



# WINTER DRIVING SAFETY



THINK BEFORE YOU DO.....

AND PLAN FOR THE UNEXPECTED.....



**SNOW**

# Be Prepared for Winter Driving



**Don't Risk It!**

***WEATHER***



**You must understand how cold weather effects your vehicle before, during, and after operation.**





# Privately Owned Vehicle Risk Management Tools

- TRiPS Privately Owned Vehicle Risk Assessment
  - <https://trips.safety.army.mil/login.aspx?ReturnUrl=%2f>
- American Automobile Association New England
  - <http://www.southernnewengland.aaa.com/?zip=01453&devicecd=PC&referrer=www.google.com>
- US Army Combat Readiness Center
  - <https://safety.army.mil/>
- US Army Garrison Fort Devens
  - [https://www.devens.army.mil/Devens\\_Staff/Safety/index.htm](https://www.devens.army.mil/Devens_Staff/Safety/index.htm)



# WINTER DRIVING SAFETY

- SLOW DOWN – TRIPLE THE DISTANCE TO THE CAR AHEAD
- STAY IN PLOWED LANES
- TO SWITCH LANES – SLOW DOWN, SIGNAL, AND MOVE OVER SLOWLY
- STEER IN THE DIRECTION OF THE SKID
- DO NOT PUMP BRAKES – GENTLE PRESSURE ONLY
- ENSURE GOOD VISIBILITY
- CLEAR ICE AND SNOW OFF OF CAR WINDOWS
- REMOVE SNOW FROM ALL CAR SURFACES
- CLEAN YOUR HEADLIGHTS FREQUENTLY
- ENSURE YOUR WINDSHIELD WASHER RESERVOIR IS FILLED WITH A NON FREEZING CLEANING SOLUTION
- BE WELL RESTED BEFORE TRAVELING 7 TO 8 HOURS SLEEP
- WINTER ROAD AND WEATHER CONDITIONS INCREASE STRESS AND PRODUCE FATIGUE
- SIGNS OF FATIGUE: BACK TENSION, BURNING EYES, SHALLOW BREATHING, INATTENTIVENESS, AND ERRATIC DRIVING
- ALCOHOL CONSUMPTION INCREASES FATIGUE
- **DON'T PUSH YOURSELF – IF YOU HAVE TO FORCE YOURSELF TO STAY AWAKE IT IS TIME TO FIND A PLACE TO REST**



# WINTER DRIVING SAFETY



**Speed** - The No. 1 cause of winter driving accidents is driving too fast.



**Patience** - and courtesy save lives.



**Awareness** - of other vehicles and your environment is essential.



**Concentration** - The increased hazards of winter driving make this important.



**Exit** - Always leave yourself an out.



# Be Prepared for Winter Driving



Don't Risk It!

***PREPARE***



Driving  
Conditions

# Before beginning your journey during winter weather conditions:

## ASK YOURSELF?

- Is your journey essential.
- What is the weather forecasts.
- New traffic information for travel.
- Expected arrival time.
- Do I have enough warm clothes, boots, and a flashlight – it could be a long walk to a phone.
- Windows and mirrors.





# PEEP HOLE DRIVERS



GET THE BIG PICTURE,  
CLEAR ALL CAR SURFACES BEFORE  
DRIVING.

**LEAVE EARLIER!**  
**DON'T BE A PEEP HOLE**  
**DRIVER!**



# Motor Vehicle Accidents Are The Number One Accidental Death Of Soldiers!!

## Fatal Factors That Affect Traffic Deaths:

- **Speed**
- **Alcohol**
- **Fatigue**
- **Complacency**
- **Seat Belts Not being Used**

Online Vehicle Accident Avoidance training can be found at:

<https://www.lms.army.mil>

# 2 most dangerous U.S. cities for winter weather driving



## Blizzard of 2015 Notable Records





# WINTER DEATHS

**Everyone is potentially at risk during winter storms. The actual threat to you depends on your specific situation. Recent observations indicate the following:**

**Related to ice and snow:**

- ❖ **70% occur in automobiles.**
- ❖ **75% are males**
- ❖ **25% are people caught out in the storm.**
- ❖ **20% winter exposure at home**
- ❖ **50% are people over 60 years old.**

**Fatal crashes were 14% more likely on the first day**

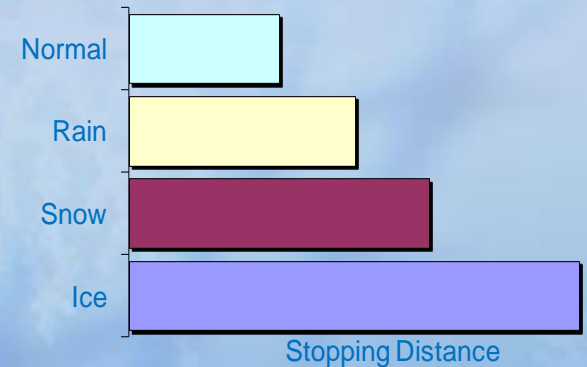
# SAFE DRIVING SKILLS

## ➤ Following Distance

- Normal (Dry Road) Driving - 3 seconds
- Winter Driving - 6 or more seconds

## ➤ Stopping Distance

- Rain - 50% more than dry
- Snow - 2x normal stopping distance
- Ice - 3x normal stopping distance



## ➤ Braking

- Gently tap and release brake pedal in a pumping motion
- Vehicles with ABS/disk brakes should apply steady, gentle pressure to the pedal - *do not pump brakes.*

# WIND CHILL TEMPERATURES

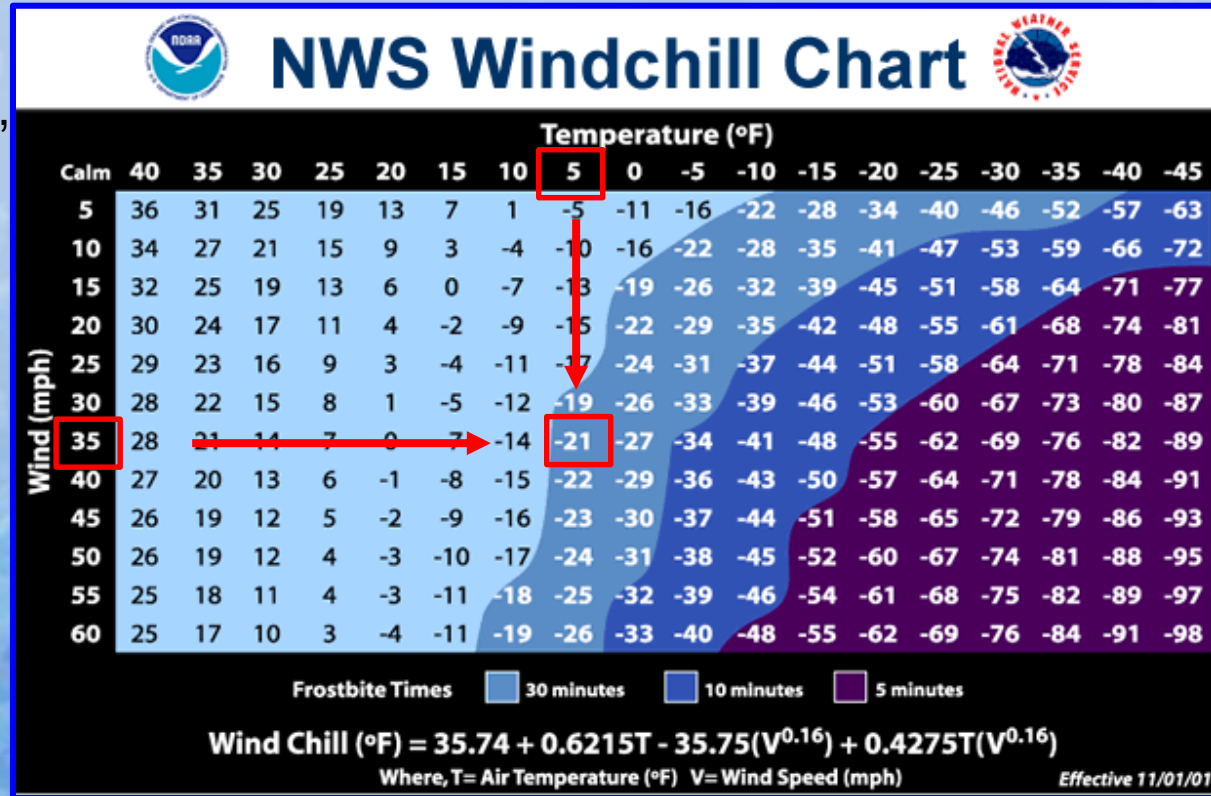
## Examples of wind chill:

With the temperature of 5°F and winds blowing at 35 mph, the wind chill index would be -21°F, which could cause frostbite within 30 minutes.

**Increased Danger**

With a temperature of -20°F and winds blowing at 35 mph, the wind chill index would be -55°F and could cause frostbite in less than 5 minutes.

**Great Danger**



# WINTERIZE YOUR VEHICLE

 **BATTERY**

 **ANTIFREEZE**

 **WIPERS & FLUID**

 **IGNITION SYSTEM**

 **THERMOSTAT**

 **LIGHTS**

 **ALL SEASON OR SNOW TIRES**

 **HAZARD LIGHTS**

 **EXHAUST SYSTEM**

 **HEATER**

 **BRAKES**

 **DEFOSTER**

 **OIL LEVEL**

# VEHICLE EMERGENCY KIT

- A flashlight and extra batteries
- Extra batteries
- Blankets
- A tow rope
- Jumper cables
- Road flares or reflectors
- Nonperishable food
- Extra water
- Bag of salt, sand or cat litter
- Basic tools, like a screwdriver, a wrench and some pliers.
- Road maps.
- A pocket knife.
- Extra medications.
- A first-aid kit.
- Cell phone charger.





# TIRES

## Be TireWise!



Be *TireWise*, because the only thing between you and the road are your tires.

Yearly estimates back up that statement. On average:

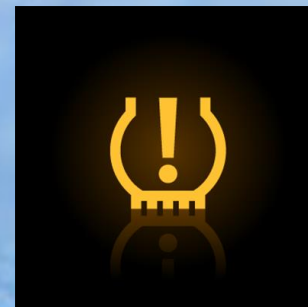
- Drivers in the United States put more than 2,969 billion miles on their tires,
- There are nearly 11,000 tire-related crashes, and
- Almost 200 people will die in those crashes.

Many of these crashes can be prevented through proper tire maintenance—including tire inflation and rotation—and understanding tire labels, tire aging, and recalls and complaints.

Because safety is our top priority, the National Highway Traffic Safety Administration and the Department of Transportation want to make sure you have the tools to avoid being in one of those 11,000 crashes. *TireWise* is your resource to help you make smart decisions to keep you and your family safe, whether you're in the market to buy new tires or want to extend the life and safety of the ones on your car or truck.

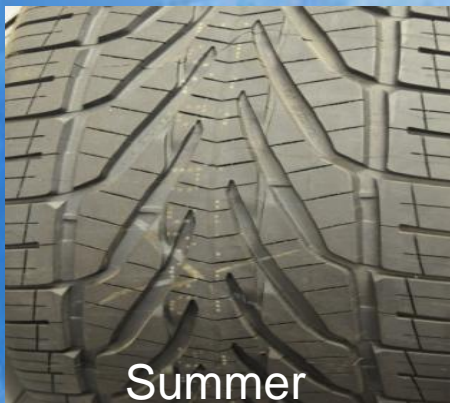
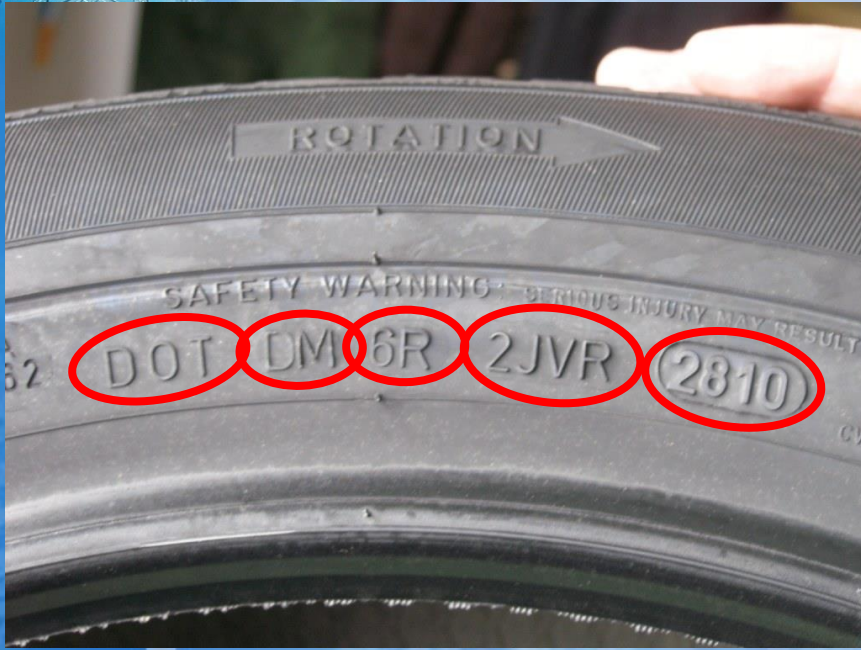
*TireWise* is also a resource for tire manufacturers, sellers and other partners to provide essential information to consumers for choosing and caring for their tires.

TIRE AND LOADING INFORMATION			
SEATING CAPACITY		TOTAL 5, FRONT 2, REAR 3	
The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs.			
ORIGINAL TIRE SIZE	COLD TIRE INFLATION PRESSURE		SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION
P195/70R14	FRONT	200kPa, 29PSI	
	REAR	200kPa, 29PSI	
COMPACT SPARE TIRE	COLD TIRE INFLATION PRESSURE		
T125/70D15		420kPa, 60PSI	



<http://www-odi.nhtsa.dot.gov/subscriptions/index.cfm>

# TIRES





Be Prepared for Winter Driving

Don't Risk It!

***DURING OPERATION***

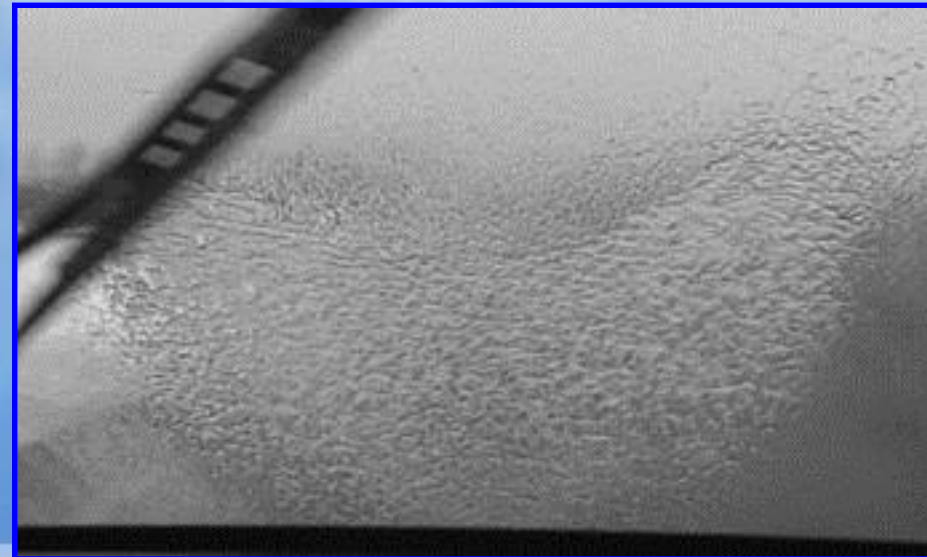
# INTERSTATE HAZARDS

**Typical exits do not allow much time for deceleration.  
Watch your speed and maintain situational  
awareness.**



# ***MAINTAIN A COMFORTABLE DRIVING ENVIRONMENT***


- **A constant flow of cool air will help to keep you alert, and keep the windows clear of frost.**
- **Keeping one window slightly open will allow you to hear sirens and other warning sounds more quickly.**
- **Avoid large bulky boots, gloves, and coats, and never drive in ski boots.**



# ANTICIPATE DIFFICULT SITUATIONS

Studies show that **80%** of all accidents could be prevented with only **one** more second to react. In many situations, this **one** second can be gained by looking far enough down the road to identify problems before you become a part of them.





**Sleeping in an enclosed  
vehicle with the engine  
running can lead to a nice  
quiet death-**

**DO NOT SLEEP IN A  
VEHICLE WITH ENGINE  
RUNNING !!!**

# ***WEAR YOUR SEATBELT!***



A Law You Can *LIVE* With



# Winter Driving



**Slow Down**  
Anything Can Happen!

Safety  Source  
safetysource.ca

