ARIZONA DEPARTMENT OF HEALTH SERVICES

Heat-Caused and Heat-Related Deaths from Exposure to Excessive Natural Heat in Arizona 2014-2025

Arizona Residents and Non-Residents

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Summary Report of Heat-Related Deaths in 2025

672 heat-related deaths occurred in Arizona during 2025.
Around **64%** of the heat-related deaths occurred in **Maricopa**.
The rate of heat-related deaths among Arizona residents per 100,000 population is highest in **La Paz**, **Graham**, and **Apache** counties.
72% of heat-related deaths are among **males**.
67% of the heat-related deaths were age **50 years or older**.
A significant proportion of heat-related deaths occurred during the months of June, July, August, and September and over **35%** of the annual heat-related deaths occurred in the **month of August**.
Over **58%** of the Arizona residents who died of heat-related illness during 2025, **lived in the state for over 20 years**.
52% of heat-related deaths involved **substance use** in 2025.

Table 1: Heat-related deaths 2025

Heat-Caused and Heat-Related Deaths by Year

Year	Heat-Caused Deaths	Heat-Related Deaths
2014	50	91
2015	89	140
2016	152	233
2017	133	267
2018	128	251
2019	164	288
2020	314	523
2021	309	559
2022	359	671
2023	461	990
2024	448	977
2025	233	672

Table 2: Heat-caused and heat-related deaths (2014-2025)

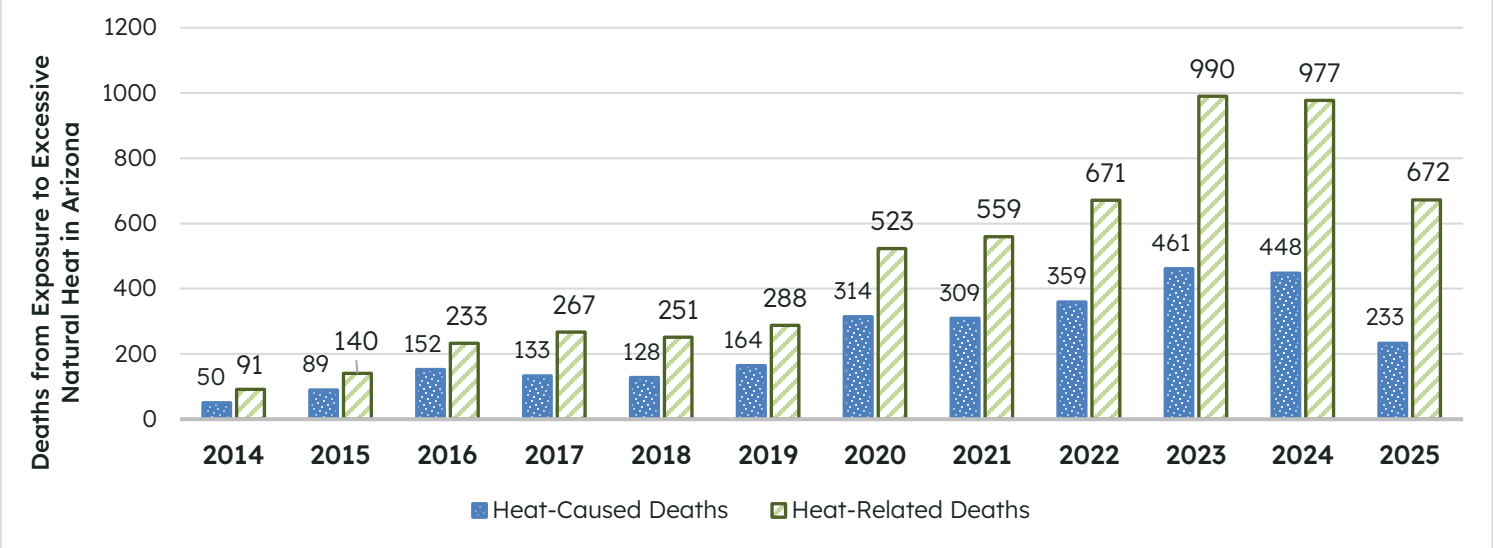


Figure 1: Heat-caused and heat-related deaths (2014-2025)

Heat-caused deaths are deaths where the primary cause of death is listed as exposure to excessive natural heat.

Heat-related deaths are deaths where exposure to excessive natural heat is listed anywhere on the death record and include those that were heat-caused.

Heat-Caused Deaths by State of Residence

Resident Status	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Arizona Resident	35	46	102	106	91	118	207	190	241	352	346	204	2,038
Non-Arizona Resident	15	43	50	27	37	46	107	119	118	109	102	29	802

Table 3: Heat-caused deaths by resident status (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Caused Deaths by Geographic Region of Occurrence

Region	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Central	29	43	71	66	74	102	161	128	156	259	232	140	1,461
Eastern	0	0	0	0	0	0	0	0	0	0	0	0	0
Northern	*	6	12	33	19	24	54	68	74	50	69	29	440†
Southern	17	39	64	33	35	36	96	110	121	139	132	61	883
Western	*	*	*	*	0	*	*	*	8	13	15	*	60†

Table 4: Heat-caused deaths by geographic region (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Classification of geographic regions:
Central = Gila, Graham, Maricopa, Pinal, and Yavapai
Eastern = Greenlee
Northern = Apache, Coconino, Mohave, and Navajo
Southern = Cochise, Pima, Santa Cruz, and Yuma
Western = La Paz

Heat-Related Deaths by State of Residence

Resident Status	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Arizona Resident	76	95	177	230	187	221	378	418	525	824	806	618	4,555
Non-Arizona Resident	15	45	56	37	64	67	145	141	146	166	171	54	1,107

Table 5: Heat-related deaths by resident status (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Related Deaths by Geographic Region of Occurrence

Region	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Central	66	91	145	195	193	216	357	366	460	686	664	471	3,910
Eastern	0	0	0	0	0	0	0	0	0	0	0	0	0
Northern	7	7	17	34	20	26	58	70	77	54	75	31	476
Southern	17	41	66	37	38	43	103	119	126	232	207	160	1,189
Western	*	*	*	*	0	*	*	*	8	18	31	10	90†

Table 6: Heat-related deaths by geographic region (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Classification of geographic regions:
Central = Gila, Graham, Maricopa, Pinal, and Yavapai
Eastern = Greenlee
Northern = Apache, Coconino, Mohave, and Navajo
Southern = Cochise, Pima, Santa Cruz, and Yuma
Western = La Paz

Heat-Caused Deaths by Race and Ethnicity

Race/ Ethnicity	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
American Indian/ Alaskan Native	*	*	10	10	6	6	11	14	23	28	26	15	160†
Asian or Pacific Islander	0	*	*	*	*	*	*	*	*	*	6	*	40†
African American/ Black	*	*	*	*	7	9	20	21	26	35	48	23	200†
Hispanic/ Latino	15	34	53	31	34	43	91	113	120	124	108	42	808
White Non-Hispanic	27	45	80	78	71	76	152	151	179	252	251	147	1,509
Unknown	*	*	*	10	9	26	37	7	8	17	9	*	130†

Table 7: Heat-caused deaths by race and ethnicity (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Caused Deaths by Gender

Gender	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Female	17	17	45	40	25	39	74	77	94	125	133	87	773
Male	33	72	107	93	103	125	240	232	265	336	315	146	2,067

Table 8: Heat-caused deaths by gender (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Related Deaths by Race and Ethnicity

Race/ Ethnicity	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
American Indian/ Alaskan Native	10	6	14	16	11	11	28	33	51	60	64	55	359
Asian or Pacific Islander	0	*	*	6	*	*	*	*	8	11	9	18	70†
African American/ Black	*	*	8	11	16	20	39	55	59	93	111	67	490†
Hispanic/ Latino	19	37	63	47	56	65	127	156	181	239	212	139	1,341
White Non-Hispanic	55	86	141	161	142	146	251	298	359	561	570	390	3,160
Unknown	*	*	*	26	25	41	73	12	13	26	11	*	240†

Table 9: Heat-related deaths by race and ethnicity (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Related Deaths by Gender

Gender	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Female	22	35	60	77	53	68	116	122	139	230	240	191	1,353
Male	69	105	173	190	198	220	407	437	532	760	737	481	4,309

Table 10: Heat-related deaths by gender (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Caused and Heat-Related Deaths by Year, Arizona Residents

Year	Heat-Related Deaths	Rate per 100,000 (HRD)	Heat-Caused Deaths	Rate per 100,000 (HCD)
2014	76	1.14	35	0.52
2015	95	1.41	46	0.68
2016	177	2.59	102	1.49
2017	230	3.30	106	1.52
2018	187	2.64	91	1.29
2019	221	3.07	118	1.64
2020	378	5.27	207	2.88
2021	418	5.74	190	2.61
2022	525	7.09	241	3.25
2023	824	10.95	352	4.68
2024	806	10.58	346	4.54
2025	618	8.01	204	2.64

Table 11: Heat-caused and heat-related deaths for Arizona residents (2014-2025)

Note: Crude rates are calculated per 100,000 population. For the years 2014-2025, their respective year estimates were used. Rate calculations utilize the official population estimates from Arizona Department of Health Services: vital statistics https://pub.azdhs.gov/health-stats/menu/info/pop/index.php

Heat-Caused Deaths by Age Group

Age Group	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Less than 1	*	*	*	*	0	*	*	*	0	0	*	0	10†
1-4	*	0	0	*	0	*	*	0	0	0	*	0	10†
5-14	0	*	*	0	*	*	*	*	0	*	*	*	10†
15-24	*	15	12	6	7	10	25	27	30	26	25	6	190†
25-34	*	11	26	18	19	17	31	47	35	50	30	13	300†
35-44	8	15	18	10	16	17	39	41	48	43	49	21	325
45-54	*	10	16	23	15	18	48	38	47	55	57	32	360†
55-64	7	15	31	20	19	30	61	43	60	97	72	34	489
65-74	9	14	17	24	32	25	47	53	58	90	102	60	531
75-84	*	*	15	23	16	24	44	42	68	71	82	50	450†
85 and older	*	*	13	7	*	15	14	16	13	26	26	16	150†
Age unknown	*	*	*	0	0	*	0	0	0	*	0	0	10†

Table 12: Heat-caused deaths by age group (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Related Deaths by Age Group

Age Group	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Less than 1	*	*	*	*	0	*	*	*	0	0	*	0	10†
1-4	*	*	0	*	0	*	*	*	0	0	*	0	10†
5-14	0	*	*	0	*	*	*	*	0	*	*	*	10†
15-24	6	16	12	8	8	13	29	33	39	34	39	13	250
25-34	8	16	29	31	26	26	50	83	73	115	80	56	593
35-44	12	19	27	24	31	32	80	77	120	148	139	103	812
45-54	15	16	30	47	40	51	88	84	109	144	157	100	881
55-64	15	30	56	49	53	60	118	105	113	215	173	140	1,127
65-74	14	24	32	42	57	43	67	90	106	179	207	137	998
75-84	8	10	27	46	28	36	64	63	92	114	136	87	711
85 and older	9	*	16	17	7	19	22	20	18	38	41	35	250†
Age unknown	*	*	*	0	0	*	0	*	*	*	0	0	10†

Table 13: Heat-related deaths by age group (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Caused Deaths by Substance Use

Substance Use	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Alcohol Use	*	6	16	12	14	13	22	20	31	41	38	22	240†
Drug Use	6	*	8	8	10	30	54	33	33	75	59	37	360†
Combined Alcohol And Drug Use	0	*	0	*	*	0	*	*	*	7	6	*	30†
No Substance Use	41	78	128	111	101	121	235	254	293	338	345	169	2,214

Table 14: Heat-caused deaths by substance use (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Related Deaths by Substance Use

Substance Use	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Alcohol Use	11	14	28	30	25	30	38	50	53	72	77	61	489
Drug Use	17	14	37	57	65	92	176	165	235	400	377	260	1,895
Combined Alcohol And Drug Use	*	10	*	*	9	*	9	19	16	43	32	27	180†
No Substance Use	59	102	164	176	152	161	300	325	367	475	491	324	3,096

Table 15: Heat-related deaths by substance use (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Caused Deaths by Years in Arizona

Years in Arizona	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Non-Resident	15	43	49	25	34	42	84	85	109	100	95	28	709
<3 years	*	*	8	6	8	11	22	19	17	28	23	10	160†
3-9 years	6	*	12	8	17	14	24	17	18	33	37	29	220†
10-19 years	*	7	15	20	7	18	23	22	38	39	43	26	260†
20 years or more	20	23	51	51	45	52	98	91	126	186	176	110	1,029
Unknown length residency	*	8	16	21	14	23	40	41	42	66	67	29	370†
Unknown residence state	0	0	*	*	*	*	23	34	9	9	7	*	90†

Table 16: Heat-caused deaths by years in Arizona (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.

*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Related Deaths by Years in Arizona

Years in Arizona	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Non-Resident	15	45	55	35	61	63	111	106	136	157	164	52	1,000
<3 years	*	7	12	14	13	17	30	28	33	48	46	22	270†
3-9 years	10	11	24	19	23	25	44	34	45	75	74	67	451
10-19 years	12	7	20	37	22	32	43	41	63	77	87	64	505
20 or more years	45	53	91	118	100	115	187	237	285	457	448	362	2,498
Unknown length residency	6	17	30	42	29	32	74	78	99	167	151	103	828
Unknown residence state	0	0	*	*	*	*	34	35	10	9	7	*	110†

Table 17: Heat-related deaths by years in Arizona (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.

*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Caused Deaths by County of Occurrence

County	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Apache	0	0	0	0	*	0	0	*	*	*	*	*	10†
Cochise	0	*	*	*	*	*	8	9	10	14	13	*	70†
Coconino	*	*	0	8	*	*	*	*	*	*	*	*	30†
Gila	0	0	*	*	*	*	*	0	*	*	*	*	10†
Graham	0	0	0	0	0	0	*	*	*	*	*	0	10†
Greenlee	0	0	0	0	0	0	0	0	0	0	0	0	0
La Paz	*	*	*	*	0	*	*	*	8	13	15	*	60†
Maricopa	23	36	66	59	66	89	143	115	139	239	213	134	1,322
Mohave	*	*	11	25	15	22	49	60	66	48	65	25	390†
Navajo	0	0	*	0	0	0	*	*	*	0	*	*	10†
Pima	12	28	45	26	26	25	45	53	54	91	78	39	522
Pinal	*	*	*	*	*	12	11	8	12	13	12	*	90†
Santa Cruz	*	*	*	0	*	0	7	12	8	7	6	0	50†
Yavapai	*	*	*	*	*	0	*	*	*	*	*	*	30†
Yuma	*	7	16	6	*	10	36	36	49	27	35	19	250†

Table 18: Heat-caused deaths by county of occurrence (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.

*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Related Deaths by County of Occurrence

County	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Apache	0	0	0	0	*	0	0	*	*	*	*	*	10†
Cochise	0	*	*	*	*	*	8	9	10	20	17	8	80†
Coconino	*	*	0	9	*	*	6	*	*	*	*	*	50†
Gila	0	*	*	*	*	*	*	*	*	*	*	*	30†
Graham	0	0	0	*	0	0	*	*	*	*	*	*	20†
Greenlee	0	0	0	0	0	0	0	0	0	0	0	0	0
La Paz	*	*	*	*	0	*	*	*	8	18	31	10	90†
Maricopa	60	82	137	173	175	192	322	337	418	644	614	430	3,584
Mohave	*	*	14	25	16	22	51	60	67	49	68	26	400†
Navajo	*	0	*	0	0	0	*	*	*	*	*	*	20†
Pima	12	29	46	28	28	32	51	59	58	173	146	126	788
Pinal	*	*	*	17	15	22	27	20	33	30	36	29	240†
Santa Cruz	*	*	*	0	*	0	7	12	8	8	6	*	50†
Yavapai	*	*	*	*	*	*	*	*	*	*	6	*	40†
Yuma	*	8	17	8	*	10	37	39	50	31	38	22	270†

Table 19: Heat-related deaths by county of occurrence (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.

*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Caused and Heat-Related Deaths by County of Residence, Arizona Residents (2025)

County of Residence	Heat-Related Deaths	Rate per 100,000 (HRD)	Heat-Caused Deaths	Rate per 100,000 (HCD)
Apache	9	13.64	*	*
Cochise	8	6.20	*	*
Coconino	*	*	*	*
Gila	*	*	0	0.00
Graham	9	22.35	*	*
Greenlee	0	0.00	0	0.00
La Paz	9	52.10	*	*
Maricopa	340	7.10	108	2.26
Mohave	25	10.82	24	10.39
Navajo	7	6.29	*	*
Pima	109	9.97	29	2.65
Pinal	34	6.77	*	*
Santa Cruz	*	*	0	0.00
Yavapai	*	*	0	0.00
Yuma	20	9.00	17	7.65

Table 20: Heat-caused and heat-related deaths for Arizona residents by county of residence, 2025

*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Note: Crude rates are calculated per 100,000 population. For 2025, the respective year estimate was used. Rate calculations utilize the official population estimates from Arizona Department of Health Services: vital statistics- https://pub.azdhs.gov/health-stats/menu/info/pop/index.php

Heat-Caused Deaths by Month

Month	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
January	0	0	0	0	0	*	0	0	*	0	*	0	*
February	0	0	0	0	0	0	0	0	*	0	0	0	*
March	0	0	*	*	0	0	0	*	*	*	0	*	10†
April	*	0	*	*	*	*	*	*	7	*	*	*	30†
May	0	*	*	*	11	*	9	15	25	8	7	10	100†
June	13	34	54	50	16	22	30	101	88	21	93	41	563
July	18	13	52	36	49	54	116	81	139	272	205	78	1,113
August	8	36	28	22	28	54	122	56	41	110	76	80	661
September	*	*	9	8	20	19	26	41	47	32	40	17	270†
October	*	*	*	*	*	*	9	8	*	10	23	*	70†
November	*	*	*	*	*	0	0	*	*	*	0	*	10†
December	0	0	0	*	0	0	*	*	0	0	*	0	*

Table 21: Heat-caused deaths by month (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Related Deaths by Month

Month	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
January	0	0	0	0	0	*	0	0	*	0	*	0	10†
February	0	0	0	0	0	*	0	0	*	0	0	*	*
March	*	*	*	*	0	0	0	*	*	*	0	*	20†
April	*	*	*	*	*	*	*	*	10	7	6	7	50†
May	0	*	*	9	17	7	21	26	35	23	19	35	200†
June	22	43	84	85	28	37	46	174	139	51	198	122	1,029
July	36	31	81	93	97	112	226	155	316	597	447	202	2,393
August	15	51	46	45	68	86	178	119	87	230	178	241	1,344
September	10	7	11	17	35	32	36	67	68	66	85	59	493
October	*	*	*	*	*	6	12	9	*	12	42	*	100†
November	*	*	*	*	*	*	0	*	*	*	0	*	20†
December	0	0	0	*	0	0	*	*	0	0	*	*	10†

Table 22: Heat-related deaths by month (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Caused Deaths by Place of Injury

Place of Injury	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Home	9	11	39	45	39	45	91	92	124	186	189	104	974
Other Specified	31	70	100	76	75	103	194	189	205	225	227	107	1,602
Residential Institution	0	0	*	*	*	*	0	*	*	*	0	0	10†
Street/ Highway	*	*	*	*	*	8	10	9	19	17	10	8	90†
Trade & Service Area	0	0	0	*	*	0	*	*	0	*	0	0	10†
Not Listed	7	6	8	9	7	7	16	15	10	31	19	13	148

Table 23: Heat-caused deaths by place of injury (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Related Deaths by Place of Injury

Place of Injury	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Home	17	23	75	89	71	84	144	173	207	331	336	265	1,815
Other Specified	63	94	138	133	142	178	314	328	389	547	555	347	3,228
Residential Institution	0	0	*	*	*	*	0	*	*	*	0	0	10†
Street/ Highway	*	*	*	6	13	13	32	26	48	47	37	33	270†
Trade & Service Area	0	0	0	*	*	0	*	*	*	*	*	0	20†
Not Listed	8	19	13	36	22	12	28	24	25	61	44	26	318

Table 24: Heat-related deaths by place of injury (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Heat-Caused Deaths by County of Occurrence and State of Residence (2014-2025)

County of Occurrence	Arizona Resident	Non-Arizona Resident	Total
Apache	9	0	9
Cochise	15	50	65
Coconino	16	16	32
Gila	14	0	14
Graham	6	*	10†
Greenlee	0	0	0
La Paz	39	16	55
Maricopa	1,151	171	1,322
Mohave	358	32	390
Navajo	10	0	10
Pima	201	321	522
Pinal	67	24	91
Santa Cruz	*	44	50†
Yavapai	19	8	27
Yuma	129	119	248

Table 25: Heat-caused deaths by county of occurrence and state of residence (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Note: Years 2014 through 2025 were aggregated due to small cell sizes that, if reported annually, would require suppression of most data points.

Heat-Related Deaths by County of Occurrence and State of Residence (2014-2025)

County of Occurrence	Arizona Resident	Non-Arizona Resident	Total
Apache	10	0	10
Cochise	28	52	80
Coconino	29	19	48
Gila	31	0	31
Graham	15	*	20†
Greenlee	0	0	0
La Paz	65	22	87
Maricopa	3,144	440	3,584
Mohave	369	34	403
Navajo	15	0	15
Pima	457	331	788
Pinal	212	29	241
Santa Cruz	6	47	53
Yavapai	29	9	38
Yuma	145	123	268

Table 26: Heat-related deaths by county of occurrence and state of residence (2014-2025)

†Sum rounded to nearest tens unit due to non-zero addend less than 6.
*Number of deaths related to excessive natural heat exposure were suppressed due to small cell sizes (between 1-5).

Note: Years 2014 through 2025 were aggregated due to small cell sizes that, if reported annually, would require suppression of most data points.

Methods for Death Data

ICD-10 Codes	Description
T67.0	Heat stroke and sunstroke
T67.1	Heat syncope
T67.2	Heat cramps
T67.3	Heat exhaustion from water depletion
T67.4	Heat exhaustion from salt depletion
T67.5	Heat exhaustion, unspecified
T67.6	Heat fatigue, transient
T67.7	Heat edema
T67.8	Other specified heat effects
T67.9	Unspecified effects of heat and light
X30	Exposure to excessive natural heat
P81.0	Environmental hyperthermia of newborn

Table 27: Heat death ICD-10 codes used for reporting

Criteria are adapted from Council of State & Territorial Epidemiologists (CSTE). Methods search entire record for ICD-10 codes. ICD codes related to manmade sources of heat were excluded. For this report, we are exclusively using ICD-10 codes for analyses. This approach enhances standardization and comparability of our findings with other outcomes.

Methods for Substance Use

Substance Use	ICD-10 Codes
Alcohol	E52, G621, I426, K292, P043, R780, K700-K701, K703, K709, K743-K745, T510, T519, F102, F101
Drug	F111-F112, F119, F121-F122, F129, F131-F132, F139, F141-F142, F149, F151-F152, F159, F161-F162, F169, F172, F181-F182, F189, F191-F192, F199, P040-P042, P044-P049, T360-T369, T370-T375, T378-T379, T380-T389, T390-T394, T398-T399, T400-T409, T410-T415, T420-T428, T430-T439, T440-T449, T450-T459, T460-T469, T470-T479, T480-T489, T490-T499, T500-T509, T50A, T50B, T50Z

Table 28: Substance use ICD-10 codes.

Methods search entire record for ICD-10 codes. Substance use codes (ICD-10) for alcohol-and drug-related deaths are defined by ADHS Population Health and Vital Statistics Diagnostics Categories.

Note: New methods were implemented beginning in 2025 and applied to previous data years for reports published in 2025 and onward. Prior year reports' annual totals may not match. This new method utilizes the same inclusion and exclusion ICD-10 codes, but the database search uses a more flexible approach instead of exact matching. This wildcard search allows for a more accurate understanding of data entry variations among the heat-related codes.