

February 2024

2021 Health Status Report: Glendale

Maricopa County
Department of Public Health
Division of Epidemiology and Informatics

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Table 1. Crude Hospitalization Rates (per 100,000), by Race/Ethnicity, for Select Morbidities—Glendale, 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	2.4
	Arthritis	*	*	0.0	0.0	*	3.3
	Asthma	30.5	25.3	56.5	*	*	35.0
	Cardiovascular Disease	1316.4	569.7	1445.2	559.5	735.6	1228.4
	Chronic Obstructive Pulmonary Disease	113.9	11.2	67.7	0.0	0.0	82.2
	Diabetes	183.9	162.2	338.7	291.0	77.4	218.2
	Liver Disease	91.0	99.3	84.7	246.2	87.1	112.8
	Stroke	*	*	*	*	*	236.9
CANCER ¹	Lung Cancer	28.6	*	*	0.0	58.1	24.8
	Breast Cancer	9.9	*	0.0	0.0	*	9.6
	Prostate Cancer	20.7	*	0.0	0.0	*	15.7
MENTAL HEALTH DISORDERS	Schizophrenic Disorders	224.6	157.1	621.0	268.6	154.9	264.6
	Mood Disorders	1231.2	687.3	1840.4	1477.2	774.3	1265.4
	Drug-induced Disorders	185.2	87.2	282.3	358.1	58.1	183.2
	All Mental Health Disorders	1283.3	716.7	1919.4	1499.6	803.3	1318.8
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	33.7	18.3	45.2	*	*	34.6
	Drug Overdose	82.1	46.6	73.4	*	*	79.8
	Opioid-related	*	*	*	0.0	*	22.8
	Violence-related	25.5	41.6	112.9	*	*	43.1
	Motor Vehicle Crash	104.4	75.0	141.1	*	*	116.0
	Suicide	40.7	*	22.6	*	*	37.9
	Falls	229.1	99.3	129.8	156.7	96.8	206.4
	Heat Related	6.4	*	*	0.0	0.0	6.9
INFECTIOUS DISEASE	Influenza/Pneumonia	*	*	*	*	*	128.6

¹ 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—Glendale, 2021

MORBIDITY	RACE/ETHNICITY					OVERALL	
	White	Hispanic/Latinx	African American/Black	American Indian	Asian		
CHRONIC DISEASES	Alzheimer’s Disease	5.1	*	*	0.0	*	5.3
	Arthritis	*	*	*	0.0	*	43.1
	Asthma	208.1	353.8	1450.8	313.3	174.2	398.1
	Cardiovascular Disease	1047.3	682.2	1783.9	291.0	890.4	1129.5
	Chronic Obstructive Pulmonary Disease	*	*	*	*	*	199.0
	Diabetes	206.8	260.5	637.9	156.7	96.8	291.8
	Liver Disease	54.1	45.6	39.5	*	*	57.4
	Stroke	*	*	*	*	*	75.3
CANCER ¹	Lung Cancer	3.8	*	*	0.0	0.0	3.3
	Breast Cancer	12.0	*	*	0.0	0.0	9.6
	Prostate Cancer	*	0.0	0.0	0.0	*	*
MENTAL HEALTH DISORDERS	Schizophrenic Disorders	63.6	36.5	169.4	*	*	71.2
	Mood Disorders	570.7	409.5	1021.8	1275.7	174.2	640.3
	Drug-induced Disorders	*	*	*	*	*	444.1
	All Mental Health Disorders	854.5	761.3	1439.5	1454.8	406.5	1007.0
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	12.1	*	*	0.0	0.0	11.4
	Drug Overdose	195.3	189.6	310.5	291.0	116.1	236.1
	Opioid-related	63.0	52.7	146.8	*	*	75.7
	Violence-related	211.9	250.4	700.0	447.6	154.9	308.5
	Motor Vehicle Crash	641.4	862.7	2094.4	559.5	793.7	964.2
	Suicide	119.6	98.3	158.1	*	*	132.7
	Falls	1996.6	1797.3	2540.4	1320.5	1316.3	2281.0
	Heat Related	27.4	17.2	33.9	*	*	28.1
Infectious Disease	Influenza/Pneumonia	269.1	334.5	564.5	313.3	377.5	371.2

¹ 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—
Glendale, 2021

MORBIDITY	SEX		OVERALL	
	Male	Female		
CHRONIC DISEASES	Alzheimer’s Disease	*	*	2.4
	Arthritis	*	*	3.3
	Asthma	31.4	38.5	35.0
	Cardiovascular Disease	1354.2	1106.1	1228.4
	Chronic Obstructive Pulmonary Disease	66.1	97.9	82.2
	Diabetes	270.8	167.0	218.2
	Liver Disease	109.0	116.4	112.8
	Stroke	234.5	239.2	236.9
CANCER ¹	Lung Cancer	18.2	31.3	24.8
	Breast Cancer	-	9.6	9.6
	Prostate Cancer	15.7	-	15.7
MENTAL HEALTH DISORDERS	Schizophrenic Disorders	343.5	187.8	264.6
	Mood Disorders	1422.7	1112.6	1265.4
	Drug-induced Disorders	260.1	108.4	183.2
	All Mental Health Disorders	1467.3	1174.4	1318.8
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	50.4	19.3	34.6
	Drug Overdose	80.1	79.5	79.8
	Opioid-related	25.6	20.1	22.8
	Violence-related	70.2	16.9	43.1
	Motor Vehicle Crash	140.4	92.3	116.0
	Suicide	35.5	40.1	37.9
	Falls	169.3	242.4	206.4
	Heat Related	*	*	6.9
INFECTIOUS DISEASE	Influenza/Pneumonia	128.8	128.4	128.6

¹ 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—Glendale, 2021

	MORBIDITY	SEX		OVERALL
		Male	Female	
CHRONIC DISEASES	Alzheimer’s Disease	6.6	4.0	5.3
	Arthritis	62.8	24.1	43.1
	Asthma	401.3	394.9	398.1
	Cardiovascular Disease	1080.0	1177.6	1129.5
	Chronic Obstructive Pulmonary Disease	189.9	207.9	199.0
	Diabetes	301.4	282.6	291.8
	Liver Disease	59.5	55.4	57.4
	Stroke	69.4	81.1	75.3
CANCER ¹	Lung Cancer	*	*	3.3
	Breast Cancer	-	9.6	9.6
	Prostate Cancer	*	-	*
MENTAL HEALTH DISORDERS	Schizophrenic Disorders	95.0	48.2	71.2
	Mood Disorders	818.3	467.2	640.3
	Drug-induced Disorders	606.1	286.6	444.1
	All Mental Health Disorders	1153.5	864.5	1007.0
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	15.7	7.2	11.4
	Drug Overdose	210.6	260.9	236.1
	Opioid-related	101.6	50.6	75.7
	Violence-related	341.8	276.1	308.5
	Motor Vehicle Crash	919.8	1005.8	964.2
	Suicide	83.4	179.8	132.7
	Falls	1995.7	2558.3	2281.0
	Heat Related	34.7	21.7	28.1
INFECTIOUS DISEASE	Influenza/Pneumonia	367.4	374.9	371.2

¹ 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—Glendale, 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	20.7	2.4
	Arthritis	0.0	0.0	*	*	*	3.3
	Asthma	63.7	27.0	26.9	33.7	*	35.0
	Cardiovascular Disease	18.7	37.7	285.9	1692.8	6187.4	1228.4
	Chronic Obstructive Pulmonary Disease	0.0	*	*	175.2	323.5	82.2
	Diabetes	33.7	137.5	173.6	355.4	481.8	218.2
	Liver Disease	0.0	*	88.3	244.2	244.3	112.8
	Stroke	*	*	59.9	308.3	1228.5	236.9
CANCER ¹	Lung Cancer	0.0	0.0	0.0	33.7	141.1	24.8
	Breast Cancer	0.0	0.0	*	*	*	9.6
	Prostate Cancer	0.0	0.0	0.0	*	*	15.7
MENTAL HEALTH DISORDERS	Schizophrenic Disorders	*	*	*	*	*	264.6
	Mood Disorders	403.0	1795.2	2103.2	1103.3	578.1	1265.4
	Drug-induced Disorders	*	*	*	*	*	183.2
	All Mental Health Disorders	446.1	1916.4	2145.1	1142.0	619.4	1318.8
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	0.0	*	*	*	*	34.6
	Drug Overdose	30.0	105.1	95.8	89.3	82.6	79.8
	Opioid-related	*	21.6	*	*	*	22.8
	Violence-related	31.9	40.4	64.4	40.4	24.1	43.1
	Motor Vehicle Crash	*	118.6	184.1	123.0	137.7	116.0
	Suicide	13.1	53.9	52.4	38.7	27.5	37.9
	Falls	33.7	21.6	53.9	171.8	1180.4	206.4
	Heat Related	0.0	0.0	10.5	*	*	6.9
INFECTIOUS DISEASE	Influenza/Pneumonia	*	*	*	*	*	128.6

¹ 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—Glendale, 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	*	*	5.3
	Arthritis	0.0	16.2	55.4	80.9	51.6	43.1
	Asthma	596.0	431.3	440.1	293.1	110.1	398.1
	Cardiovascular Disease	127.5	175.2	678.1	1765.3	3926.5	1129.5
	Chronic Obstructive Pulmonary Disease	31.9	56.6	104.8	382.4	530.0	199.0
	Diabetes	45.0	142.9	268.0	517.1	530.0	291.8
	Liver Disease	0.0	18.9	59.9	117.9	82.6	57.4
	Stroke	*	*	25.5	107.8	351.0	75.3
CANCER ¹	Lung Cancer	0.0	0.0	0.0	*	*	3.3
	Breast Cancer	0.0	0.0	*	*	48.0	9.6
	Prostate Cancer	0.0	0.0	0.0	*	*	*
MENTAL HEALTH DISORDERS	Schizophrenic Disorders	*	59.3	137.7	91.0	*	71.2
	Mood Disorders	118.1	787.1	1088.3	656.9	347.6	640.3
	Drug-induced Disorders	22.5	482.5	859.2	480.1	141.1	444.1
	All Mental Health Disorders	251.2	1334.2	1657.1	975.3	547.2	1007.0
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	0.0	*	21.0	20.2	*	11.4
	Drug Overdose	146.2	458.2	312.9	146.5	123.9	236.1
	Opioid-related	*	126.7	137.7	53.9	41.3	75.7
	Violence-related	123.7	525.6	503.0	239.2	65.4	308.5
	Motor Vehicle Crash	290.5	1633.4	1470.0	835.5	447.4	964.2
	Suicide	*	*	*	*	*	132.7
	Falls	2815.2	1110.5	1353.2	1994.3	5512.9	2281.0
	Heat Related	*	*	*	*	*	28.1
INFECTIOUS DISEASE	Influenza/Pneumonia	311.1	296.5	339.8	421.1	547.2	371.2

¹ 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—Glendale, 2021

MORBIDITY	RACE/ETHNICITY					OVERALL	
	White	Hispanic/Latinx	African American/Black	American Indian	Asian		
CHRONIC DISEASES	Alzheimer’s Disease	*	*	0.0	0.0	*	33.4
	Asthma	*	0.0	0.0	0.0	0.0	*
	Cardiovascular Disease	*	*	*	*	*	178.7
	Chronic Obstructive Pulmonary Disease	62.4	15.2	*	0.0	*	47.6
	Diabetes	26.1	26.4	*	*	*	32.2
	Liver Disease	19.1	24.3	*	*	0.0	23.6
	Stroke	47.1	32.4	33.9	*	*	47.2
CANCER¹	Lung Cancer	38.2	12.2	*	*	*	31.8
	Breast Cancer	29.7	11.8	*	0.0	*	27.3
	Prostate Cancer	14.2	*	0.0	0.0	*	13.2
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	19.7	32.4	*	*	*	28.9
	Drug Overdose	*	*	*	*	0.0	41.9
	Opioid-related (excluding heroin)	*	*	*	*	0.0	32.2
	Violence-related	5.73	8.11	56.45	0.0	0.0	11.0
	Motor Vehicle Crash	13.4	*	*	*	0.0	20.4
	Suicide	14.6	*	*	0.0	*	15.5
	Falls	15.3	*	*	0.0	*	13.0
INFECTIOUS DISEASE	Influenza/Pneumonia	14.6	6.1	33.9	0.0	*	14.7

¹ 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— Glendale, 2021

MORBIDITY	SEX		OVERALL	
	Male	Female		
CHRONIC DISEASES	Alzheimer’s Disease	24.0	42.5	33.4
	Asthma	*	*	*
	Cardiovascular Disease	188.3	169.4	178.7
	Chronic Obstructive Pulmonary Disease	42.9	52.2	47.6
	Diabetes	36.3	28.1	32.2
	Liver Disease	28.9	18.5	23.6
	Stroke	40.5	53.8	47.2
CANCER ¹	Lung Cancer	34.7	28.9	31.8
	Breast Cancer	-	27.3	27.3
	Prostate Cancer	13.2	-	13.2
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	44.6	13.7	28.9
	Drug Overdose	58.6	25.7	41.9
	Opioid-related (excluding heroin)	42.9	21.7	32.2
	Violence-related	*	*	11.8
	Motor Vehicle Crash	27.3	13.7	20.4
	Suicide	25.6	5.6	15.5
	Falls	11.6	14.5	13.0
INFECTIOUS DISEASE	Influenza/Pneumonia	19.0	10.4	14.7

¹ 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— Glendale, 2021

	MORBIDITY	AGE GROUP					OVERALL
		1-14	15-24	25-44	45-64	65+	
CHRONIC DISEASES	Alzheimer’s Disease	0.0	0.0	*	*	278.7	33.4
	Asthma	0.0	0.0	*	*	*	*
	Cardiovascular Disease	0.0	0.0	21.0	151.6	1152.8	178.7
	Chronic Obstructive Pulmonary Disease	0.0	0.0	*	*	*	47.6
	Diabetes	0.0	0.0	*	*	*	32.2
	Liver Disease	0.0	0.0	*	*	*	23.6
	Stroke	0.0	0.0	*	*	*	47.2
CANCER ¹	Lung Cancer	0.0	0.0	*	*	*	31.8
	Breast Cancer	0.0	0.0	*	*	*	27.3
	Prostate Cancer	0.0	0.0	*	*	96.8	13.2
SUBSTANCE ABUSE AND OTHER INJURY	Alcohol-related	0.0	0.0	26.9	69.1	41.3	28.9
	Drug Overdose	*	29.7	79.3	57.3	*	41.9
	Opioid-related (excluding heroin)	*	27.0	70.4	30.3	*	32.2
	Violence-Related	*	18.9	19.5	11.8	*	11.8
	Motor Vehicle Crash	*	16.2	31.4	23.6	24.1	20.4
	Suicide	0.0	*	29.9	20.2	*	15.5
	Falls	0.0	0.0	*	*	96.4	13.0
INFECTIOUS DISEASE	Influenza/Pneumonia	*	0.0	*	23.6	65.4	14.7

¹ 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 10¹ Reasons for Hospitalizations— Glendale, 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	All Cancer
8	Stroke
9	Diabetes
10	Disease of the Intestines

¹ Pregnancy and early life care were not considered part of this analysis.

Figure 2. Top 10 Reasons¹ for ED Visits— Glendale, 2021

Rank	Reason for ED Visit
1	Injuries
2	Digestive and Abdominal Issues
3	Respiratory and Circulatory Issues
4	Acute Upper Respiratory Infections
5	COVID-19
6	Cardiovascular Disease
7	All Mental Health Related Conditions
8	Infectious and Parasitic
9	Diseases of the Urinary System
10	Infections of the Skin

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

Figure 3. Top 10 Causes for Deaths— Glendale, 2021

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

Table 10. Crude Rate (per 1,000) of Select Birth Indicators¹, by Race/Ethnicity— Glendale, 2021

INDICATOR	RACE/ETHNICITY					OVERALL
	White	Hispanic/ Latinx	African American/ Black	American Indian	Asian	
Low birth weight	63.1	76.1	148.9	0.0	110.1	79.2
Pre-term infants	106.1	99.9	148.9	0.0	137.6	106.9
Infant mortality	7.7	5.8	*	0.0	*	6.4
Teen pregnancy	34.4	63.2	24.3	*	*	48.0

¹ 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 Diseases¹, by Sex— Glendale, 2021

	DISEASE	SEX		OVERALL
		Male	Female	
VACCINE PREVENTABLE DISEASES	H. influenzae, Invasive Disease ²	*	*	2.4
	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	0.0	0.0
	Campylobacteriosis	19.8	15.3	17.5
	Cryptosporidiosis	*	*	*
	E. coli, Shiga Toxin-Producing	*	*	4.5
	Giardiasis	0.0	*	*
	Listeriosis	0.0	0.0	0.0
	Norovirus	*	*	6.5
	Paratyphoid Fever	0.0	0.0	0.0
	Salmonellosis	7.4	10.4	9
	Shigellosis	*	*	4.9
	Typhoid Fever	0.0	0.0	0.0
	MYCOSIS	Coccidioidomycosis	142	128.4
ZOOSES/ VECTORBORNE	Brucellosis	0.0	0.0	0.0
	Dengue	0.0	*	*
	Malaria	*	*	*
	St. Louis Encephalitis Virus	*	0.0	*
	West Nile Virus	11.6	11.2	11.4
HEPATITIDES	Hepatitis A	0.0	0.0	0.0
	Hepatitis B ³	26.4	14.4	20.4
OTHER	Legionellosis	*	*	2.4
	MRSA	16.5	11.2	13.8
	RSV	87.5	93.1	90.4
	Streptococcal Group A, Invasive	15.7	10.4	13
	Streptococcal Group B, Invasive ⁴	0.0	0.0	0.0
	Streptococcus pneumoniae, Invasive	14.9	8.8	11.8
	Tuberculosis	*	5.6	4.1
	Vibrio Infection	*	0.0	*
	Yersiniosis	0.0	*	*
	SEXUALLY TRANSMITTED DISEASES	Gonorrhea	433.5	288.2
Syphilis – Primary and Secondary		42.9	16.9	29.7
Syphilis – All Others		125.5	63.4	94.0
Chlamydia		525.2	909.5	720.4
HIV/AIDS ⁵		*	*	13.0

¹ Rates were calculated using total confirmed and probable cases.

² Includes only *H. influenzae* Type B cases.

³ Includes only acute cases of Hepatitis B.

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

⁵ 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, 10th 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 ¹	Mortality ICD Codes ²
Alzheimer's Disease	Alzheimer's Disease	G30	G30
Arthritis	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
Asthma	Mild intermittent and persistent asthma, moderate persistent asthma, severe asthma, and unspecified asthma	J45	J45
Cardiovascular Disease	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
Chronic Obstructive Pulmonary Disease	COPD, and includes emphysema, chronic bronchitis	J41, J42, J43, J44, J47	J449
Diabetes	Diabetes Mellitus Type 1 and 2, other specified diabetes mellitus	E08–E13, PQ10, 250	E149, N40
Liver Disease	Alcoholic liver disease, toxic liver disease, hepatic failure, cirrhosis of the liver, and other diseases of the liver	K70–K77	K70, K73–K74
Stroke	Cerebral infarction, non-traumatic subarachnoid hemorrhage, and other cerebrovascular diseases	I60–I69	I60–I69
Lung Cancer	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

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

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



Breast Cancer	Malignant neoplasm of breast, secondary malignant neoplasm of breast	C50, C79	C50, C79
Prostate Cancer	Malignant neoplasm of prostate	C61	C61
Schizophrenic Disorders	Schizophrenia, schizotypal, and delusional disorders	F20–F29	Not applicable
Mood Disorders	Mood disorders, depression, and bipolar disorders	F30–F39	Not applicable
Drug-Induced Disorders	Mental and behavioral disorders due to psychoactive substance abuse	F10–F19	Not applicable
All Mental Health Disorders	All mental disorders including, schizophrenic disorders, mood disorders, drug-induced disorders, personality disorders, intellectual disabilities, and other unspecified mental disorders	F01–F99	Not applicable
Alcohol-Related	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
Drug Overdose	Drug overdose (unintentional)	T400, T401, T402, T403, T404	T400, T401, T402, T403, T404
Opioid-Related	Opioid-related, not including heroine	T400, T402, T403, T404, T406, F424	T400, T402, T403, T404, T406, F424
Violence-Related	Injury from assault	X92–Y09, S00 - T88	X85–X90, X92–X99, Y20–Y24, Y26–Y29
Motor Vehicle Crash	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,
Suicide	Intentional self-harm, including multiple methods of inflicting self-injury	X71–X83	U03, X60, X84, X87
Falls	Falls including from slipping, stumbling, or otherwise unspecified	W00-W19, X80, Y01, Y30	W00-W19
Influenza/ Pneumonia	Influenza and pneumonia	J09–J18	J10–J18