Wisconsin Falls Data by County

Ages 65+ | 2016-2021

wiha
Wisconsin Institute
for Healthy Aging

How to Use This Document

Data can be extremely useful to help paint a picture of what is happening in your local community. By identifying who is falling, how many and where, it can help you to target certain interventions or make the case for falls prevention with local or even state decision makers. According to the [Centers for Disease Control and Prevention](#) (CDC), Wisconsin has the highest rate of older adult falls in the United States. There are many factors that contribute to the risk of falling, including medications, poor strength and balance, home hazards, terrain and more. Look at the data to learn more and work with your local, regional and state partners to help prevent falls in Wisconsin.

The following data is for older adult falls (ages 65+) in Wisconsin during 2016-2017 and 2020-2021. It is broken into three sections:

At the end of each section, you will find the source of the data, where the data was collected from, definitions and any caveats related to the data. It may be helpful to look at the definitions and caveats before viewing the data. Here are a couple of examples of how to explain the data (from page 8), depending on your audience:

> From 2016 to 2020, there was a 36% increase in the age-adjusted rate of older adult (ages 65+) fall deaths in Brown County. This takes changes in the older adult population into account and allows for years to be more comparable.

> From 2016 to 2020, there was a 36% increase in the rate of older adult (ages 65+) fall deaths in Brown County.

For questions or technical assistance related to the data in this document, please contact falls@wihealthyaging.org.

Average cost of falls per person (amount billed[1])

	Emergency Department Visits			Hospitalizations		
	2016-2017	2020-2021	2016-2021 % Change	2016-2017	2020-2021	2016-2021 % Change
Adams	$1,283	$1,711	33%	$19,288.56	$18,116.95	-6%
Ashland	$1,633	$1,908	17%	$20,044.57	$23,003.33	15%
Barron	$1,223	$1,341	10%	$15,098.45	$20,310.82	35%
Bayfield	$1,670	$2,202	32%	$28,463.60	$35,728.64	26%
Brown	$1,054	$1,389	32%	$11,956.64	$15,959.31	33%
Buffalo	$2,065	$3,115	51%	$26,524.45	$39,373.22	48%
Burnett	$1,311	$2,317	77%	$28,550.08	$32,267.86	13%
Calumet	$919	$1,225	33%	$10,292.73	$15,939.07	55%
Chippewa	$1,393	$1,883	35%	$14,551.45	$22,654.75	56%
Clark	$1,582	$2,016	27%	$12,576.09	$17,101.32	36%
Columbia	$1,390	$1,992	43%	$15,445.72	$20,430.67	32%
Crawford	$1,867	$2,454	31%	$16,628.03	$26,482.13	59%
Dane	$1,665	$2,275	37%	$17,077.61	$20,740.23	21%
Dodge	$1,649	$2,121	29%	$16,781.74	$19,327.69	15%
Door	$1,075	$1,467	37%	$14,178.64	$19,906.23	40%
Douglas	$2,425	$3,061	26%	$40,054.50	$42,274.43	6%
Dunn	$1,345	$1,985	48%	$11,770.34	$29,407.25	150%
Eau Claire	$1,160	$1,835	58%	$16,690.86	$21,033.79	26%
Florence	X	X	X	X	$9,020.08	X
Fond du Lac	$1,444	$1,789	24%	$15,711	$16,239	3%
Forest	$2,007	$2,224	11%	$13,205	$14,572	10%
Grant	$1,706	$2,332	37%	$23,242	$34,255	47%
Green	$1,569	$2,015	28%	$17,452	$18,528	6%
Green Lake	$1,185	$1,671	41%	$11,147	$17,275	55%
Iowa	$1,341	$1,758	31%	$12,253	$18,628	52%
Iron	$1,588	$1,843	16%	$17,961	$28,819	60%
Jackson	$2,557	$2,467	-4%	$13,421	$13,532	1%
Jefferson	$1,200	$1,641	37%	$14,923	$17,982	21%
Juneau	$1,486	$1,785	20%	$17,956	$18,850	5%
Kenosha	$971	$1,327	37%	$17,561	$20,465	17%
Kewaunee	$1,112	$1,285	16%	$16,120	$16,388	2%
La Crosse	$981	$1,240	26%	$17,197	$19,753	15%
Lafayette	$1,431	$1,943	36%	$28,936	$17,336	-40%

	Emergency Department Visits			Hospitalizations		
	2016-2017	2020-2021	2016-2021 % Change	2016-2017	2020-2021	2016-2021 % Change
Langlade	$1,563	$1,469	-6%	$15,069	$15,112	0%
Lincoln	$1,776	$2,583	45%	$11,911	$13,883	17%
Manitowoc	$1,121	$1,298	16%	$12,088	$15,224	26%
Marathon	$1,285	$1,808	41%	$11,746	$16,467	40%
Marinette	$1,214	$1,560	28%	$11,478	$15,747	37%
Marquette	$1,196	$1,588	33%	$14,456	$22,518	56%
Menominee	$855	$1,085	27%	$15,410	$11,293	-27%
Milwaukee	$2,058	$2,114	3%	$31,374	$27,441	-13%
Monroe	$1,364	$1,596	17%	$14,556	$23,027	58%
Oconto	$1,079	$1,244	15%	$11,904	$17,268	45%
Oneida	$1,836	$2,119	15%	$13,222	$16,608	26%
Outagamie	$704	$1,291	83%	$10,370	$14,135	36%
Ozaukee	$1,288	$1,528	19%	$15,735	$17,606	12%
Pepin	$1,520	$2,492	64%	$15,900	$31,282	97%
Pierce	$2,040	$2,947	44%	$27,969	$42,358	51%
Polk	$1,169	$1,879	61%	$28,084	$35,168	25%
Portage	$1,497	$1,794	20%	$12,405	$15,656	26%
Price	$1,337	$1,936	45%	$9,994	$16,937	69%
Racine	$1,491	$1,634	10%	$20,196	$19,589	-3%
Richland	$1,289	$1,370	6%	$17,159	$18,100	5%
Rock	$1,351	$1,773	31%	$17,591	$19,813	13%
Rusk	$1,168	$1,367	17%	$13,262	$15,108	14%
St. Croix	$1,546	$2,308	49%	$24,609	$31,988	30%
Sauk	$1,232	$1,754	42%	$13,218	$17,946	36%
Sawyer	$1,398	$2,119	52%	$19,316	$31,609	64%
Shawano	$953	$1,327	39%	$12,088	$14,425	19%
Sheboygan	$1,251	$1,675	34%	$16,030	$16,974	6%
Taylor	$1,152	$1,546	34%	$13,771	$13,781	0%
Trempealeau	$1,498	$1,981	32%	$15,369	$19,413	26%
Vernon	$1,339	$1,679	25%	$12,118	$16,812	39%
Vilas	$1,500	$1,586	6%	$13,492	$14,852	10%
Walworth	$1,074	$1,458	36%	$20,110	$19,649	-2%
Washburn	$971	$1,771	82%	$16,190	$25,207	56%

	Emergency Department Visits			Hospitalizations		
	2016-2017	2020-2021	2016-2021 % Change	2016-2017	2020-2021	2016-2021 % Change
Washington	$1,269	$1,711	35%	$15,424	$18,116	17%
Waukesha	$1,311	$1,672	28%	$17,141	$17,877	4%
Waupaca	$961	$1,440	50%	$10,915	$13,469	23%
Waushara	$1,234	$1,963	59%	$12,198	$16,467	35%
Winnebago	$903	$1,393	54%	$11,848	$13,717	16%
Wood	$1,194	$1,465	23%	$11,949	$18,264	53%

Average cost of unintentional fall injury-related emergency department visits rose an average of **33%** from 2016-2017 to 2020-2021.

Total cost of fall injury-related hospitalizations statewide from 2020-2021 was **$427,909,939**, up 11% from 2016-2017.

[1]Amount billed is calculated by taking the amount charged to a patient and offsetting it by the hospital's cost-to-charge ratio. What hospitals charge is not the same as what is billed to a patient. There were some hospitals that did not have the cost-to-charge ratio and it was assumed that 100% of what was charged was billed. Therefore, the amount billed estimates in the provided data will be overestimates. Additionally, what is billed to a patient is not the same as what was paid by a patient.

Source: Office of Health Informatics, Division of Public Health, Wisconsin Department of Health Services
Data: Hospital Discharge Data
Caveats:
- In 2020, the COVID-19 pandemic started and there was a dramatic decrease in hospitalizations. It is assumed this was due to the stay-at-home orders and the concern of exposure. Hospitalizations have since rebounded and they are almost back to pre-pandemic levels. It is challenging to determine the reasoning behind changes in causes of hospitalizations. Are changes due to changes in people accessing care or due to change in the cause? Please interpret with caution.
- The 2021 rates use 2020 population estimates for the calculation.
- An "X" indicates a value that is less than 5, but more than 0 and has been suppressed to protect confidentiality (i.e., if the number of emergency department visits and hospitalizations is less than 5, cost estimates aren't provided).

Age-adjusted rate[2] of fall injury-related emergency department visits and hospitalizations per 100,000 people
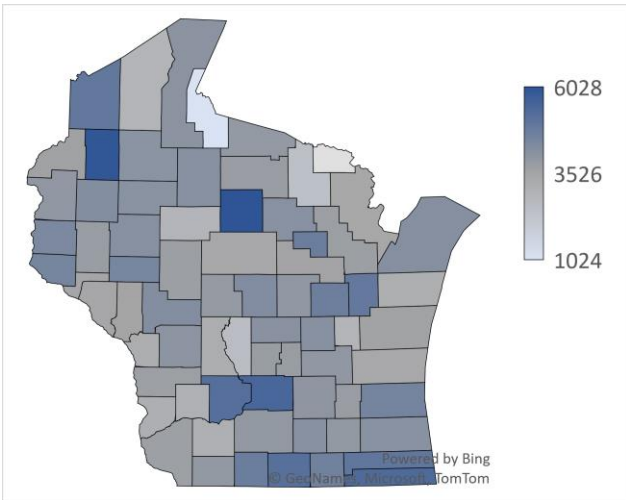
	Emergency Department Visits			Hospitalizations		
	2016-2017	2020-2021	2016-2021 % Change	2016-2017	2020-2021	2016-2021 % Change
Adams	2317	2550	10%	542	586	8%
Ashland	2953	4066	38%	1599	1108	-31%
Barron	4214	4254	1%	921	866	-6%
Bayfield	2707	2869	6%	1093	887	-19%
Brown	4567	4912	8%	1137	1034	-9%
Buffalo	3618	3440	-5%	688	704	2%
Burnett	3117	3617	16%	1186	928	-22%
Calumet	2781	2885	4%	552	550	0%
Chippewa	3992	4159	4%	1119	949	-15%
Clark	2404	3719	55%	915	1080	18%
Columbia	4796	5479	14%	1255	1197	-5%
Crawford	2960	3120	5%	959	765	-20%
Dane	3290	3898	18%	1060	989	-7%
Dodge	3901	3983	2%	1132	1079	-5%
Door	3587	4177	16%	927	940	1%
Douglas	4519	4938	9%	1484	1390	-6%
Dunn	3620	3775	4%	785	780	-1%
Eau Claire	4427	4476	1%	850	834	-2%
Florence	X	X	X	X	280	X
Fond du Lac	3920	3938	0%	884	894	1%
Forest	2561	2444	-5%	1025	525	-49%
Grant	3586	3688	3%	841	756	-10%
Green	3878	4755	23%	1022	751	-26%
Green Lake	3160	3773	19%	1036	952	-8%
Iowa	2836	3082	9%	1244	805	-35%
Iron	1021	1024	0%	353	849	140%
Jackson	3411	4246	24%	811	663	-18%
Jefferson	3514	4137	18%	1003	1161	16%
Juneau	3172	3180	0%	1160	833	-28%
Kenosha	5394	5349	-1%	1288	1218	-5%
Kewaunee	2680	3139	17%	672	815	21%
La Crosse	2911	3175	9%	610	605	-1%
Lafayette	4063	3907	-4%	903	919	2%

	Emergency Department Visits			Hospitalizations		
	2016-2017	2020-2021	2016-2021 % Change	2016-2017	2020-2021	2016-2021 % Change
Langlade	3914	4117	5%	1260	1066	-15%
Lincoln	3855	6028	56%	1154	1240	7%
Manitowoc	3173	3597	13%	1003	1021	2%
Marathon	3440	3390	-1%	1268	1116	-12%
Marinette	3351	3421	2%	927	1080	16%
Marquette	4242	3778	-11%	1315	1357	3%
Menominee	6014	4749	-21%	965	771	-20%
Milwaukee	3977	4122	4%	1368	1205	-12%
Monroe	3729	4025	8%	1075	682	-37%
Oconto	3609	3726	3%	787	899	14%
Oneida	3417	3752	10%	1031	1144	11%
Outagamie	4480	4701	5%	803	969	21%
Ozaukee	4514	4554	1%	1191	1337	12%
Pepin	3296	3472	5%	1081	573	-47%
Pierce	4261	4509	6%	1351	1400	4%
Polk	4053	3936	-3%	1211	1373	13%
Portage	3426	4267	25%	1070	1089	2%
Price	4204	4148	-1%	1124	987	-12%
Racine	4344	4951	14%	1365	1374	1%
Richland	2064	3048	48%	987	884	-10%
Rock	4760	5165	9%	1195	1266	6%
Rusk	2792	4089	46%	761	808	6%
St. Croix	3995	4400	10%	1282	1427	11%
Sauk	5033	5211	4%	1045	1115	7%
Sawyer	3640	4073	12%	1035	1224	18%
Shawano	4063	3550	-13%	798	711	-11%
Sheboygan	3212	3356	4%	1133	959	-15%
Taylor	3452	2864	-17%	828	832	0%
Trempealeau	3124	3523	13%	754	574	-24%
Vernon	3177	3696	16%	784	829	6%
Vilas	4347	3877	-11%	1344	1077	-20%
Walworth	3246	4623	42%	1228	1074	-12%
Washburn	5120	5960	16%	1446	1072	-26%

	Emergency Department Visits			Hospitalizations		
	2016-2017	2020-2021	2016-2021 % Change	2016-2017	2020-2021	2016-2021 % Change
Washington	3320	3756	13%	1335	1354	1%
Waukesha	3706	3898	5%	1214	1241	2%
Waupaca	3674	3929	7%	778	691	-11%
Waushara	3063	4108	34%	882	801	-9%
Winnebago	3817	4164	9%	787	880	12%
Wood	3641	3859	6%	1267	1279	1%

2020-2021 age-adjusted rate of injury **emergency department visits**
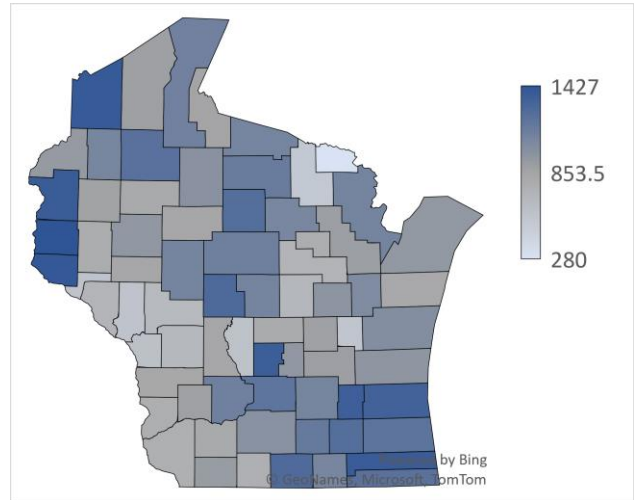
2020-2021 age-adjusted rate of injury **hospitalizations**

From 2016-2021, there were an average of **38,525** fall injury-related emergency department visits and **10,520** hospitalizations each year statewide.

[2]Age-adjusted rate is recommended to be used when making comparisons between two different time periods. Age-adjustment accounts for differences in age composition across populations and time.

Source: Wisconsin Department of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system
Data: Injury-related emergency department visits and hospitalizations
Caveats:
- In 2020, the COVID-19 pandemic started and there was a dramatic decrease in hospitalizations. It is assumed this was due to the stay-at-home orders and the concern of exposure. Hospitalizations have since rebounded and they are almost back to pre-pandemic levels. It is challenging to determine the reasoning behind changes in causes of hospitalizations. Are changes due to changes in people accessing care or due to change in the cause? Please interpret with caution.
- The 2021 rates use 2020 population estimates for the calculation.
- An "X" indicates a value that is less than 5, but more than 0 and has been suppressed to protect confidentiality (i.e., if the observed count of emergency department visits is less than 5, age-adjusted rate isn't calculated).

Age-adjusted rate[2] of fall deaths

County	2016-2020 % Change	County	2016-2020 % Change	County	2016-2020 % Change
Adams	-42%	Iowa	X	Polk	-10%
Ashland	X	Iron	X	Portage	69%
Barron	-27%	Jackson	X	Price	-30%
Bayfield	X	Jefferson	61%	Racine	141%
Brown	36%	Juneau	X	Richland	X
Buffalo	X	Kenosha	35%	Rock	48%
Burnett	.	Kewaunee	X	Rusk	X
Calumet	113%	La Crosse	-23%	St. Croix	148%
Chippewa	22%	Lafayette	X	Sauk	20%
Clark	X	Langlade	X	Sawyer	X
Columbia	18%	Lincoln	X	Shawano	19%
Crawford	X	Manitowoc	134%	Sheboygan	46%
Dane	0%	Marathon	31%	Taylor	X
Dodge	52%	Marinette	289%	Trempealeau	10%
Door	75%	Marquette	4%	Vernon	20%
Douglas	-2%	Menominee	X	Vilas	-35%
Dunn	63%	Milwaukee	40%	Walworth	43%
Eau Claire	65%	Monroe	X	Washburn	X
Florence	X	Oconto	37%	Washington	-27%
Fond du Lac	42%	Oneida	156%	Waukesha	8%
Forest	X	Outagamie	49%	Waupaca	-19%
Grant	-36%	Ozaukee	30%	Waushara	X
Green	X	Pepin	X	Winnebago	-3%
Green Lake	-24%	Pierce	X	Wood	8%

In Wisconsin from 2016-2020, there were **7,742** fall-related deaths. That's an average of 1,548 deaths per year and more than 2.5x the number of unintentional motor vehicle deaths for all age groups during the same time period.

[2]Age-adjusted rate is recommended to be used when making comparisons between two different time periods. Age-adjustment accounts for differences in age composition across populations and time.

Source: Wisconsin Department of Health Services, Division of Public Health, Office of Health Informatics. Wisconsin Interactive Statistics on Health (WISH) data query system
Data: Injury-related mortality, unintentional fall-related deaths
Caveats:
- 2021 data is not yet available.
- An "X" indicates a value that is less than 5, but more than 0 and has been suppressed to protect confidentiality (i.e., if the age-adjusted rate of injury deaths is less than 5, % change isn't calculated). A "." Indicates that there are 0 cases in that cell.