



CMF / CRF Details

CMF ID: 6398

Install a traffic signal

Description:

Prior Condition: *No Prior Condition(s)*

Category: Intersection traffic control

Study: [Safety effects of an extensive black spot treatment programme in Flanders-Belgium, De Pauw et al., 2014](#)

Star Quality Rating:

3 Stars

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

Crash Modification Factor (CMF)

Value: 0.65

Adjusted Standard Error:

Unadjusted Standard Error: 0.14

Crash Reduction Factor (CRF)

Value: 35 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error: 14

Applicability

Crash Type:	All
Crash Severity:	A (serious injury),B (minor injury),C (possible injury)
Roadway Types:	Not specified
Number of Lanes:	
Road Division Type:	
Speed Limit:	
Area Type:	All
Traffic Volume:	
Time of Day:	All

If countermeasure is intersection-based

Intersection Type:	Roadway/roadway (not interchange related)
Intersection Geometry:	Not specified
Traffic Control:	Uncontrolled
Major Road Traffic Volume:	
Minor Road Traffic Volume:	

Development Details

Date Range of Data Used:	2000 to 2008
Municipality:	
State:	
Country:	Belgium
Type of Methodology Used:	2

Sample Size Used:

Other Details

Included in Highway Safety Manual?

No

Date Added to Clearinghouse:

Mar-11-2015

Comments:

Comparison group 1 (black spots treated after 2008) The number of crashes in the after period were not reported in this study, however, they have been recorded as 300 to give 10 points as a benefit of doubt for one or more of the following: (1) number of miles/sites in the reference/treatment group, (2) number of crashes in the references/treatment group, (3) reporting AADTs for the aggregate dataset but not for the disaggregate dataset used for CMF development.

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