



CMF / CRF Details

CMF ID: 5439

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:

 Stars

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Crash Modification Factor (CMF)

Value: 0.967

Adjusted Standard Error:

Unadjusted Standard Error: 0.067

Crash Reduction Factor (CRF)

Value: 3.3 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error: 6.7

Applicability

Crash Type:	Vehicle/pedestrian
Crash Severity:	All
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:	
Country:	Canada

Type of Methodology Used:	3
Sample Size Used:	Crashes
Before Sample Size Used:	1203 Crashes
After Sample Size Used:	262 Crashes

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jan-09-2014
Comments:	This CMF only applies to crashes involving older people 60+ years old.

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