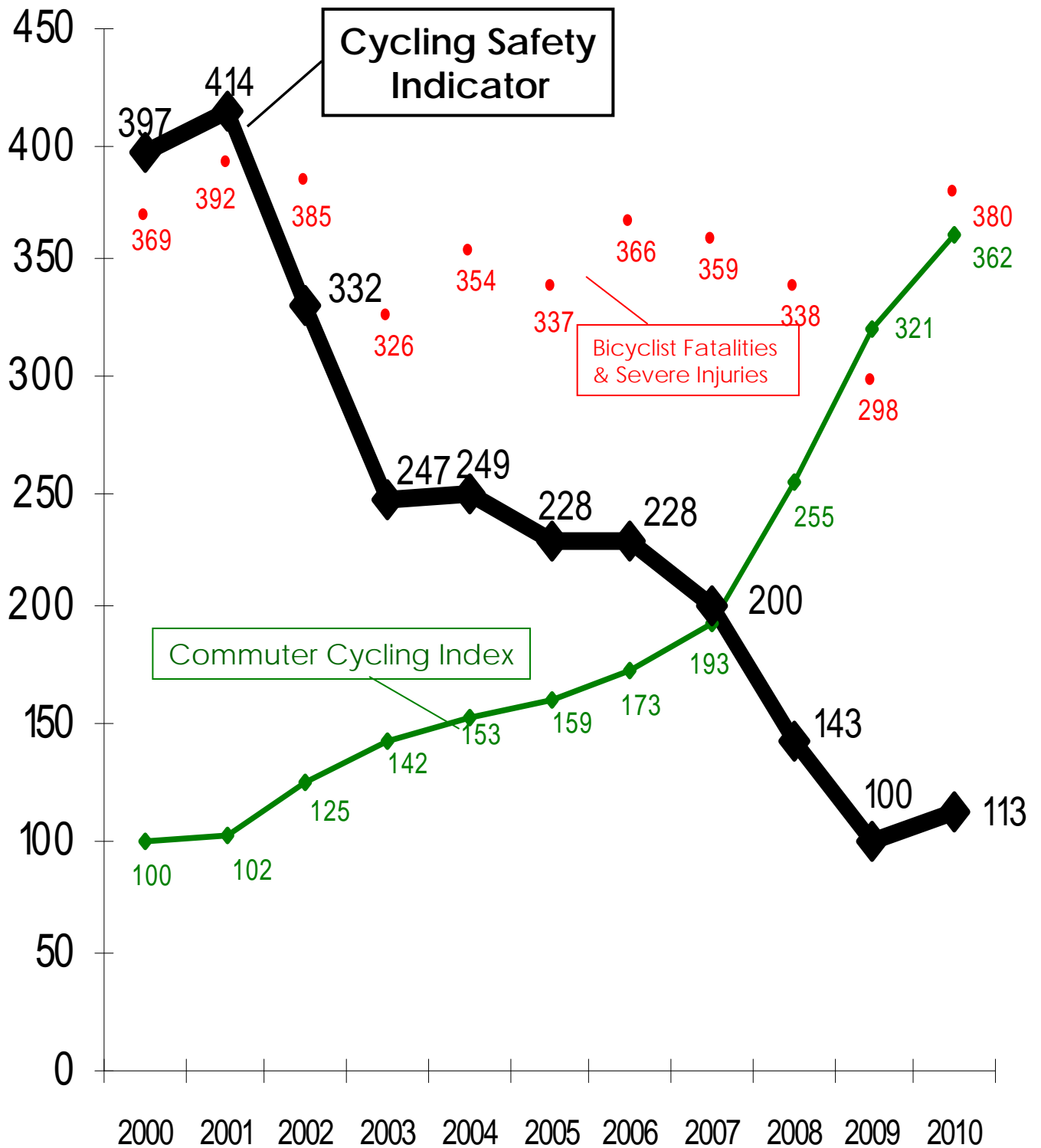


New York City Cycling Safety Indicator



New York City Cycling Safety Indicator

NYC Cycling Safety Indicator, Commuter Cycling, and Bicyclist Fatalities and Severe Injuries					
Year	Bicyclist Fatalities	Bicyclist Severe Injuries	Bicyclist Fatalities + Severe Injuries	Commuter Cycling Indicator	Cycling Safety Indicator
2000	18	351	369	100	397
2001	13	379	392	102	414
2002	21	364	385	125	332
2003	18	308	326	142	247
2004	16	338	354	153	249
2005	22	315	337	159	228
2006	18	348	366	173	228
2007	24	335	359	193	200
2008	26	312	338	255	143
2009	12	286	298	321	100
2010	19	361	380	362	113

New York City Cycling Safety Indicator

The NYC Cycling Safety Indicator describes changes in cyclist safety over the past decade while accounting for the increase in bicycle use in New York City. The decrease in the Cycling Safety Indicator from 397 in 2000 to 113 in 2010 represents a **72% decrease in the average risk of a serious injury** experienced by commuter cyclists in New York City.

The **Cycling Safety Indicator** is calculated each year in two steps:

- 1)
$$\frac{\text{(Annual NYC bicyclist fatalities + annual NYC bicyclist severe injuries)}}{\text{Annual NYC Commuting Cycling Indicator index value}}$$
- 2) The result of step 1 is indexed to the year 2009 value.

This indicator uses the sum of bicyclist fatalities and severe injuries for several reasons. Severe injuries (Type A injuries, as reported by responding officers and classified by the NYS Dept. of Motor Vehicles) generally receive medical attention and are more likely than other injuries to result in medically serious outcomes such as long-term disabilities. Severe injuries are reported more consistently than non-severe injuries. Bicyclist fatalities vary widely from year to year; bicyclist severe injuries are more consistent. Summing severe injuries and fatalities allows observation of year-to-year changes in the number of medically serious bicyclist crashes.

Sources:

- NYC Commuting Cycling Indicator. The Indicator is based on weekday 12-hour counts taken at 6 key cycling locations, indexed to year 2000 count: http://www.nyc.gov/html/dot/downloads/pdf/commuter_cycling_indicator_and_data_2010.pdf
- Bicyclist fatalities: NYCDOT Traffic Fatality Database
- Bicyclist severe injuries: NYSDOT Crash Database (Type A injuries reported in crashes involving bicycles.)