invasive Disease	0.0	0.0	0.0
ENTERICS	Amebiasis	*	0.0	*
	Campylobacteriosis	15.5	8.2	11.7
	Cryptosporidiosis	*	*	*
	E. coli, Shiga Toxin-Producing	*	*	4.3
	Giardiasis	*	0.0	*
	Listeriosis	0.0	0.0	0.0
	Norovirus	*	*	5.9
	Paratyphoid Fever	0.0	0.0	0.0
	Salmonellosis	*	*	9.1
	Shigellosis	*	*	4.8
	Typhoid Fever	0.0	*	*
	MYCOSIS	Coccidioidomycosis	192.6	173.5
ZOOSES/ VECTORBORNE	Brucellosis	0.0	0.0	0.0
	Dengue	0.0	0.0	0.0
	Malaria	0.0	*	*
	St. Louis Encephalitis Virus	0.0	0.0	0.0
	West Nile Virus	32.1	27.7	29.8
HEPATITIDES	Hepatitis A	*	0.0	*
	Hepatitis B <sup>3</sup>	12.2	10.3	11.2
OTHER	Legionellosis	*	*	4.3
	MRSA	11.1	6.2	8.5
	RSV	74.2	82.1	78.3
	Streptococcal Group A, Invasive	*	*	6.4
	Streptococcal Group B, Invasive <sup>4</sup>	0.0	0.0	0.0
	Streptococcus pneumoniae, Invasive	*	*	4.8
	Tuberculosis	*	*	*
	Vibrio Infection	0.0	*	*
	Yersiniosis	*	*	*
	SEXUALLY TRANSMITTED DISEASES	Gonorrhea	155.0	121.1
Syphilis – Primary and Secondary		*	*	8.5
Syphilis – All Others		45.4	10.3	27.2
Chlamydia		242.5	482.5	367.5
HIV/AIDS <sup>5</sup>		*	*	7.5

<sup>1</sup> Rates were calculated using total confirmed and probable cases.

<sup>2</sup> Includes only *H. influenzae* Type B cases.

<sup>3</sup> Includes only acute cases of Hepatitis B.

<sup>4</sup> Streptococcal Group B Invasive disease is only reportable for cases in infants under 90 days.

<sup>5</sup> HIV and Aids were combined starting in 2021

\* Denotes indicators with a count of 5 or less

# Technical Notes

## Calculating Rates

Rates were calculated for this report using the 5-year population statistics for 2021, available from the [United States Census](#).

While we stratified rates by age for many of the indicators presented in this report, only crude rates were calculated for overall county rates, with no adjustment for age. Age-adjusting can remove the effect of a disproportionately large population of young or old individuals being affected by a certain morbidity or disease.

Indicators where the count is 5 or less are recorded as \*.

## Data Sources

### *Hospital Discharge Data*

Hospital Discharge Data (HDD) are submitted by Arizona Hospitals to Arizona Department of Health Services (ADHS). Data are submitted by half years, with the first half (January 1 – June 30) due August 15 of the same year and the second half (July 1 – December 31) due by February 15th of the following year. ADHS then prepares the data for public release and the data are released between 3 and 6 months after collection. These datasets only contain hospitalizations from facilities within the state of Arizona. Hospitalizations of Maricopa Residents that occur outside of Arizona are not captured. Both inpatient and emergency department (ED) visits are included in this dataset and are analyzed separately. These datasets also only contain data for Maricopa County residents that are seen at a facility within the State of Arizona. Also federal facilities such as Veterans Affairs or Indian Health Services are not included in the data set which will affect disease rates among American Indians.

Hospitalization Discharges represent the number of discharges from facilities within Arizona during a calendar year and are not unique patients. Therefore, if a person is hospitalized multiple times in a calendar year, that person will be represented multiple times in the dataset. Most hospitals bill under the “72-hour rule”. This means that if a patient comes into the ER and is admitted as an inpatient within a 72-hour period, the visit is bundled into one account for billing. In the data this patient would show up as an IP record. There are a few exceptions that will do “split billing”, specifically with Critical Access Hospitals and with some insurance carriers. These cases will show up in both the ED and IP.

All data are calculated utilizing the rules of the International Classification of Disease, 10<sup>th</sup> Revision (ICD-10).

## *Mortality Data*

All data on mortality statistics are from death certificates included in the Arizona Department of Health Services (ADHS) final annual files. The data presented in this report include Maricopa County residents only. This includes Maricopa County residents who died in Maricopa County and residents who died elsewhere. Non-Maricopa County residents who died in Maricopa County are not included.

Unless otherwise noted, all deaths are attributed to one underlying condition, based on death certificate information, using the rules of the International Classification of Diseases, 10th Revision (ICD-10). Causes of death are classified by ICD-10 codes. Although other causes may have contributed to death, the underlying cause of death is the cause that began the disease process that resulted in death. The underlying causes of death shown in this report were selected to align with reports MCDPH has created for hospital and FQHC partners. The number for certain cause of death in this report could be different from other reports generated from our office due to different initiatives or protocols set for that specific cause of death.

## *Birth Data*

Birth statistics are from birth certificates included in the ADHS final annual files. The data presented in this report include births to mothers whose county of residence is Maricopa County. This may include births that did not occur in Maricopa County. Also included are some births that occurred outside of Arizona to mothers who reside in Arizona but whose county and city of residence is unknown. National Center for Health Statistics rules state that if a birth does not occur in the state of residency and the county and city are unknown, the city of residency is assigned to the largest city in the state of residency.

Infant mortality statistics are from unlinked data or the number of infant deaths in a given year. The infant mortality rate is defined by the number of deaths per 1,000 live births. Teen pregnancy is the rate of live births to females under the age of 20 years. Pre-term birth is defined as any neonate whose birth occurs through the end of the last day of the 37th week (259th day), following onset of the last menstrual period. Finally, low birthweight is defined as any neonate weighing less than 2,500 grams at birth (less than 5 pounds 8 ounces).

## *Infectious Disease Data*

The data presented in this report include communicable diseases among residents of Maricopa County. This includes Maricopa County residents who acquired a disease in Maricopa County and residents who acquired a disease elsewhere. Non-Maricopa County residents are not included, even if they acquired a disease in Maricopa County. Other reports may show different morbidity rates because they include non-residents

who acquired disease in Maricopa County, or they exclude residents who were exposed outside of the county. For example, residents were reported with malaria in 2019, but all these individuals acquired malaria outside of Maricopa County.

All data on communicable diseases are new cases of reportable diseases from the ADHS final annual files. There are several exceptions: data on gonorrhea, chlamydia, and syphilis are from MCDPH data files. Data on tuberculosis, STDs, HIV, and AIDS may differ from other reports published by MCDPH and ADHS. Data on these diseases are in databases that may have been updated during the time between reports. The data for this report were acquired on August 9, 2023.

Communicable disease data include only confirmed and probable cases. Data can be classified by date of onset, date of diagnosis, or date of report to the health department. All diseases/conditions listed in this report are classified by the date of report to the health department. The only exceptions are HIV and AIDS which are classified by the date of diagnosis.

## Definitions of Morbidities

Below is a brief description of indicators, not including infectious diseases, and the corresponding ICD codes.

Indicator	Description	HDD ICD Codes <sup>1</sup>	Mortality ICD Codes <sup>2</sup>
<b>Alzheimer's Disease</b>	Alzheimer's Disease	G30	G30
<b>Arthritis</b>	Rheumatoid arthritis, osteoarthritis in different regions of the body, gout, arthritis due to infections or parasites, and a variety of other joint and connective tissue disorders	A54, A52, D481, D690, E79, G83, G54, G57, G63, G83, I01, I67, I73, M00, M1A, M3, M02, M05, M06, M11, M15, M16, M17, M18, M19, M21, M25, M60, M66, M67, M75, M76, M77, R26, R29, 716, 7281, 729	Not applicable
<b>Asthma</b>	Mild intermittent and persistent asthma, moderate persistent asthma, severe asthma, and unspecified asthma	J45	J45
<b>Cardiovascular Disease</b>	Hypertensive diseases, ischemic heart diseases, pulmonary heart diseases and other forms of heart diseases	I00–I99, I09, I110, I13, I50, 398, 402, 404, 428	I00–I09, I11, I13, I20–I51
<b>Chronic Obstructive Pulmonary Disease</b>	COPD, and includes emphysema, chronic bronchitis	J41, J42, J43, J44, J47	J449
<b>Diabetes</b>	Diabetes Mellitus Type 1 and 2, other specified diabetes mellitus	E08–E13, PQ10, 250	E149, N40
<b>Liver Disease</b>	Alcoholic liver disease, toxic liver disease, hepatic failure, cirrhosis of the live, and other diseases of the liver	K70–K77	K70, K73–K74
<b>Stroke</b>	Cerebral infarction, non-traumatic subarachnoid hemorrhage, and other cerebrovascular diseases	I60–I69	I60–I69
<b>Lung Cancer</b>	Cancer of lung and bronchus, malignant neoplasm of trachea, Kaposi's sarcoma of unspecified lung, secondary malignant neoplasm of respiratory organ	C33, C34, C464, C78, D02	C33–C34

<sup>1</sup> Simplified for purposes of this report; not all subcategories may have been used.

<sup>2</sup> Simplified for purposes of this report; not all subcategories may have been used.



<b>Breast Cancer</b>	Malignant neoplasm of breast, secondary malignant neoplasm of breast	C50, C79	C50, C79
<b>Prostate Cancer</b>	Malignant neoplasm of prostate	C61	C61
<b>Schizophrenic Disorders</b>	Schizophrenia, schizotypal, and delusional disorders	F20–F29	Not applicable
<b>Mood Disorders</b>	Mood disorders, depression, and bipolar disorders	F30–F39	Not applicable
<b>Drug-Induced Disorders</b>	Mental and behavioral disorders due to psychoactive substance abuse	F10–F19	Not applicable
<b>All Mental Health Disorders</b>	All mental disorders including, schizophrenic disorders, mood disorders, drug-induced disorders, personality disorders, intellectual disabilities, and other unspecified mental disorders	F01–F99	Not applicable
<b>Alcohol-Related</b>	Alcohol use (specified and unspecified), alcohol-induced Cushing’s syndrome,	E244, F100-F109, G621, G312, G721, I426, K292, K700-K704, K709, K860, O354, P043, Q860, R780, T510, T511, X45, Y15, X65	E244, F100-F109, G621, G312, G721, I426, K292, K700-K704, K709, K860, O354, P043, Q860, R780, T510, T511, X45, Y15, X65
<b>Drug Overdose</b>	Drug overdose (unintentional)	T400, T401, T402, T403, T404	T400, T401, T402, T403, T404
<b>Opioid-Related</b>	Opioid-related, not including heroine	T400, T402, T403, T404, T406, F424	T400, T402, T403, T404, T406, F424
<b>Violence-Related</b>	Injury from assault	X92–Y09, S00 - T88	X85–X90, X92–X99, Y20–Y24, Y26–Y29
<b>Motor Vehicle Crash</b>	Motor vehicle crash, injury to occupant, pedestrian-related crash, injury to a pedal cyclist, injury to a motor cyclist	V00–V89, E810, E811, E812, E813, E814, E815, E816, E817, E818, E819	V00–V29, V79, V80, V81, V82, V83, V87, V88, V89,
<b>Suicide</b>	Intentional self-harm, including multiple methods of inflicting self-injury	X71–X83	U03, X60, X84, X87
<b>Falls</b>	Falls including from slipping, stumbling, or otherwise unspecified	W00-W19, X80, Y01, Y30	W00-W19
<b>Influenza/ Pneumonia</b>	Influenza and pneumonia	J09–J18	J10–J18