



You're more likely to die in a vehicle crash than any other way.

It's true. Vehicle crashes kill more people between the ages of one and thirty-four than anything else. However, during 1998, safety belts saved an estimated 11,088 lives in Georgia. And 75% of motor vehicle crashes occur within 25 miles of home.

Why risk it? Your best protection against death and injury in your vehicle is your safety belt. It's easy. Just reach over—click and you're set.

Think about it.

Occupant Safety Education Program
Cooperative Extension Service
College of Family and Consumer Sciences
The University of Georgia



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*Adapted with permission from
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AN EQUAL OPPORTUNITY EMPLOYER
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Yvonne L. McBride, Director

Using your Safety Belt correctly can help keep you and your loved ones from becoming part of

THE DEADLY EQUATION



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In cooperation with
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THE DEADLY EQUATION: **weight x speed = crash force**

Did you know that in a crash or sudden stop, your body weight is multiplied by the speed of the vehicle?

A person **weighing 105 pounds** (not using a safety belt) in an impact at **40 M.P.H.** will strike the interior of the vehicle's surfaces or objects outside the vehicle with the force of **4200 pounds**.



105 POUNDS



times

40 M.P.H.

equals



4200 POUNDS CRASH FORCE

Do you know what happens in the first fatal second after a car going 55 miles per hour hits a solid object?

0.1 During the initial impact, the front bumper and grille collapse.

0.2 The hood crumbles, rising and striking the windshield as the spinning rear wheels lift from the ground. Simultaneously, fenders begin wrapping themselves around the solid object and, although the car's frame has been halted, the **REST OF THE DRIVER'S CAR IS STILL GOING 55 MILES PER HOUR**. Instinct causes the driver to stiffen his legs against the crash and they snap at the knee joint.

0.3 The steering wheel starts to disintegrate and the driver's chest aims for the steering column.

0.4 Two feet of the car's front end is wrecked while the rear end continues moving at 35 miles per hour. The driver's body is still traveling at 55 miles per hour.

0.5 The driver is impaled on the steering column and blood rushes to his lungs.

0.6 The impact builds up to the extent that feet are ripped out of tightly laced shoes. The brake pedal breaks off. The car frame buckles in the middle and the driver's head bangs into the windshield as the rear wheels, still spinning, fall back to the earth.

0.7 Door hinges rip loose and the doors open. The front of the vehicle has stopped moving. The last three tenths of the second mean nothing to the driver **BECAUSE HE IS ALREADY DEAD**.

**SEAT BELTS
SAVE LIVES...**



BUCKLE UP!