



WHAT WORKS

Motor Vehicle-Related Injury Prevention

Evidence-Based Interventions for Your Community

TASK FORCE FINDINGS ON MOTOR VEHICLE-RELATED INJURY PREVENTION

The Community Preventive Services Task Force (Task Force) has released the following findings on what works in public health to reduce motor vehicle-related injuries and deaths. These findings are compiled in The Guide to Community Preventive Services (The Community Guide) and listed in the table below. Use the findings to identify strategies and interventions you could use for your community.

Legend for Task Force Findings: Recommended Insufficient Evidence Recommended Against (See reverse for detailed descriptions.)




| Intervention | Task Force Finding |
|---|--------------------|
| Use of child safety seats | |
| Laws mandating use | |
| Community-wide information and enhanced enforcement campaigns | |
| Distribution and education programs | |
| Incentive and education programs | |
| Education programs when used alone | |
| Use of motorcycle helmets | |
| Universal helmet laws | |
| Use of safety belts | |
| Laws mandating use | |
| Primary (vs. secondary) enforcement laws | |
| Enhanced enforcement programs | |
| Reducing alcohol-impaired driving | |
| 0.08% blood alcohol concentration (BAC) laws | |
| Lower BAC laws for young or inexperienced drivers | |
| Maintaining current minimum legal drinking age (MLDA) laws | |

| Intervention | Task Force Finding |
|---|--------------------|
| Sobriety checkpoints | |
| Mass media campaigns | |
| Multicomponent interventions with community mobilization | |
| Ignition interlocks | |
| School-based instructional programs* | |
| School-based peer organizing interventions | |
| School-based social norming campaigns | |
| Designated driver incentive programs | |
| Designated driver population-based campaigns | |
| * School-based instructional programs are recommended to reduce riding with alcohol-impaired drivers; however, the Task Force found insufficient evidence to determine whether these programs reduce alcohol-impaired driving or alcohol-related crashes. | |

Visit the "Motor Vehicle-Related Injury Prevention" page of The Community Guide website at www.thecommunityguide.org/mvoi to find summaries of Task Force findings and recommendations on preventing motor vehicle-related injuries. Click on each topic area to find results from the systematic reviews, included studies, evidence gaps, and journal publications.

UNDERSTANDING THE FINDINGS

The Task Force bases its findings and recommendations on systematic reviews of the scientific literature. With oversight from the Task Force, scientists and subject matter experts from the Centers for Disease Control and Prevention conduct these reviews in collaboration with a wide range of government, academic, policy, and practice-based partners. Based on the strength of the evidence, the Task Force assigns each intervention to one of the categories below.

| CATEGORY | DESCRIPTION | ICON |
|------------------------------|---|---|
| Recommended | There is strong or sufficient evidence that the intervention is effective . This finding is based on the number of studies, how well the studies were designed and carried out, and the consistency and strength of the results. |  |
| Insufficient Evidence | There is not enough evidence to determine whether the intervention is effective. This does not mean the intervention does not work. There is not enough research available or the results are too inconsistent to make a firm conclusion about the intervention's effectiveness. The Task Force encourages those who use interventions with insufficient evidence to evaluate their efforts. |  |
| Recommended Against | There is strong or sufficient evidence that the strategy is harmful or not effective . |  |

Visit the "Systematic Review Methods" page on The Community Guide website at www.thecommunityguide.org/about/methods.html for more information about the methods used to conduct the systematic reviews and the criteria the Task Force uses to make findings and recommendations.

RESOURCES

You can use the following resources to guide the implementation of evidence-based strategies and put the Task Force findings to work.

- **The Community Guide in Action: Stories from the Field**
Lowering Legal Blood Alcohol Limits Saves Lives
www.thecommunityguide.org/CG-in-Action/BAC.pdf
- **Partnership for Prevention**
www.prevent.org/Additional-Pages/Transportation-and-health.aspx
- **Healthy People 2020 Interventions and Resources on Injury and Violence Prevention**
U.S. Department of Health and Human Services
www.healthypeople.gov/2020/topicsobjectives2020/overview.aspx?topicid=24