

**IMPERIAL COUNTY
PUBLIC HEALTH**

Surveillance
5/6/18–9/29/18

Cool Centers

Imperial

- Imperial Public Library
- Chamber of Commerce
- IV Expo

El Centro

- Community Center
- Adult Center
- Salvation Army Hospitality House
- IV Mall Food Court
- El Centro Library

Calexico

- Camarena Public Library

Brawley

- Brawley Public Library

Holtville

- Civic Center
- IC Free Library
- San Pasqual Family Resource Center

Seeley

- Seeley Community Church

Westmorland

- Senior Citizen Building

Heber

- IC Free Library

Ocotillo

- IV Desert Museum

Calipatria

- IC Free Library

Niland

- Chamber of Commerce
- Community Center

Salton City

- IC Free Library

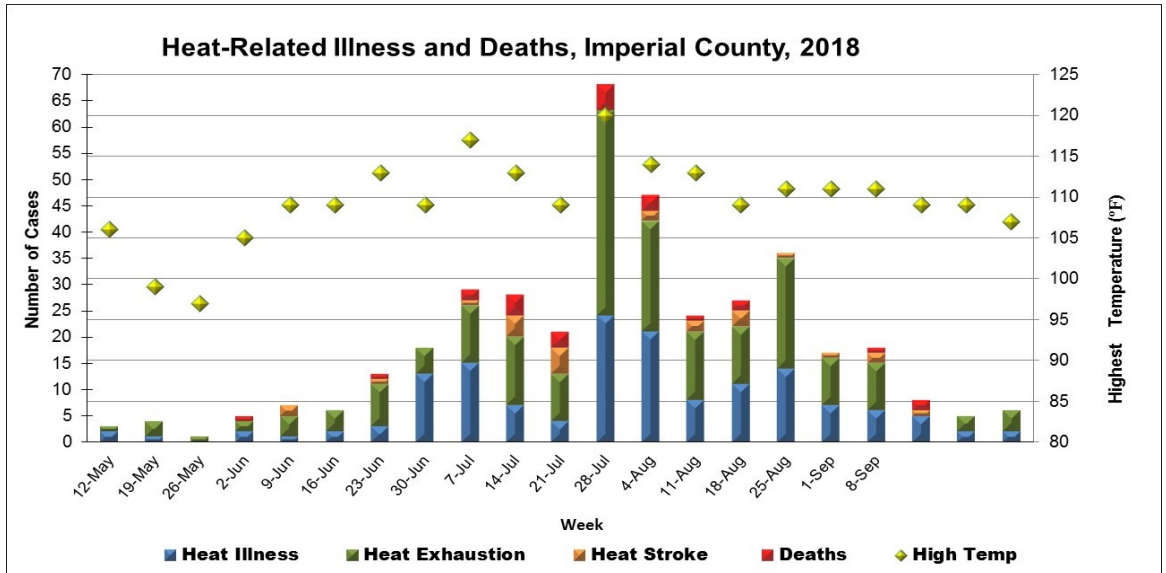
**Mecca, Blythe, Coachella,
Winterhaven, West Shores
Niland, Brawley,
El Centro & Calexico
Clinicas de Salud del Pueblo**

*For addresses, contact
persons, and phone
numbers, please visit our
web site at
www.icphd.org*

HEAT-RELATED ILLNESS UPDATE



HEAT-RELATED ILLNESS SURVEILLANCE 2018 IMPERIAL COUNTY



Source: El Centro Regional Medical Center, Pioneers Memorial Hospital, and Imperial County Coroner

Heat-Related Morbidity & Mortality	Total as of September 29, 2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Heat Stroke	25	34	8	15	11	29	27	19	14	26	13	13
Heat Exhaustion	191	91	55	54	43	68	79	25	40	60	59	62
Other illnesses (i.e. heat fatigue, dehydration)	150	110	93	50	34	60	41	23	45	19	27	32
Deaths	25	8	3	10	2	3	8	2	8	9	7	9
Totals	391	243	159	129	90	160	155	69	107	114	106	116

Source: El Centro Regional Medical Center, Pioneers Memorial Hospital, and Imperial County Coroner

Heat-Related Illness Update

Surveillance for heat-related illnesses and deaths ended September 29, 2018. From May 6, 2018 to September 29, 2018, a total of 366 heat-related illnesses and 25 deaths were reported by local hospitals and the County Coroner. The median age for heat-related illness was 42 years (range: 2 to 93 years), and 81% were male. There was a 56% increase in heat-related illness compared to the 2017 summer season. Summer 2018 has been the most severe season for heat-related illnesses and deaths since surveillance began in 2007. The elderly and those with conditions such as cardiovascular disease, diabetes, obesity, or mental illness are at an increased risk for severe illness associated with heat, as these conditions can be exasperated by extreme temperatures.

The Imperial County Public Health Department would like to thank El Centro Regional Medical Center, Pioneers Memorial Hospital, and the Imperial County Coroner's office for their assistance and participation in the annual heat-related illness surveillance.



For additional information regarding heat-related illness surveillance, contact the Imperial County Public Health Department at (442) 265-1356.

**IMPERIAL COUNTY
PUBLIC HEALTH**

Surveillance
5/6/18–9/29/18

Cool Centers

Imperial

- Imperial Public Library
- Chamber of Commerce
- IV Expo

El Centro

- Community Center
- Adult Center
- Salvation Army Hospitality House
- IV Mall Food Court
- El Centro Library

Calexico

- Camarena Public Library

Brawley

- Brawley Public Library

Holtville

- Civic Center
- IC Free Library

Winterhaven

- San Pasqual Family Resource Center

Seeley

- Seeley Community Church

Westmorland

- Senior Citizen Building

Heber

- IC Free Library

Ocotillo

- IV Desert Museum

Calipatria

- IC Free Library

Niland

- Chamber of Commerce Community Center

Salton City

- IC Free Library

**Mecca, Blythe, Coachella,
Winterhaven, West Shores**

**Niland, Brawley,
El Centro & Calexico
Clinicas de Salud del Pueblo**

*For addresses, contact
persons, and phone
numbers, please visit our
web site at
www.icphd.org*

Hazardous Weather Outlook



SUMMER 2018 TEMPERATURES

On average, Imperial County experienced high temperatures during summer 2018 than summer 2017. The fluctuation in temperatures was also more extreme during 2018 than 2017. The intense summer heat contributed to a record high of 25 heat-related deaths and 366 heat-related illnesses so far this year.

***Excessive Heat Warning** is issued when an excessive heat event is expected in the next 36 hours. It is issued when an excessive heat event is occurring, is imminent, or there is a very high probability of it occurring.

Heat Index Chart

	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
140	125																					
135	120	128																				
130	117	122	131																			
125	111	116	123	131	141																	
120	107	111	116	123	130	139	148															
115	103	107	111	115	120	127	135	143	151													
110	99	102	105	108	112	117	123	130	137	143	150											
105	95	97	100	102	105	109	113	118	123	129	135	142	149									
100	91	93	95	97	99	101	104	107	110	115	120	125	132	138	144							
95	87	88	90	91	93	94	96	98	101	104	107	110	114	119	124	130	136					
90	83	84	85	86	87	88	90	91	93	95	96	98	100	102	106	109	113	117	122			
85	78	79	80	81	82	83	84	85	86	87	88	89	90	91	93	95	97	99	102	105	108	
80	73	74	75	76	77	77	78	79	79	80	81	81	81	82	83	85	86	86	87	88	89	91
75	69	69	70	71	72	72	73	73	74	74	75	75	76	76	77	77	78	78	79	79	80	
70	64	64	65	65	66	66	67	67	68	68	69	69	70	70	70	71	71	71	71	71	71	72

Heat Index: 130+°F	Heat Effect: Heatstroke/sunstroke is highly likely with continued exposure Recommendations: Avoid strenuous outdoor activity; stay indoors in an air-conditioned facility; stay well hydrated; check on your family, friends, and neighbors
Heat Index: 105-129°F	Heat Effect: Sunstroke, heat exhaustion and heat cramps are likely. Heat stroke is possible with prolonged exposure and/or physical activity Recommendations: Avoid strenuous outdoor activity; stay indoors in an air-conditioned facility; stay well hydrated
Heat Index: 90-104°F	Heat Effect: Sunstroke, heat exhaustion and heat cramps are possible with prolonged exposure and/or physical activity Recommendations: Limit strenuous outdoor activity; limit your time outdoors; stay well hydrated
Heat Index: 80-89°F	Heat Effect: Fatigue is possible with prolonged exposure and/or physical activity Recommendations: Limit your time outdoors; stay well hydrated



Heat index, sometimes referred to as the apparent temperature and given in degrees Fahrenheit, is a measure of how hot it really feels when relative humidity is factored with the actual air temperature.