











Who we are

Travis Perkins is the largest distributor of building materials in the UK.

A trade-focused Group, serving generalist and specialist trades with products and services that are designed to help customers grow their businesses in new and established markets.



Origins

Looked but failed to see

Thoughts were elsewhere due to the cost of living crisis ""

How long
does not driving
increase the risk
of an accident?

I have a very sick close family member

"It felt as if I was driving on autopilot"

" I'm only human! "

What are the risks when we step backward in vehicle technology?

Approach



Collaborate







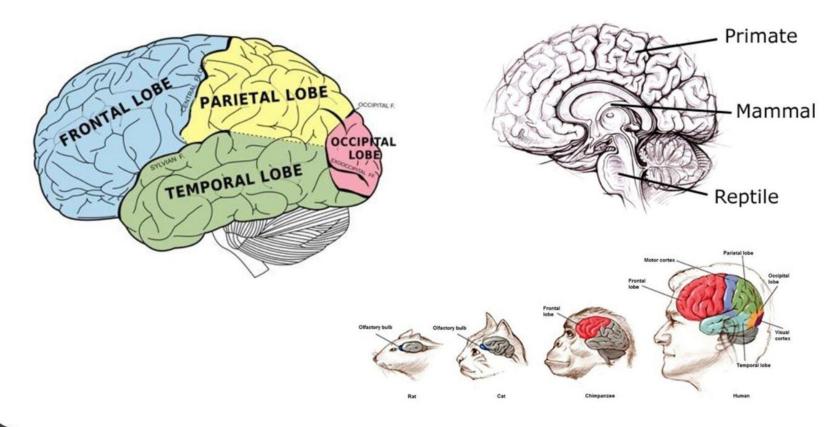


To work together with another person or organisation for a particular purpose.



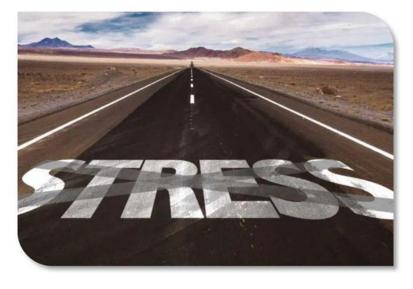


Basic Neuroanatomy



Stress at work

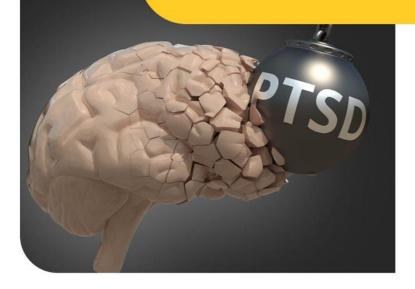
- Impaired cognitive functioning, decision-making and reducing self-control
- Workload
 - Externally-paced
 - Delivery targets
 - Traffic and road demands
- Driver stress linked with stress in other domains
- Safety culture



Stress and PTSD

- Physiological hyperactivation (cortisol) and cardiovascular parameters (HRV) associated with cancer, coronary heart disease/stroke and poor mental health
- With too many unaddressed high beta brainwaves, the body cannot come back to a relaxed state
- Leads to sickness, burnout and other physical or emotional side effects (e.g, PTSD)

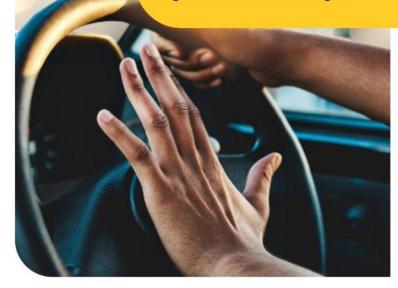
Recent social stress
5 times more likely to
cause a fatal crash as
drivers without stress



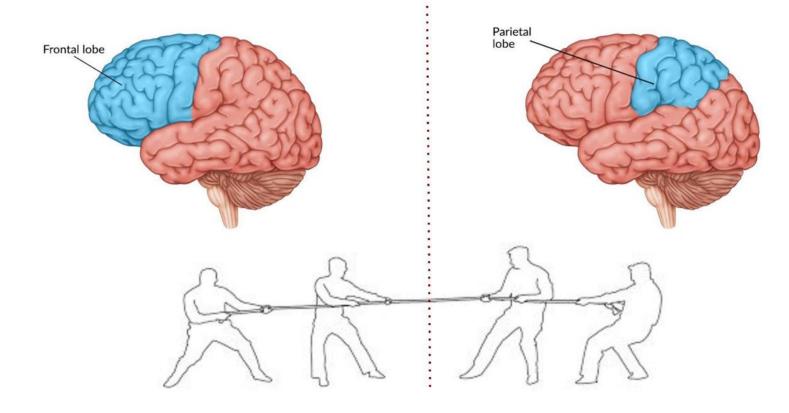
Amygdala hijack

- Amygdala directs attention towards emotion and away from cognitive tasks required for safe driving
- Processing emotion requires the brain's resources
- This is why stress causes distraction

An amygdala hijack occurs when any strong emotion — anger, fear, anxiety, or even extreme excitement — impairs the part of the brain in the frontal lobe that regulates rational thought.



Distraction - a tug of war

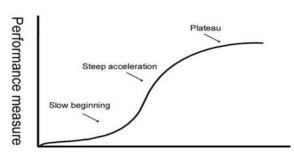


Skills fade





Poor skills 3 months break after licensure - brief intermittent practice required



Number of trials or attempts at learning



Greater rate of decay for cognitive skills

Effects of Cognitive Skills Fade on driving

- Driving errors and/or an increased response time
- Loss of expectancies, situational awareness
- Interference from newly acquired skill
- Third trained in driving knowledge forget after 3–5-month break
- Dealing with emergency situations may be compromised
- Cognitive skills need refresher after 6 mths with no practise







Stress

- Profile to identify vulnerable drivers (e.g, SRRS)
- Group training in mindful driving and better coping strategies

Distraction

- Training in context (e.g., specialist vehicles)
- Cognitive skills training

Skill

- Newly qualified (professional) driver must practise after licensure
- Assess cognitive skills after 6 mth driving break



Currently Implementing

Pre-employment Driver Profiling



Review of recruitment process to include risks related back to research findings

Evolving Driver Behaviour Program



Elevating the driver incentive criteria, rewarding the professional driver

Improved Collision Analysis



Strengthening our data by standard and consistent RTI categorisation