



## CMF / CRF Details

CMF ID: 3078

Change number of all-way stop intersections from X to Y

Description:

Prior Condition: *No Prior Condition(s)*

Category: Intersection traffic control

Study: [\*A Random-parameter Model to Explain the Effects of Built Environment Characteristics on Pedestrian crash frequency, Ukkusuri et al., 2011\*](#)

Star Quality Rating:



[\[View score details\]](#)

### Crash Modification Factor (CMF)

Value:

$$100 * (1 - e^{0.007(Y-X)})$$

Adjusted Standard Error:

Unadjusted Standard Error:

### Crash Reduction Factor (CRF)

Value:

$$e^{0.007(Y-X)}$$

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

### Applicability

**Crash Type:**

Vehicle/pedestrian

**Crash Severity:**

K (fatal),A (serious injury)

**Roadway Types:**

All

**Number of Lanes:**

**Road Division Type:**

**Speed Limit:**

**Area Type:**

Urban

**Traffic Volume:**

**Time of Day:**

All

*If countermeasure is intersection-based*

**Intersection Type:**

**Intersection Geometry:**

**Traffic Control:**

**Major Road Traffic Volume:**

**Minor Road Traffic Volume:**

### Development Details

**Date Range of Data Used:**

2002 to 2006

**Municipality:**

New York City

<b>State:</b>	NY
<b>Country:</b>	USA
<b>Type of Methodology Used:</b>	7
<b>Sample Size Used:</b>	10965

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Jul-15-2011
<b>Comments:</b>	

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