

Wind-Related Bounce House Incidents in Meteorological, Regulatory, and Outreach Contexts

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Table ES1. Wind-related bounce house incidents, January 2000–December 2021.

Year	Month	Day	City and state	Country	Injuries	Fatalities	Related weather event
2000	July	23	Butte, Montana	United States	3	0	Cold front
2001	March	11	Kapunda, South Australia	Australia	15	1	Dust devil
2001	July	15	Magdalena, New Mexico	United States	4	0	Dust devil
2001	July	27	Salem, Oregon	United States	4	0	Undetermined
2001	September	9	Southampton	United Kingdom	4	0	Undetermined
2002	April	2	Queens, New York	United States	10	0	Other synoptic scale
2002	August	24	Troon	United Kingdom	2	0	Cold front
2003	July	4	Billings, Montana	United States	4	0	Dust devil
2003	September	21	Wingecarribee	Australia	11	0	Undetermined
2004	August	14	Minersville, Utah	United States	7	0	Gust front/outflow
2005	April	9	Sahuarita, Arizona	United States	1	0	Undetermined
2005	May	28	Staffordshire	United Kingdom	3	0	Post–cold front
2005	July	—	Pila	Poland	3	0	Undetermined
2006	June	10	La Mirada, California	United States	4	0	Undetermined
2006	July	1	The Colony, Texas	United States	1	0	Gust front/outflow
2006	July	1	Lewisville, Texas	United States	1	0	Gust front/outflow
2006	July	23	Durham	United Kingdom	12	2	Post–cold front
2007	May	1	Budapest	Hungary	5	1	Post–cold front
2007	May	2	Yinchuan	China	3	1	Undetermined
2007	May	28	Swansea	United Kingdom	2	0	Post–cold front
2007	June	9	Maʻiili, Hawaii	United States	2	0	Dust devil
2007	October	20	Topeka, Kansas	United States	1	0	Other synoptic scale
2008	February	23	Arakawa, Tokyo	Japan	1	0	Cold front
2008	May	30	Southend	United Kingdom	1	0	Undetermined
2008	June	16	Nicosia	Cyprus	7	0	Undetermined
2008	July	9	Charleston, South Carolina	United States	4	0	Undetermined
2008	August	3	Wellington, Colorado	United States	6	0	Thunderstorm
2009	June	27	Middletown, Ohio	United States	1	0	Post–cold front
2010	January	17	Jacksonville, Florida	United States	1	0	Post–cold front
2010	April	4	El Paso, Texas	United States	3	0	Dust devil
2010	September	25	Lincoln, Nebraska	United States	1	0	Post–cold front
2010	November	23	Takashima, Shiga	Japan	3	0	Post–cold front
2011	February	19	Marana, Arizona	United States	2	0	Cold front
2011	April	2	Tucson, Arizona	United States	2	0	Dust devil
2011	April	21	New Square, New York	United States	4	0	Post–cold front
2011	April	29	Clovis, California	United States	5	0	Other synoptic scale
2011	May	13	Tucson, Arizona	United States	0	0	Dust devil
2011	May	14	Yuba City, California	United States	1	0	Cold front
2011	May	14	Coolnasmear, County Waterford	Ireland	0	1	Post–cold front
2011	May	22	Tonbridge, Kent	United Kingdom	8	0	Cold front
2011	May	29	Whitby, Yorkshire	United Kingdom	3	0	Post–cold front
2011	June	4	Oceanside, New York	United States	13	0	Post–cold front
2012	March	1	Scottsdale, Arizona	United States	0	0	Undetermined
2012	May	12	Orange, Connecticut	United States	10	0	Dust devil
2012	July	7	Jūrmala	Latvia	0	0	Undetermined

2012	November	17	Maunu	New Zealand	4	0	Cold front
2013	March	9	Heze, Shandong	China	2	0	Cold front
2013	April	19	Anthony, New Mexico	United States	3	0	Undetermined
2013	April	28	Ripley	United Kingdom	6	0	Other synoptic scale
2013	May	4	Chico, California	United States	1	0	Gust front/outflow
2013	May	14	Frederick, Oklahoma	United States	7	0	Undetermined
2013	June	7	Dothan, Alabama	United States	0	1	Thunderstorm
2013	July	21	Pretoria	South Africa	3	0	Undetermined
2013	August	31	Armadale	Australia	2	0	Undetermined
2013	October	26	Pietermaritzburg	South Africa	1	0	Post–cold front
2013	November	3	Kempton Park	South Africa	1	0	Undetermined
2014	January	22	Otago	New Zealand	1	0	Cold front
2014	April	27	Alicante	Spain	23	0	Cold front
2014	April/May	—	Edmond, Oklahoma	United States	2	0	Undetermined
2014	May	12	South Glens Falls, New York	United States	3	0	Post–cold front
2014	May	31	Littleton, Colorado	United States	2	0	Undetermined
2014	June	28	Grafton, North Dakota	United States	3	0	Cold front
2014	July	4	Sparks, Nevada	United States	2	0	Dust devil
2014	July	4	Pocatello, Idaho	United States	3	0	Gust front/outflow
2014	July	12	Jimo, Shandong	China	1	1	Undetermined
2014	October	5	Shanghai	China	13	0	Undetermined
2014	October	12	Nashua, New Hampshire	United States	2	0	Post–cold front
2014	October	18	São Paulo	Brazil	1	0	Dust devil
2014	November	1	Geelong, Victoria	Australia	4	0	Post–cold front
2014	November	15	Simi Valley, California	United States	0	0	Santa Ana wind
2014	November	22	Hawera, Taranaki	New Zealand	1	0	Cold front
2014	December	31	Pasadena, California	United States	4	0	Dust devil
2015	February	—	Guangxi	China	3	0	Undetermined
2015	April	11	Socastee, South Carolina	United States	11	0	Cold front
2015	May	9	Phoenix, Arizona	United States	0	0	Undetermined
2015	May	25	Fort Lauderdale, Florida	United States	3	0	Waterspout
2015	June	4	Tianyang, Guangxi	China	0	1	Undetermined
2015	June	6	Cupar, Fife	United Kingdom	5	0	Other synoptic scale
2015	July	5	Tartu	Estonia	3	2	Post–cold front
2015	July	18	Douglas	Isle of Man	1	0	Post–cold front
2016	February	27	Willawong, Queensland	Australia	1	0	Other synoptic scale
2016	March	27	Essex	United Kingdom	1	1	Post–cold front
2016	May	6	Houston, Texas	United States	10	0	Undetermined
2016	May	20	Logan, Philadelphia, Pennsylvania	United States	0	0	Undetermined
2016	June	18	Niagara County, New York	United States	0	0	Undetermined
2016	July	31	Kalgoorlie-Boulder	Australia	0	0	Cold front
2016	August	3	Swanage, Dorset	United Kingdom	13	0	Post–cold front
2016	August	28	Fort Wayne, Indiana	United States	1	0	Cold front
2017	March	26	Orlando, Florida	United States	5	0	Undetermined
2017	April	8	Greenville, South Carolina	United States	5	0	Undetermined
2017	May	7	Caldes de Malavella, Catalonia	Spain	6	1	Undetermined
2017	May	28	San Luis Potosi	Mexico	4	0	Dust devil

2017	May	—	Shandong	China	1	0	Undetermined
2017	September	—	Queensland	Australia	1	0	Undetermined
2017	October	15	Wheatfield, New York	United States	3	0	Cold front
2018	April	2	Kolkata	India	14	0	Thunderstorm
2018	May	12	Adelanto, California	United States	1	0	Other synoptic scale
2018	May	30	Quanzhou	China	8	1	Undetermined
2018	June	24	Santa Fe, New Mexico	United States	2	0	Dust devil
2018	September	16	Changde, Hunan	China	3	0	Tropical cyclone
2018	October	3	Lincoln, Nebraska	United States	1	1	Cold front
2018	October	6	Las Vegas, Nevada	United States	11	0	Cold front
2018	October	20	Rockford, Illinois	United States	4	0	Cold front
2019	March	17	Periana	Spain	1	0	Cold front
2019	March	31	Yucheng County, Henan	China	20	2	Dust devil
2019	April	27	Muskogee, Oklahoma	United States	3	0	Cold front
2019	April	27	Pasco, Washington	United States	1	0	Cold front
2019	May	1	Zillah, Washington	United States	5	0	Dust devil
2019	May	5	Orange County, Florida	United States	1	0	Thunderstorm
2019	May	5	Orange County, Florida	United States	0	0	Thunderstorm
2019	May	11	Beaumont, Texas	United States	0	0	Thunderstorm
2019	May	11	Deltona, Florida	United States	0	0	Gust front/outflow
2019	May	30	Ulan-Ude	Russia	5	0	Dust devil
2019	June	16	Howden, Yorkshire	United Kingdom	4	0	Thunderstorm
2019	July	4	Tampa, Florida	United States	0	0	Thunderstorm
2019	July	14	Reno, Nevada	United States	2	1	Other synoptic scale
2019	September	19	Draper, Utah	United States	0	0	Post–cold front
2019	October	19	Sydney	Australia	4	0	Cold front
2019	—	—	Baoding City, Hebei	China	7	2	Dust devil
2019	—	—	Shangqiu, Henan	China	0	1	Undetermined
2020	February	29	Chihuahua	Mexico	1	0	Undetermined
2020	April	26	Henan	China	6	0	Other synoptic scale
2020	June	6	Lakewood, Colorado	United States	1	0	Thunderstorm
2020	November	8	Tabbita, New South Wales	Australia	2	0	Dust devil
2021	February	12	Las Vegas, Nevada	United States	0	0	Thunderstorm
2021	March	13	El Paso, Texas	United States	3	0	Cold front
2021	March	16	El Paso, Texas	United States	3	0	Cold front
2021	April	4	Zaozhuang, Shandong	China	0	1	Other synoptic scale
2021	May	16	Paulden, Arizona	United States	2	0	Dust devil
2021	May	20	Mesa, Arizona	United States	4	0	Dust devil
2021	July	1	Akureyri	Iceland	7	0	Undetermined
2021	December	16	Devonport, Tasmania	Australia	3	6	Nonconvective mesoscale