



CMF / CRF Details

CMF ID: 2204

Implement Safe Routes to School Program

Description: May include sidewalk upgrades, intersection crossing upgrades, and other pedestrian/bicyclist safety improvements.

Prior Condition: *No Prior Condition(s)*

Category: Pedestrians

Study: [*Pedestrian and Bicyclist Safety Effects of the California Safe Routes to School Program, Guitierrez et al., 2008*](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 0.839

Adjusted Standard Error:

Unadjusted Standard Error: 0.0541

Crash Reduction Factor (CRF)

Value: 16.1 (*This value indicates a **decrease** in crashes*)

Adjusted Standard Error:

| | |
|-----------------------------------|------|
| Unadjusted Standard Error: | 5.41 |
|-----------------------------------|------|

Applicability

| | |
|----------------------------|--------------------------------------|
| Crash Type: | Vehicle/bicycle,Vehicle/pedestrian |
| Crash Severity: | B (minor injury),C (possible injury) |
| Roadway Types: | Not Specified |
| Number of Lanes: | |
| Road Division Type: | |
| Speed Limit: | |
| Area Type: | |
| Traffic Volume: | |
| Time of Day: | |

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: | 1998 to 2005 |
| Municipality: | |
| State: | CA |

| | |
|----------------------------------|------|
| Country: | |
| Type of Methodology Used: | 3 |
| Sample Size Used: | |
| Before Sample Size Used: | 1000 |
| After Sample Size Used: | 1000 |

| Other Details | |
|---|-------------|
| Included in Highway Safety Manual? | No |
| Date Added to Clearinghouse: | Dec-01-2009 |
| Comments: | |

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