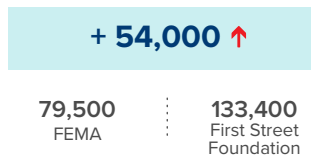




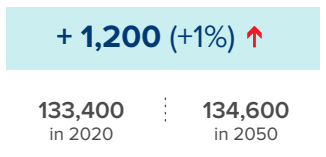
CONSIDERABLE GAPS IN FLOOD RISK REVEALED

- New research shows nearly 54K more homes are at risk of flooding
- The Arkansas and Little Arkansas Rivers flow through the center of Wichita, which is susceptible to heavy rains leading to flash floods
- Kansas City is the most susceptible to flooding when the Missouri and Kansas Rivers overflow at the same time

Current Properties at Risk
Difference in number of properties currently at substantial risk¹



Properties at Risk by 2050
Total number of properties at substantial risk²

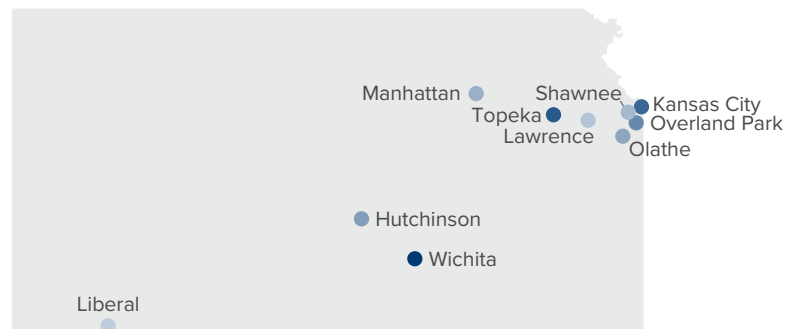


¹Comparison of count of properties within a Special Flood Hazard Area (1 in 100 layer) versus those with 1% risk from the First Street Foundation Flood Model. Some counties may show higher FEMA counts due to a variety of factors, including the generalization of SFHAs, assumptions around flood protection measures, and local context. FEMA zones are estimated by MassiveCert, Inc. ²Substantial risk is calculated as inundation 1 cm or more to the building in the 100 return period (1% annual risk) and rounded to the nearest 100 properties. See methodology for full model details.

Kansas cities with the greatest number of properties at risk³

Percentages reflect total number of community properties having some level of flood risk.

Municipality	2020		2050		Change	
	Count	%	Count	%	Count	%
Wichita	16,034	10%	16,528	10%	+494	+3.1%
Topeka	7,628	15%	7,759	16%	+131	+1.7%
Kansas City	6,627	10%	6,669	11%	+42	+0.6%
Overland Park	6,135	9%	6,227	9%	+92	+1.5%
Hutchinson	5,472	30%	5,594	31%	+122	+2.2%
Olathe	4,127	8%	4,181	8%	+54	+1.3%
Manhattan	2,273	15%	2,279	15%	+6	+0.3%
Shawnee	1,999	7%	2,007	7%	+8	+0.4%
Lawrence	1,793	7%	1,873	7%	+80	+4.5%
Liberal	1,715	24%	1,720	24%	+5	+0.3%



³Risk is calculated as inundation of 1 cm or more to the building in the 500 return period (0.2% annual risk). See methodology for full model details. Threshold of at least 2,000 properties for municipalities shown.

198,000
Kansas properties at risk over the next 30 years

29,900
properties will face an "almost certain risk" with 99% chance of being impacted by a flood

10%
Wichita properties at risk of flooding

25%
of all flood insurance claims come from low- to moderate-risk flood zones
(source: FEMA)

Floods are the #1
natural disaster in the United States

\$69,000
average flood claim from 2005-2020
(source: FEMA)

21,900
Kansas property owners have made flood insurance claims through FEMA since the year 2000
(source: FEMA)

KANSAS STORM SIMULATION

Using its proprietary risk model, First Street Foundation recreated 2 flooding events that occurred since the year 2000 and calculated the number of properties that would be affected had the same storm/even struck today. Its findings are shocking.

Since 2000, nearly 22,000 Kansas property owners have made flood insurance claims through the National Flood Insurance Program or the Individual Assistance Program.

Flood Event	Date	# Properties affected
River flood across Southern Kansas ⁴	2007 Jul	1,159
River flood across Northern Kansas	2019 Mar	221

⁴Source: Fema.gov

Based on model simulation of historic events. Historic recreations do not include precipitation. See methodology for full model details.

[Check your flood risk](#)

NFS RECOMMENDS

- 1** Raise awareness of community risk of flood with free social media tools
- 2** Check your clients flood risk at floodfactor.com
- 3** Create a custom quote for your client at <https://nationalfloodservices.com/agents-portal/agents/>
- 4** Inform your clients of their personal flood risk using our customizable email/letter and postcard templates.

Our resources include:

Social Media Tools

Email/Letter Templates

Mailer Templates

[Get your Kansas Flood Toolkit here](#)