Traffic Crashes - Crashes

Transportation

Crash data shows information about each traffic crash on city streets within the City of Chicago limits and under the jurisdiction of Chicago Police Department (CPD). Data are shown as is from the electronic crash reporting system (E-Crash) at CPD, excluding any personally identifiable information. Records are added to the data portal when a crash report is finalized or when amendments are made to an existing report in E-Crash. Data from E-Crash are available for some police districts in 2015, but citywide data are not available until September 2017. About half of all crash reports, mostly minor crashes, are self-reported at the police district by the driver(s) involved and the other half are recorded at the scene by the police officer responding to the crash. Many of the crash parameters, including street condition data, weather condition, and posted speed limits, are recorded by the reporting officer based on best available information at the time, but many of these may disagree with posted information or other assessments on road conditions. If any new or updated information on a crash is received, the reporting officer may amend the crash report at a later time. A traffic crash within the city limits for which CPD is not the responding police agency, typically crashes on interstate highways, freeway ramps, and on local roads alor
boundary, are excluded from this dataset.

All crashes are recorded as per the format specified in the Traffic Crash Report, SR1050, of the Illinois Department of Transportation. The crash data published on the Chicago data portal mostly follows the data elements in SR1050 form. The current version of the SR1050 instructions manual with detailed information on each data elements is available here.

As per Illinois statute, only crashes with a property damage value of $1,500 or more or involving bodily injury to any person(s) and that happen on a public roadway and that involve at least one moving vehicle, except bike dooring, are considered reportable crashes. However, CPD records every reported traffic crash event, regardless of the statute of limitations, and hence any formal Chicago crash dataset released by Illinois Department of Transportation may not include all the crashes listed here.

Change 11/21/2023: We have removed the RD_NO (Chicago Police Department report number) for privacy reasons.

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Last UpdatedApril 15, 2024
Data Provided ByCity of Chicago

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Traffic Crashes - Vehicles

External Content

A dataset of vehicles related to these crashes

Traffic Crashes - People

External Content

A dataset of people related to these crashes

Vision Zero Chicago

External Content

City of Chicago Vision Zero plan to work with th
community to prioritize human life and safety c
Chicago's streets.

About this Dataset

Updated
April 15, 2024

Data Last Updated April 15, 2024

Metadata Last Updated December 13, 2023

Date Created October 19, 2017

Views	Downloads
394K	**26.6K**

Data Provided by City of Chicago

Dataset Owner Jonathan Levy

Metadata

Changes and Other Historical Information	http://dev.cityofchicago.org/open%20data/data%20portal/2020/07/21/traffic-crash-data-source.html | http://dev.ci

Useful to Understanding This Dataset	tyofchicago.org/open%20data/data%20portal/2020/02/11/traffic-crash-rd-numbers.html
Data Owner	Chicago Police Department
Time Period	2015 to present (All police districts September 2017 - present)
Frequency	Daily

Topics

Category	Transportation
Tags	transportation, public safety, vision zero, traffic crashes, link to article present

Licensing and Attribution

License	See Terms of Use
Source Link	http://www.chicago.gov

What's in this Dataset?

Rows
824K
Columns
48
Each row is a
Traffic Crash

Columns in this Dataset

Column Name	Description	Type
CRASH_RECORD_ID	This number can be used to link to the same crash in the Vehicles and People datasets. This number also serves as a unique ID in this dataset.	Plain Text
Data Type Text API Field Name crash_record_id		
CRASH_DATE_EST_I	Crash date estimated by desk officer or reporting party (only used in cases where crash is reported	Plain Text

Column Name	Description	Type
	at police station days after the crash) Data Type Text API Field Name crash_date_est_i	
CRASH_DATE	Date and time of crash as entered by the reporting officer Data Type Floating Timestamp API Field Name crash_date	Date & Time
POSTED_SPEED_LIMIT	Posted speed limit, as determined by reporting officer Data Type Number API Field Name posted_speed_limit	Number
TRAFFIC_CONTROL_DEVICE	Traffic control device present at crash location, as determined by reporting officer Data Type Text API Field Name traffic_control_device	Plain Text
DEVICE_CONDITION	Condition of traffic control device, as determined by reporting officer Data Type Text API Field Name device_condition	Plain Text
WEATHER_CONDITION	Weather condition at time of crash, as determined by reporting officer	Plain Text

Column Name	Description	Type
Data Type Text API Field Name weather_condition		
LIGHTING_CONDITION	Light condition at time of crash, as determined by reporting officer	Plain Text
Data Type Text API Field Name lighting_condition		
FIRST_CRASH_TYPE	Type of first collision in crash	Plain Text
Data Type Text API Field Name first_crash_type		
TRAFFICWAY_TYPE	Trafficway type, as determined by reporting officer	Plain Text
Data Type Text API Field Name trafficway_type		
LANE_CNT	Total number of through lanes in either direction, excluding turn lanes, as determined by reporting officer (0 = intersection)	Number
Data Type Number API Field Name lane_cnt		
ALIGNMENT	Street alignment at crash location, as determined by reporting officer	Plain Text

Column Name	Description	Type
Data Type Text API Field Name alignment		
ROADWAY_SURFACE_COND	Road surface condition, as determined by reporting officer	Plain Text
Data Type Text API Field Name roadway_surface_cond		
ROAD_DEFECT	Road defects, as determined by reporting officer	Plain Text
Data Type Text API Field Name road_defect		
REPORT_TYPE	Administrative report type (at scene, at desk, amended)	Plain Text
Data Type Text API Field Name report_type		
CRASH_TYPE	A general severity classification for the crash. Can be either Injury and/or Tow Due to Crash or No Injury / Drive Away	Plain Text
Data Type Text API Field Name crash_type		
INTERSECTION_RELATED_I	A field observation by the police officer whether an intersection played a role in the crash. Does not	Plain Text

Column Name	Description	Type
	represent whether or not the crash occurred within the intersection. Data Type Text API Field Name intersection_related_i	
NOT_RIGHT_OF_WAY_I	Whether the crash begun or first contact was made outside of the public right-of-way. Data Type Text API Field Name private_property_i	Plain Text
HIT_AND_RUN_I	Crash did/did not involve a driver who caused the crash and fled the scene without exchanging information and/or rendering aid Data Type Text API Field Name hit_and_run_i	Plain Text
DAMAGE	A field observation of estimated damage. Data Type Text API Field Name damage	Plain Text
DATE_POLICE_NOTIFIED	Calendar date on which police were notified of the crash Data Type Floating Timestamp API Field Name date_police_notified	Date & Time

Column Name	Description	Type
PRIM_CONTRIBUTORY_CAUSE Data Type Text API Field Name prim_contributory_cause	The factor which was most significant in causing the crash, as determined by officer judgment	Plain Text
SEC_CONTRIBUTORY_CAUSE Data Type Text API Field Name sec_contributory_cause	The factor which was second most significant in causing the crash, as determined by officer judgment	Plain Text
STREET_NO Data Type Number API Field Name street_no	Street address number of crash location, as determined by reporting officer	Number
STREET_DIRECTION Data Type Text API Field Name street_direction	Street address direction (N,E,S,W) of crash location, as determined by reporting officer	Plain Text
STREET_NAME Data Type Text API Field Name street_name	Street address name of crash location, as determined by reporting officer	Plain Text

Column Name	Description	Type
BEAT_OF_OCCURRENCE Data Type Number API Field Name beat_of_occurrence	Chicago Police Department Beat ID. Boundaries available at https://data.cityofchicago.org/d/aerh-rz74	Number
PHOTOS_TAKEN_I Data Type Text API Field Name photos_taken_i	Whether the Chicago Police Department took photos at the location of the crash	Plain Text
STATEMENTS_TAKEN_I Data Type Text API Field Name statements_taken_i	Whether statements were taken from unit(s) involved in crash	Plain Text
DOORING_I Data Type Text API Field Name dooring_i	Whether crash involved a motor vehicle occupant opening a door into the travel path of a bicyclist, causing a crash	Plain Text
WORK_ZONE_I	Whether the crash occurred in an active work zone	Plain Text

Column Name	Description	Type
Data Type Text API Field Name work_zone_i		
WORK_ZONE_TYPE	The type of work zone, if any	Plain Text
Data Type Text API Field Name work_zone_type		
WORKERS_PRESENT_I	Whether construction workers were present in an active work zone at crash location	Plain Text
Data Type Text API Field Name workers_present_i		
NUM_UNITS	Number of units involved in the crash. A unit can be a motor vehicle, a pedestrian, a bicyclist, or another non-passenger roadway user. Each unit represents a mode of traffic with an independent trajectory.	Number
Data Type Number API Field Name num_units		
MOST_SEVERE_INJURY	Most severe injury sustained by any person involved in the crash	Plain Text
Data Type Text API Field Name most_severe_injury		

Column Name	Description	Type
INJURIES_TOTAL	Total persons sustaining fatal, incapacitating, non-incapacitating, and possible injuries as determined by the reporting officer Data Type Number API Field Name injuries_total	Number
INJURIES_FATAL	Total persons sustaining fatal injuries in the crash Data Type Number API Field Name injuries_fatal	Number
INJURIES_INCAPACITATING	Total persons sustaining incapacitating/serious injuries in the crash as determined by the reporting officer. Any injury other than fatal injury, which prevents the injured person from walking, driving, or normally continuing the activities they were capable of performing before the injury occurred. Includes severe lacerations, broken limbs, skull or chest injuries, and abdominal injuries. Data Type Number API Field Name injuries_incapacitating	Number
INJURIES_NON_INCAPACITATING	Total persons sustaining non-incapacitating injuries in the crash as determined by the reporting officer. Any injury, other than fatal or incapacitating injury, which is evident to observers at the scene of the crash. Includes lump on head, abrasions, bruises, and minor lacerations. Data Type Number	Number

Column Name	Description	Type
API Field Name injuries_non_incapacitating		
INJURIES_REPORTED_NOT_EVIDENT	Total persons sustaining possible injuries in the crash as determined by the reporting officer. Includes momentary unconsciousness, claims of injuries not evident, limping, complaint of pain, nausea, and hysteria.	Number
Data Type Number API Field Name injuries_reported_not_evident		
INJURIES_NO_INDICATION	Total persons sustaining no injuries in the crash as determined by the reporting officer	Number
Data Type Number API Field Name injuries_no_indication		
INJURIES_UNKNOWN	Total persons for whom injuries sustained, if any, are unknown	Number
Data Type Number API Field Name injuries_unknown		
CRASH_HOUR	The hour of the day component of CRASH_DATE.	Number
Data Type Number API Field Name crash_hour		
CRASH_DAY_OF_WEEK	The day of the week component of CRASH_DATE. Sunday=1	Number
Data Type		

Column Name	Description	Type
Number API Field Name crash_day_of_week		
CRASH_MONTH Data Type Number API Field Name crash_month	The month component of CRASH_DATE.	Number
LATITUDE Data Type Number API Field Name latitude	The latitude of the crash location, as determined by reporting officer, as derived from the reported address of crash	Number
LONGITUDE Data Type Number API Field Name longitude	The longitude of the crash location, as determined by reporting officer, as derived from the reported address of crash	Number
LOCATION Data Type Point API Field Name location	The crash location, as determined by reporting officer, as derived from the reported address of crash, in a column type that allows for mapping and other geographic analysis in the data portal software	Point

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Dataset Changelog

No changes have been archived yet

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https://support.socrata.com/hc/en-us/articles/115010730868
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Send a short message to the dataset owner to ask a question, make a comment, or point out something about the data.

Subject

Message

Your Email (Your email address will be shared with the dataset owner so they can get back to you)

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Traffic Crashes - Vehicles

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A dataset of vehicles related to these crashes

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A dataset of people related to these crashes

Vision Zero Chicago

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City of Chicago Vision Zero plan to work with th

Done