



CMF / CRF Details

CMF ID: 371

Permit right-turn-on-red

Description:

Prior Condition: *No Prior Condition(s)*

Category: Intersection traffic control

Study: [*The Effect of Right-Turn-on-Red on Pedestrian and Bicyclist Accidents, Preusser et al., 1982*](#)

Star Quality Rating:



Crash Modification Factor (CMF)

Value: 1.57

Adjusted Standard Error: 0.31

Unadjusted Standard Error: 0.14

Crash Reduction Factor (CRF)

Value: -57 (*This value indicates an **increase** in crashes*)

Adjusted Standard Error: 31

Unadjusted Standard Error:

14

Applicability

Crash Type:

Vehicle/pedestrian

Crash Severity:

All

Roadway Types:

Not specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type:

Not specified

Traffic Volume:

Time of Day:

If countermeasure is intersection-based

Intersection Type:

Roadway/roadway (not interchange related)

Intersection Geometry:

Not specified

Traffic Control:

Signalized

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

Municipality:

State:

| | |
|----------------------------------|---------------------|
| Country: | |
| Type of Methodology Used: | Simple before/after |
| Sample Size Used: | |

| Other Details | |
|---|--|
| Included in Highway Safety Manual? | Yes. HSM lists this CMF in italics font to indicate that it has a lower reliability than bold font CMFs since it has an adjusted standard error of 0.2 to 0.3. |
| Date Added to Clearinghouse: | Dec-01-2009 |
| Comments: | Countermeasure name has been slightly modified for consistency across Clearinghouse |

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