

## Drinking Water Sanitation

### Drinking Water Treatment

Because water is a good solvent, it picks up all sorts of natural pollutants. This makes it necessary for drinking water to be treated for sanitation.

[http://www.cityofchicago.org/city/en/depts/water/supp\\_info/education/water\\_treatment.html](http://www.cityofchicago.org/city/en/depts/water/supp_info/education/water_treatment.html)

Chlorine: to disinfect the water.

Aluminum Sulfate or Alum and Polymer: for coagulation to settle out impurities.

Blended Polyphosphate: to coat pipes and prevent lead leaching.

Activated Carbon: to remove unpleasant tastes and odors.

Fluoride: to help fight cavities in children's teeth.

### Contaminants

Even though Chicago's water is deemed safe, there are new findings on emerging contaminants.

<http://www.chicagotribune.com/lifestyles/health/ct-met-water-filter-advice-20110824-story.html#page=1>

The Tribune reported this month that federal regulators found high lead levels in the drinking water of seven of 38 Chicago homes where they took samples this spring. The contaminant, which is especially dangerous for pregnant women and children, can enter tap water through old municipal pipes and home plumbing systems.

### Quarterly Chemical Analysis

Different chemicals can emerge through out the year and contaminate your drinking water.

[http://www.cityofchicago.org/city/en/depts/water/supp\\_info/water\\_quality\\_resultsandreports/comprehensive\\_chemicalanalysis.html](http://www.cityofchicago.org/city/en/depts/water/supp_info/water_quality_resultsandreports/comprehensive_chemicalanalysis.html)

March 18 and 19, 2014.

Jardine Water Purification Plant. 5B Central Outlet.

Radioactivity, Gross Alpha <9

## Neighborhood Crime Rates

### Crime in Chicago by month from 2001 to present

Crime is on a continual downfall but each year it always spikes in July.

<http://crime.chicagotribune.com/>

July 2014 Reports.

Violent Crimes 2,249.

Property Crimes 8,418

Quality of Life Crimes 5,208

### Crime Rates by Neighborhood

Crime rates vary between the different neighborhoods within Chicago.

<http://www.neighborhoodscout.com/il/chicago/crime/>

N Sheridan Rd / W Wilson Ave is an are of high crime.

### Safest Neighborhood in Chicago

Crime rates in a neighborhood can depend on household income.

<http://www.chicagomag.com/Chicago-Magazine/September-2013/These-Are-the-Safest-Neighborhoods-in-Chicago/>

Safest

Rank	Neighborhood	Crime rate* per 100,000
1	Edison Park	921
2	Forest Glen	994
3	Mount Greenwood	1,016
4	Norwood Park	1,188
5	Dunning	1,502 .

# Uber Transportation

## Revenue Statistics

Leak information showing how well the Uber transportation business has been doing.

<http://techcrunch.com/2013/12/04/leaked-uber-nubbers-which-weve-confirmed-point-to-over-1b-gross-revenue-213m-revenue/>

METRICS	TRIPS	DRIVERS	COMMUNITY	CITIES	VEHICLES	ENG	
<b>Uber Global</b>							
Last updated: November 20, 2013 16:27:06 GMT-0800 (PST)							
	2013-10-14	2013-10-21	2013-10-28	2013-11-04	2013-11-11	2013-11-18	Last 7 days
Revenue	\$19,303,828	\$20,770,801	\$20,123,946	\$21,023,868	\$21,501,835	\$6,941,013	\$22,103,756
Signups	76849	79264	79432	76139	84756	28537	89976
Active Clients	401020	424894	435468	434066	453946	172355	463630
Eyeballs	1791740	1878555	1962419	1901477	2008775	668273	2104967
Zeros	209330	186583	195533	174082	176955	66865	186371
Requests	1066440	1068899	1337091	1071497	1155070	350552	1200359
Completed	720319	783685	806436	820757	862838	263294	887699

## Uber Ratings

Even though Chicago's water is deemed safe, there are new findings on emerging contaminants.

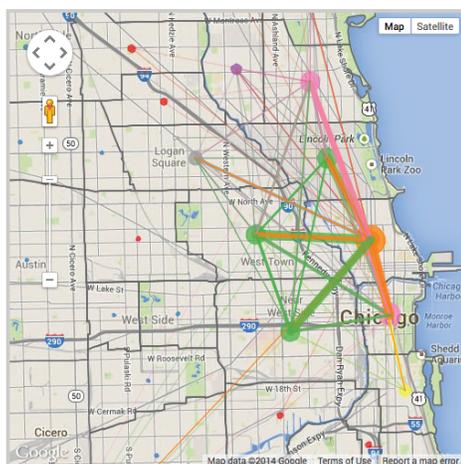
<http://www.forbes.com/sites/jeffbercovici/2014/08/14/what-are-we-actually-rating-when-we-rate-other-people/>

A large number of those who answered one way or another said they default to the highest possible rating for everything other than the very worst rides.

## Mapping Chicago

Most flow of Uber rides stay within city limits.

<http://blog.uber.com/2012/11/12/uberdata-mapping-a-citys-flow-using-ubers-ridership-data/>



Chicago

## Clean Energy

### Wind farms

To address climate change, the world must require higher efficiency from existing energy sources and move to cleaner power sources.

[http://www.chicagoclimataction.org/pages/renewable\\_energy\\_sources/13.php](http://www.chicagoclimataction.org/pages/renewable_energy_sources/13.php)

Chicago wind power has increased and construction of more wind farms is in the works. Procuring large-scale renewable sources for Chicagoans in order to reduce electricity emissions by 20 percent could replace four coal-fired power plants.

### Clean energy jobs

Clean Energy is increasingly recognizable in our daily lives, from wind turbines and solar panels that harness clean, safe energy sources that won't run out; to electric vehicles that eliminate the need to stop and pay for gas; to thermostats that learn our behavior and lower our electric bills.

[www.cleanjobsillinois.com/#part-1-clean-energy-in-illinois](http://www.cleanjobsillinois.com/#part-1-clean-energy-in-illinois)

Currently 96,875 clean energy jobs in Illinois right now and the industry is expected to grow 9% in 2014.

### Microsoft Banks On Wind to Power Chicago Data Center

Microsoft is betting big on renewable energy. The company announced July 15 in a statement that it plans to "purchase 175 megawatts of wind energy from the Pilot Hill Wind Project in Illinois, about 60 miles south of Chicago, as part of a 20-year agreement."

<http://www.eweek.com/cloud/microsoft-banks-on-wind-to-power-chicago-data-center.html>

The new "wind farm is on the same electric grid that powers our data center in Chicago," stated Bernard in a blog post. "Because the Chicago data center draws power from the Illinois power grid, projects like Pilot Hill help provide a non-polluting source of energy that displaces greenhouse gas emissions from conventional power." Construction is already under way.

## Biking to work

### Wind farms

About 30,684 take a taxi, motorcycle or bike to work in Chicago, Illinois. This is approximately 2% of the working population in the area.

<http://transportation-modes-city.findthebest.com/q/743/2041/How-many-people-ride-a-bike-to-work-in-Chicago-Illinois>

Chicago, Illinois Transportation Statistics compared to other Mode of Transportation to Work by its Taxicab, motorcycle, bicycle, or other means



### Bike Commuters in Chicago

Nationwide, more than 777,000 people rode bicycles as their primary means of traveling to work last year, according to the Census Bureau's 2011 American Community Survey.

[www.governing.com/blogs/by-the-numbers/bike-to-work-map-us-cities-census-data.html](http://www.governing.com/blogs/by-the-numbers/bike-to-work-map-us-cities-census-data.html)

city	bike share of commuters	total bike commuters	margin of error	total workers	margin of error
Chicago, Illinois	1.4	16,833	2,525	1,199,278	12,030

### Emanuel and bikes

"Chicago has made incredible progress over the last few years," said Martha Roskowski, vice president at People for Bikes, a Boulder, Colo.-based advocacy group. But, she added, "Chicago also has a ways to go."

<http://chi.streetsblog.org/2014/06/02/want-to-measure-bike-ridership-count-people-not-miles-of-bike-lanes/>

Since Emanuel took office in 2011, Chicago has installed 52 miles of protected bike lanes [it's installed 16 miles of protected bike lanes], which use a variety of means — plastic pylons, striped pavement markings and non-curb-side parking spaces — to separate bikes from vehicles. That brings the city's total bicycle lanes to 207 miles.

# Education

## Elementary and Secondary Schools

With 613 elementary and high schools, the Chicago Public Schools (CPS) system is the largest public elementary and secondary educational system in Illinois.

<http://www.city-data.com/us-cities/The-Midwest/Chicago-Education-and-Research.html>

The following is a summary of data regarding the Chicago public schools as of the 2004–2005 school year (middle schools are included in the elementary school count).

Total enrollment: 426,812

Number of facilities

elementary schools: 486

high schools: 107

Student teacher ratio: elementary, 22.7:1; high school, 19.6 (2003)

Teacher salaries

average: \$62,985 (2003)

Funding per pupil: \$8,786 (2003)

## Graduation rates

Chicago public school increased their graduation rates by 15 percent over six years focusing on ninth-grade on track success.

<http://www.usnews.com/opinion/articles/2014/09/05/chicago-public-schools-show-real-graduation-rate-progress>

### The Freshman Fix

Chicago public schools increased their graduation rates by 15 percent over six years focusing on ninth-grade On-Track success.

