

Genesee County, Michigan

Total Population
407,875

% Population with Income Below Poverty
19%

Building Codes Hazard Resistance
Lower Resistance

% Population Disadvantaged
43.94%

National Risk Index Rating
Relatively Moderate
Source: FEMA National Risk Index

Billion-Dollar Weather and Climate Disasters



Extreme Heat

Future Climate Indicators

Indicator	Modeled History (1976 - 2005) Min - Max	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max
Temperature thresholds:							
Annual days with maximum temperature > 90°F	5 days 5 - 9	18 days 8 - 34	20 days 10 - 33	25 days 12 - 50	33 days 15 - 53	34 days 15 - 67	64 days 29 - 95
Annual days with maximum temperature > 95°F	1 days 1 - 1	4 days 1 - 12	6 days 1 - 16	8 days 2 - 24	12 days 3 - 32	13 days 3 - 39	34 days 8 - 72
Annual days with maximum temperature > 100°F	0 days 0 - 0	1 days 0 - 2	1 days 0 - 4	2 days 0 - 9	3 days 0 - 16	4 days 0 - 9	14 days 1 - 51
Annual days with maximum temperature > 105°F	0 days 0 - 0	0 days 0 - 1	0 days 0 - 0	0 days 0 - 1	0 days 0 - 4	0 days 0 - 2	5 days 0 - 31
Annual temperature:							
Annual single highest maximum temperature °F	94 °F 93 - 95	98 °F 94 - 101	98 °F 95 - 102	99 °F 96 - 103	101 °F 97 - 107	101 °F 97 - 106	106 °F 98 - 114
Annual highest maximum temperature averaged over a 5-day period °F	89 °F 88 - 90	92 °F 89 - 96	93 °F 90 - 96	94 °F 91 - 99	95 °F 91 - 101	96 °F 91 - 101	100 °F 93 - 110
Cooling degree days (CDD)	575 degree-days 529 - 642	846 degree-days 655 - 1,120	891 degree-days 667 - 1,063	1,004 degree-days 735 - 1,363	1,162 degree-days 844 - 1,473	1,183 degree-days 842 - 1,709	1,791 degree-days 1,135 - 2,568

N/A = Data Not Available for the selected area

Genesee County, Michigan



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Lower Resistance



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43.94%



National Risk Index Rating
Relatively Low
Source: [FEMA National Risk Index](#)



[Billion-Dollar Weather and Climate Disasters](#)



Flooding


Future Climate Indicators

Indicator	Modeled History (1976 - 2005) Min - Max	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions
		Min - Max	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max
Precipitation:							
Annual average total precipitation	31" 29 - 32	32" 30 - 37	32" 29 - 34	33" 30 - 38	33" 29 - 37	33" 29 - 39	35" 30 - 40
Days per year with precipitation (wet days)	184 days 180 - 189	183 days 171 - 189	182 days 171 - 189	182 days 172 - 195	181 days 165 - 190	181 days 168 - 193	178 days 151 - 190
Maximum period of consecutive wet days	11 days 10 - 12	11 days 10 - 12	11 days 10 - 13	11 days 10 - 12	11 days 10 - 12	11 days 10 - 13	11 days 9 - 13
Annual days with:							
Annual days with total precipitation > 1inch	2 days 2 - 3	3 days 2 - 4	3 days 2 - 4	3 days 2 - 5	3 days 2 - 5	3 days 2 - 5	4 days 2 - 6
Annual days with total precipitation > 2 inches	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 1
Annual days with total precipitation > 3 inches	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0
Annual days that exceed 99th percentile precipitation	4 days 4 - 5	5 days 5 - 6	5 days 5 - 6	6 days 5 - 7	6 days 5 - 7	6 days 5 - 7	7 days 7 - 9
Days with maximum temperature below 32 °F	51 days 47 - 54	37 days 19 - 49	36 days 25 - 46	31 days 14 - 43	27 days 12 - 39	26 days 8 - 41	13 days 1 - 29

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Michigan

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① **407,875**

 % Population with Income Below Poverty
① **19%**

 Building Codes Hazard Resistance
① **Lower Resistance**

 % Population Disadvantaged
① **43.94%**

 National Risk Index Rating
No Rating
Source: [FEMA National Risk Index](#)

 [Billion-Dollar Weather and Climate Disasters](#)

Drought

Future Climate Indicators

Indicator	Modeled History (1976 - 2005) Min - Max	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max
		Precipitation:					
Average annual total precipitation	31" 29 - 32	32" 30 - 37	32" 29 - 34	33" 30 - 38	33" 29 - 37	33" 29 - 39	35" 30 - 40
Days per year with precipitation (wet days)	184 days 180 - 189	183 days 171 - 189	182 days 171 - 189	182 days 172 - 195	181 days 165 - 190	181 days 168 - 193	178 days 151 - 190
Days per year with no precipitation (dry days)	181 days 176 - 185	182 days 176 - 195	183 days 176 - 194	183 days 171 - 193	184 days 175 - 200	184 days 172 - 197	187 days 175 - 215
Maximum number of consecutive dry days	12 days 10 - 13	12 days 11 - 14	12 days 10 - 14	12 days 11 - 14	12 days 11 - 15	12 days 10 - 15	13 days 11 - 16
Temperature thresholds:							
Annual days with maximum temperature > 90 °F	5 days 5 - 9	18 days 8 - 34	20 days 10 - 33	25 days 12 - 50	33 days 15 - 53	34 days 15 - 67	64 days 29 - 95
Annual days with maximum temperature > 100 °F	0 days 0 - 0	1 days 0 - 2	1 days 0 - 4	2 days 0 - 9	3 days 0 - 16	4 days 0 - 9	14 days 1 - 51

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Genesee County, Michigan

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Building Codes Hazard Resistance
Lower Resistance

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National Risk Index Rating
Very Low
Source: [FEMA National Risk Index](#)

Billion-Dollar Weather and Climate Disasters



Wildfire

Future Climate Indicators

Indicator	Modeled History (1976 - 2005) Min - Max	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions
		Min - Max	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max
Precipitation:							
Days per year with no precipitation (dry days)	181 days 176 - 185	182 days 176 - 195	183 days 176 - 194	183 days 171 - 193	184 days 175 - 200	184 days 172 - 197	187 days 175 - 215
Maximum number of consecutive dry days	12 days 10 - 13	12 days 11 - 14	12 days 10 - 14	12 days 11 - 14	12 days 11 - 15	12 days 10 - 15	13 days 11 - 16
Days per year with precipitation (wet days)	184 days 180 - 189	183 days 171 - 189	182 days 171 - 189	182 days 172 - 195	181 days 165 - 190	181 days 168 - 193	178 days 151 - 190
Temperature thresholds:							
Annual days with maximum temperature > 90°F	5 days 5 - 9	18 days 8 - 34	20 days 10 - 33	25 days 12 - 50	33 days 15 - 53	34 days 15 - 67	64 days 29 - 95
Annual days with maximum temperature > 100°F	0 days 0 - 0	1 days 0 - 2	1 days 0 - 4	2 days 0 - 9	3 days 0 - 16	4 days 0 - 9	14 days 1 - 51

N/A = Data Not Available for the selected area

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Michigan

Total Population
407,875

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Building Codes Hazard Resistance
Lower Resistance

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43.94%

National Risk Index Rating
Not Applicable
Source: [FEMA National Risk Index](#)

Billion-Dollar Weather and Climate Disasters



Coastal Inundation

Future Climate Indicators

Indicator	Modeled History (1976 - 2005) Min - Max	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max
Sea level rise:							
Percent of selected county impacted by global sea level rise	N/A	N/A	N/A	N/A	N/A	N/A	N/A

For more information on sea level changes, see the [Interagency Sea Level Rise Scenario Tool](#)

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