

Trends and Percent Change in Causes of Injury Hospitalization, Miami-Dade County Residents, Age 0-17, 2000-2022

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2016	2017	2018	2019	2020	2021	2022	2016-2018		2019-2020		2020-2021		2021-2022		2000-2022		
Intent	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Change	% Change	Change	% Change	Change	% Change	Change	% Change	Change	% Change
Unintentional	1,186	1,290	1,321	1,237	1,335	1,232	1,172	1,267	1,246	1,218	1,129	1,083	964	801	882	776	769	654	590	511	534	521	-122	-15.7%	-79	-13.4%	23	4.5%	-13	-2.4%	-665	-56.1%	
Self-Inflicted	158	180	148	142	159	134	122	100	101	85	105	86	95	124	148	129	116	134	103	112	139	90	5	3.9%	9	8.7%	27	24.1%	-49	-35.3%	-68	-43.0%	
Assault	71	75	91	81	83	84	95	95	107	99	70	85	70	54	53	75	58	51	34	57	20	37	-24	-32.0%	23	67.6%	-37	-64.9%	17	85.0%	-34	-47.9%	
Undetermined/Other	22	28	54	33	37	32	14	24	32	26	27	40	32	29	18	25	19	24	27	24	19	19	-1	-4.0%	-3	-11.1%	-5	-20.8%	0	0.0%	-3	-13.6%	
All Injury Hospitalizations	1,437	1,573	1,614	1,493	1,614	1,482	1,403	1,486	1,486	1,428	1,331	1,294	1,161	1,008	1,101	1,005	962	863	754	704	712	667	-142	-14.1%	-50	-6.6%	8	1.1%	-45	-6.3%	-770	-53.6%	

  

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2016	2017	2018	2019	2020	2021	2022	2016-2018		2019-2020		2020-2021		2021-2022		2000-2022	
Intent	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	Change	% Change	Change	% Change	Change	% Change	Change	% Change	Change	% Change
Unintentional	211.0	226.9	232.5	214.3	228.1	209.7	198.8	213.9	209.2	204.9	206.6	197.3	174.8	143.2	156.5	139.6	136.8	114.7	102.8	87.9	92.5	93.4	-25.0	-17.8%	-14.9	-14.5%	4.6	5.2%	0.9	1.0%	-117.6	-55.7%
Self-Inflicted	28.1	31.7	26.0	24.6	27.2	22.8	20.7	16.9	17.0	14.3	19.2	15.7	17.2	22.2	26.3	23.2	20.6	23.5	17.9	19.3	24.1	16.1	0.3	1.2%	1.3	7.4%	4.8	24.9%	-7.9	-33.0%	-12.0	-42.6%
Assault	12.6	13.2	16.0	14.0	14.2	14.3	16.1	16.0	18.0	16.7	12.8	15.5	12.7	9.7	9.4	13.5	10.3	8.9	5.9	9.8	3.5	6.6	-4.6	-33.7%	3.9	65.5%	-6.3	-64.7%	3.2	91.5%	-6.0	-47.5%
Undetermined/Other	3.9	4.9	9.5	5.7	6.3	5.4	2.4	4.1	5.4	4.4	4.9	7.3	5.8	5.2	3.2	4.5	3.4	4.2	4.7	4.1	3.3	3.4	-0.3	-6.5%	-0.6	-12.2%	-0.8	-20.3%	0.1	3.5%	-0.5	-13.0%
All Injury Hospitalizations	255.6	276.7	284.0	258.7	275.8	252.3	238.0	250.8	249.5	240.2	243.6	235.7	210.5	180.2	195.4	180.8	171.2	151.3	131.4	121.1	123.3	119.5	-29.5	-16.3%	-10.3	-7.8%	2.2	1.8%	-3.7	-3.0%	-136.1	-53.2%

County Population 562,169 568,534 568,221 577,195 585,284 587,498 589,436 592,416 595,484 594,391 546,457 549,038 551,521 559,351 563,544 555,711 562,037 570,359 573,925 581,311 577,566 557,949

\* Rate per 100,000 population; rates not calculated for years with < 10 hospitalizations

Red percentages indicate this injury type increased in 2016-2018, 2019-2020, 2020-2021, 2021-2022, 2000-2022

Blue percentages indicate this injury type decreased in 2016-2018, 2019-2020, 2020-2021, 2021-2022, 2000-2022

Source: Hospital Discharge Data, Florida Agency for Health Care Administration

Analysis uses the primary diagnosis field to identify injury related hospitalizations

Trends and Percent Change in Select Causes of Injury Hospitalization, Miami-Dade County Residents Age 0-17, 2000-2022

Mechanism	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2016	2017	2018	2019	2020	2021	2022	2016-2018		2019-2020		2020-2021		2021-2022		2000-2022	
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Change	% Change	Change	% Change	Change	% Change	Change	% Change	Change
Cut, Pierce	79	58	50	52	37	45	43	60	45	34	37	40	21	19	22	16	19	21	12	10	5	5	5	31.3%	-2	-16.7%	-5	*	0	0.0%	-74	-93.7%
Drowning	29	32	41	33	34	33	29	42	39	34	36	27	29	20	39	14	17	18	20	19	17	16	4	28.6%	-1	-5.0%	-2	-10.3%	-1	-5.9%	-13	-44.8%
Fall	391	403	413	419	413	374	405	402	425	427	401	349	336	220	254	248	215	168	162	131	128	135	-80	-32.3%	-31	-19.1%	-3	-2.3%	7	5.5%	-256	-65.5%
Fire, Flame	11	2	18	5	12	4	10	8	12	3	5	7	7	9	8	5	4	1	9	14	6	7	-4	*	5	*	-8	-57.1%	1	16.7%	-4	-36.4%
Hot Substance	37	45	29	36	32	31	32	27	30	41	48	52	54	62	45	74	47	41	34	28	31	36	-33	-44.6%	-6	-17.6%	3	10.7%	5	16.1%	-1	-2.7%
Firearm	13	19	32	21	21	33	33	43	46	44	40	45	46	29	45	60	39	35	36	56	28	34	-25	-41.7%	20	55.6%	-28	-50.0%	6	21.4%	21	161.5%
Motor Vehicle Occupant	169	195	207	157	186	173	159	176	107	122	100	88	74	83	65	116	124	104	98	80	105	85	-12	-10.3%	-18	-18.4%	25	31.3%	-20	-19.0%	-84	-49.7%
Motorcycle	10	12	12	24	40	37	42	30	26	9	10	7	12	12	19	14	14	10	12	3	10	5	2	20.0%	-9	-75.0%	7	20.0%	0	0.0%	0	0.0%
Pedal Cyclist	72	71	73	56	72	56	52	54	54	54	40	39	37	33	18	7	13	7	5	3	10	14	0	*	-2	*	7	*	4	40.0%	-58	-80.6%
Pedestrian	83	77	83	79	71	78	69	65	54	60	58	55	39	39	33	16	21	22	12	17	27	21	6	37.5%	5	41.7%	10	58.8%	-6	-22.2%	-62	-74.7%
Other Transport	25	37	37	41	47	49	34	37	41	25	20	25	20	23	26	35	22	19	9	9	17	10	-16	-45.7%	0	*	8	88.9%	-7	-41.2%	-15	-60.0%
Natural, Environmental	33	27	28	25	34	28	23	34	27	34	52	45	39	24	31	3	4	3	4	4	3	4	0	*	0	*	-1	*	1	33.3%	-29	-87.9%
Overexertion	15	11	9	11	23	26	17	20	31	21	25	27	16	16	18	7	5	7	5	3	3	6	.	.	.	.	0	*	3	100.0%	-9	-60.0%
Struck By/Against	116	147	142	130	165	150	123	141	133	143	111	129	99	100	85	58	50	48	36	26	22	25	-10	-17.2%	-10	-27.8%	-4	-15.4%	3	13.6%	-91	-78.4%
Poison	268	322	287	260	283	237	209	194	260	211	209	199	207	211	245	197	213	208	177	170	189	141	11	5.6%	-7	-4.0%	19	11.2%	-48	-25.4%	-127	-47.4%
All Injury Hospitalizations**	1,599	1,688	1,641	1,508	1,655	1,525	1,413	1,491	1,501	1,450	1,363	1,311	1,174	1,027	1,113	868	809	714	631	582	594	549	-154	-17.7%	-49	-7.8%	12	2.1%	-45	-7.6%	-1050	-65.7%

Mechanism	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2016	2017	2018	2019	2020	2021	2022	2016-2018		2019-2020		2020-2021		2021-2022		2000-2022		
	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	rate*	Change	% Change	Change	% Change	Change	% Change	Change	% Change	Change	% Change
Cut, Pierce	14.1	10.2	8.8	9.0	6.3	7.7	7.3	10.1	7.6	5.7	6.8	7.3	3.8	3.4	3.9	2.9	3.4	3.7	2.1	1.7	*	*	0.8	27.9%	-0.4	-17.7%	*	*	*	*	*	*	
Drowning	5.2	5.6	7.2	5.7	5.8	5.6	4.9	7.1	6.5	5.7	6.6	4.9	5.3	3.6	6.9	2.5	3.0	3.2	3.5	3.3	2.9	2.9	0.6	25.3%	-0.2	-6.2%	-0.3	-9.9%	-0.1	-2.6%	-2.3	-44.4%	
Fall	69.6	70.9	72.7	72.6	70.6	63.7	68.7	67.9	71.4	71.8	73.4	63.6	60.9	39.3	45.1	44.6	38.3	29.5	28.2	22.5	22.2	24.2	-15.2	-34.0%	-5.7	-20.2%	-0.4	-1.7%	2.0	9.2%	-45.4	-65.2%	
Fire, Flame	2.0	*	3.2	*	2.1	*	1.7	*	2.0	*	*	*	*	*	*	*	*	*	*	*	2.4	*	*	*	*	*	*	*	*	*	*	*	*
Hot Substance	6.6	7.9	5.1	6.2	5.5	5.3	5.4	4.6	5.0	6.9	8.8	9.5	9.8	11.1	8.0	13.3	8.4	7.2	5.9	4.8	5.4	6.5	-6.1	-46.0%	-1.1	-18.7%	0.6	11.4%	1.1	20.2%	-0.1	-2.0%	
Firearm	2.3	3.3	5.6	3.6	3.6	5.6	5.6	7.3	7.7	7.4	7.3	8.2	8.3	5.2	8.0	10.8	6.9	6.1	6.3	9.6	4.8	6.1	-4.7	-43.2%	3.4	53.6%	-4.8	-49.7%	1.2	25.7%	3.8	163.5%	
Motor Vehicle Occupant	30.1	34.3	36.4	27.2	31.8	29.4	27.0	29.7	18.0	20.5	18.3	16.0	13.4	14.8	11.5	20.9	22.1	18.2	17.1	13.8	18.2	15.2	-2.6	-12.6%	-3.3	-19.4%	4.4	32.1%	-2.9	-16.2%	-14.8	-49.3%	
Motorcycle	1.8	2.1	2.1	4.2	6.8	6.3	7.1	5.1	4.4	*	1.8	*	2.1	2.1	3.4	2.5	2.5	1.7	2.1	*	*	*	-1.0	-28.2%	0.3	18.5%	*	*	*	*	*	*	
Pedal Cyclist	12.8	12.5	12.8	9.7	12.3	9.5	8.8	9.1	9.1	9.1	7.3	7.1	6.7	5.9	3.2	1.3	2.3	*	*	*	*	1.7	2.5	*	*	*	*	*	1	44.9%	-10	-10.0%	
Pedestrian	14.8	13.5	14.6	13.7	12.1	13.3	11.7	11.0	9.1	10.1	10.6	10.0	7.1	7.0	5.9	2.9	3.7	3.9	2.1	2.9	4.7	3.8	1.0	34.0%	0.8	39.9%	1.8	59.9%	-0.9	-19.5%	-11.0	-74.5%	
Other Transport	4.4	6.5	6.5	7.1	8.0	8.3	5.8	6.2	6.9	4.2	3.7	4.6	3.6	4.1	4.6	6.3	3.9	3.3	*	2.9	1.8	-3.0	-4.7	-47.1%	*	*	*	*	-1	-39.1%	-3	-33.3%	
Natural, Environmental	5.9	4.7	4.9	4.3	5.8	4.8	3.9	5.7	4.5	5.7	9.5	8.2	7.1	4.3	5.5	0.5	0.7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Overexertion	2.7	1.9	*	1.9	3.9	4.4	2.9	3.4	5.2	3.5	4.6	4.9	2.9	3.2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Struck By/Against	20.6	25.9	25.0	22.5	28.2	25.5	20.9	23.8	22.3	24.1	20.3	23.5	18.0	17.9	15.1	10.4	8.9	8.4	6.3	4.5	3.8	4.5	-2.0	-19.4%	-1.8	-28.7%	-0.7	-14.8%	0.7	17.6%	-16.2	-78.3%	
Poison	47.7	56.6	50.5	45.0	48.4	40.3	35.5	32.7	43.7	35.5	38.2	36.2	37.5	37.7	43.5	35.5	37.9	36.5	30.8	29.2	32.7	25.3	1.0	2.9%	-1.6	-5.2%	3.5	11.9%	-7.5	-22.8%	-22.4	-47.0%	
All Injury Hospitalizations**	284.4	296.9	288.8	261.3	282.8	259.6	239.7	251.7	252.1	243.9	249.4	238.8	212.9	183.6	197.5	156.2	143.9	125.2	109.9	100.1	102.8	98.4	-31.0	-19.9%	-9.8	-8.9%	2.7	2.7%	-4.4	-4.3%	-181.6	-63.8%	

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\* Rate per 100,000 population; rates not calculated for years with < 10 hospitalizations

\*\* Percent change not calculated for years < 10 hospitalizations unless difference from baseline year is > 10

Red percentages indicate this injury type increased in 2016-2018, 2019-2020, 2020-2021, 2021-2022, 2000-2022

Blue percentages indicate this injury type decreased in 2016-2018, 2019-2020, 2020-2021, 2021-2022, 2000-2022

Source: Hospital Discharge Data, Florida Agency for Health Care Administration

Analysis uses the primary diagnosis field to identify injury related hospitalizations

\* In October 2015 the ICD changed from ICD-9 to ICD 10