



## CMF / CRF Details

**CMF ID: 5320**

**Install pedestrian countdown timer**

**Description: Install pedestrian countdown timer**

**Prior Condition: Signalized intersection, no countdown timer**

**Category: Intersection traffic control**

**Study: [The impact of pedestrian countdown signals on pedestrian-motor vehicle collisions: a quasi-experimental study, A. Camden, R. Buliung, L. Rothman, C. Macarthur, and A. Howard, 2012](#)**

**Star Quality Rating:**



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

### Crash Modification Factor (CMF)

**Value:** 1.026

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.032

### Crash Reduction Factor (CRF)

**Value:** -2.6 (This value indicates an **increase** in crashes)

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

3.2

### Applicability

**Crash Type:**

Vehicle/pedestrian

**Crash Severity:**

B (minor 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:**

Not specified

**Intersection Geometry:**

Not specified

**Traffic Control:**

Signalized

**Major Road Traffic Volume:**

**Minor Road Traffic Volume:**

### Development Details

**Date Range of Data Used:**

2000 to 2009

**Municipality:**

Toronto

**State:**

<b>Country:</b>	Canada
<b>Type of Methodology Used:</b>	Simple before/after
<b>Sample Size Used:</b>	
<b>Before Sample Size Used:</b>	6440
<b>After Sample Size Used:</b>	1509

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Jan-09-2014
<b>Comments:</b>	

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