



Railway Level Crossing Incidents

Stats & Facts

TrackSAFE
Foundation

KiwiRail



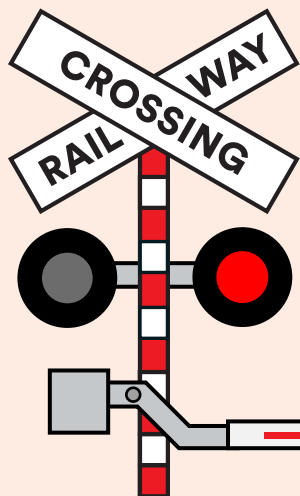
Railway Level Crossings in New Zealand



What types of road railway level crossings (RLXs) are there?

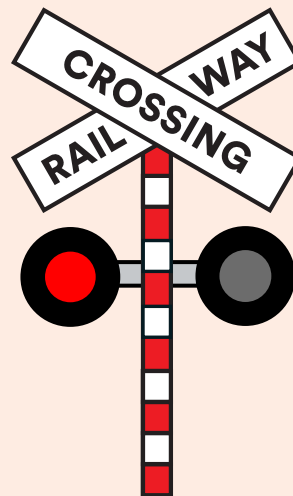
There are **1,293** public road RLXs in New Zealand

750 public road crossings have **active protection**



250 (19%)
have barriers +
flashing lights
and bells

500 (38%)
have flashing
lights and bells



550 public road crossings
have **passive protection**

550 (43%)
have Stop or Give
Way signs

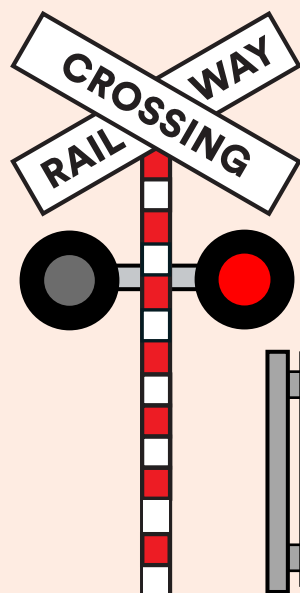




What types of pedestrian railway level crossings (RLXs) are there?

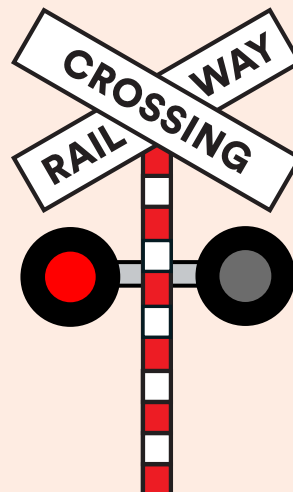
There are **132** public pedestrian RLXs in New Zealand

64 pedestrian crossings have **active protection**



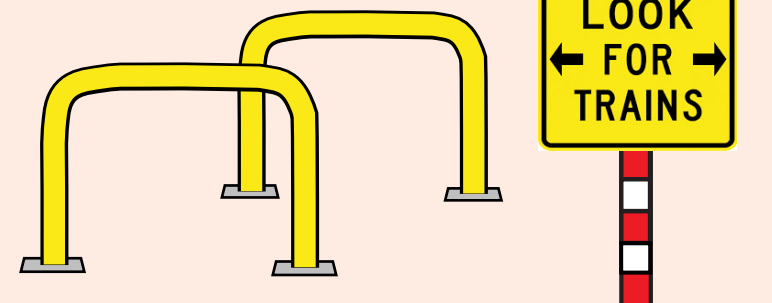
29 (22%) have automatic gates/barriers + flashing lights and bells

35 (26%) have flashing lights and bells



68 pedestrian crossings have **passive protection**

68 (52%) have signs or mazes





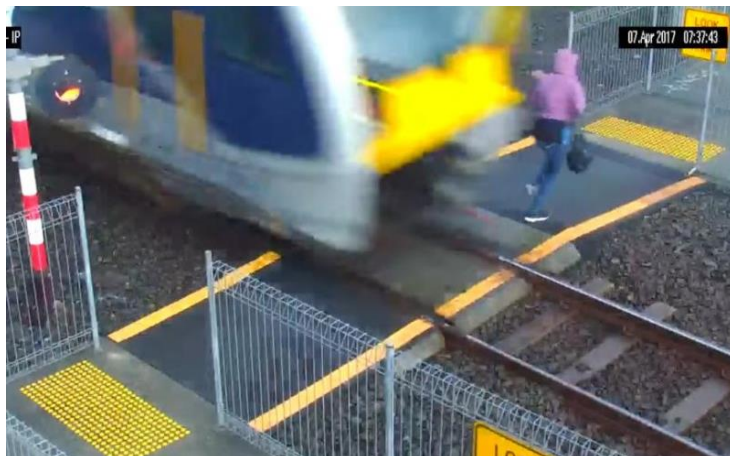
Incidents at RLXs



Total RLX Incidents 2014 – 2024

59

Collisions with persons
(709 near misses)



177

Collisions with cars
(1,421 near misses)



34

Collisions with trucks
(427 near misses)

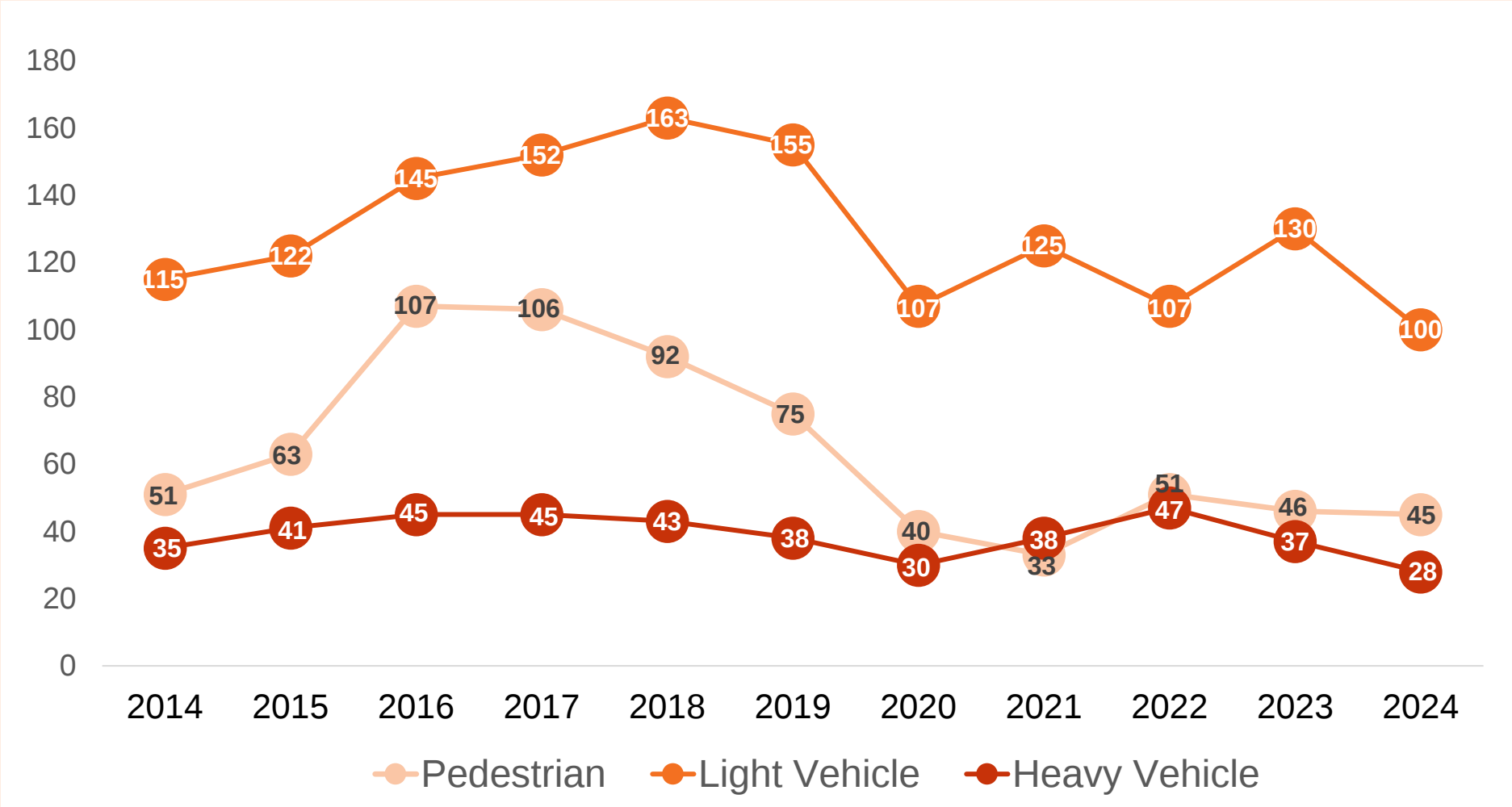




Near Misses

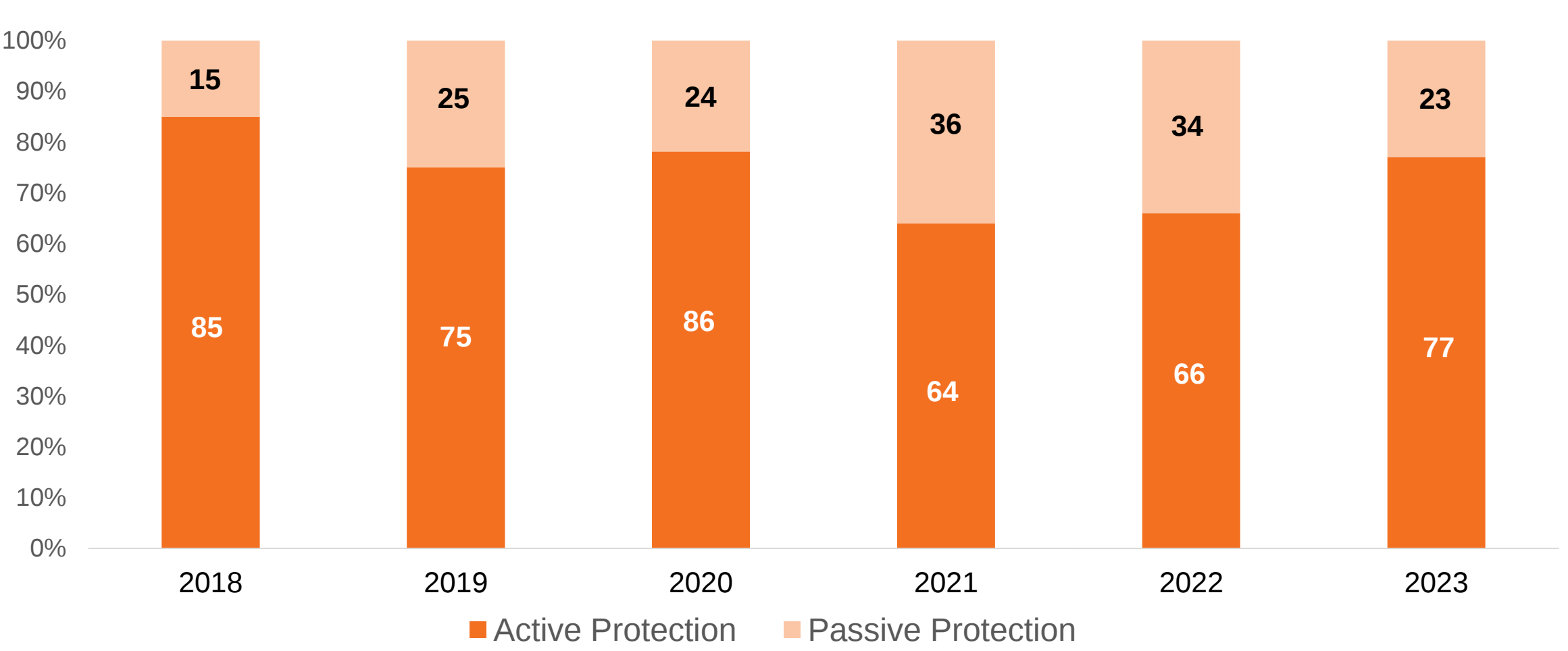


Near Misses at RLXs 2014 – 2024





Near Misses at RLXs FY 2018 – FY 2023



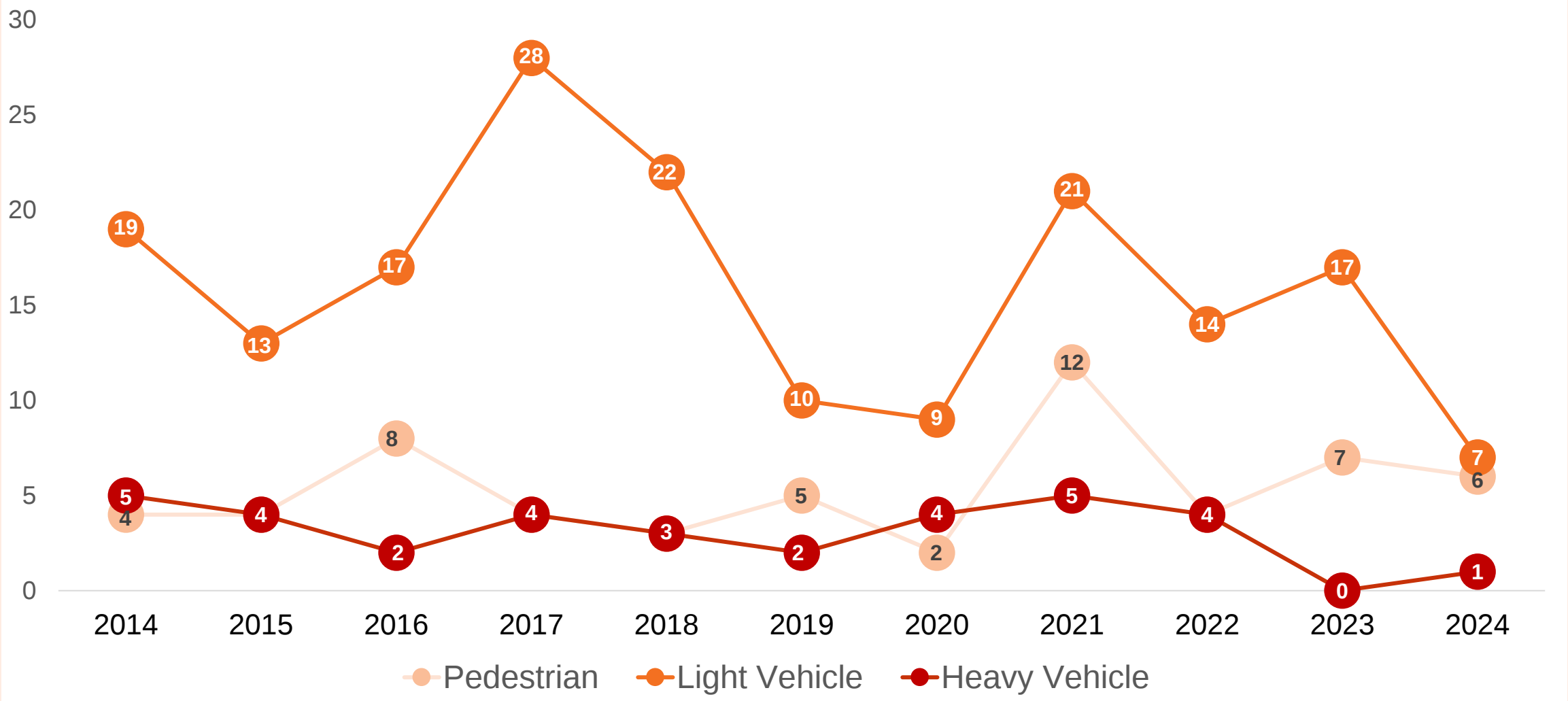
Percentages of near misses occurring at active protection RLXs compared to passive protection



Collisions

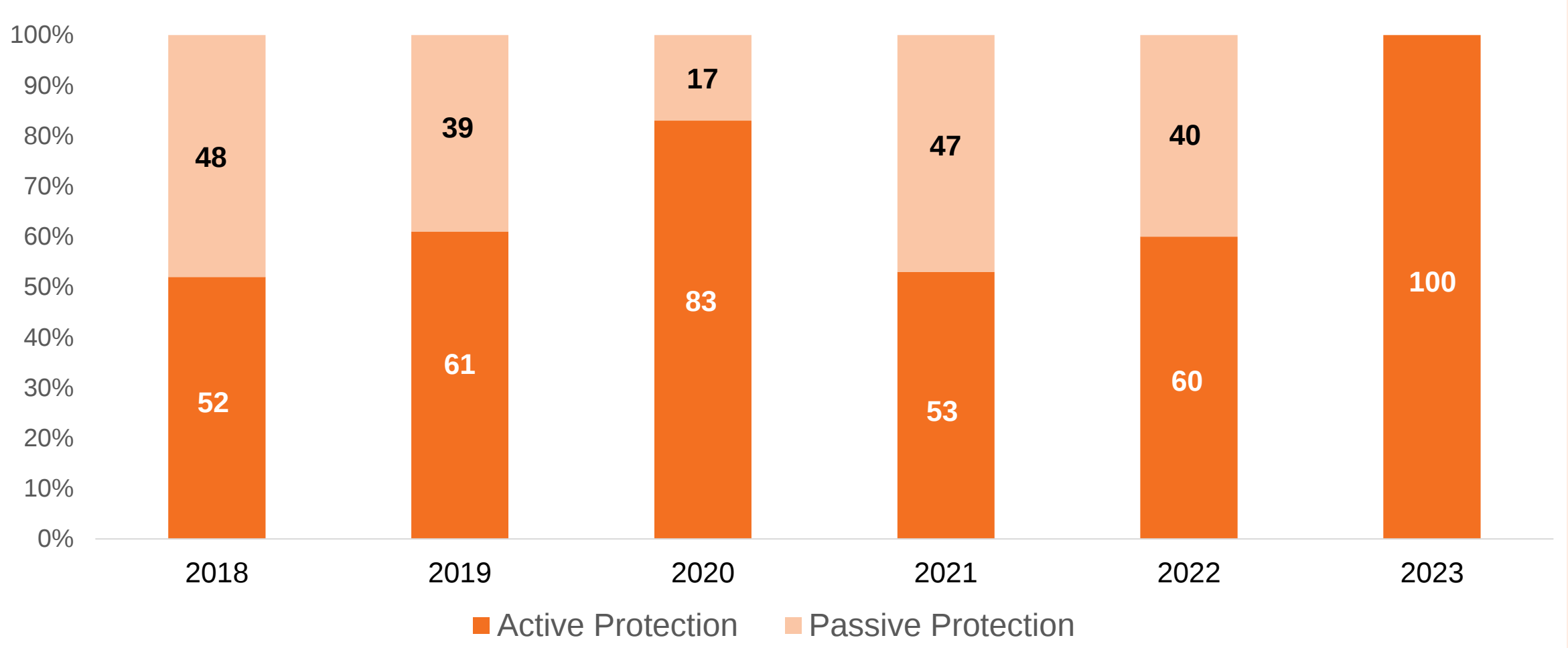


Collisions at RLXs 2014 – 2024





Collisions at RLXs FY 2018 – FY 2023



Percentages of collisions occurring at active protection RLXs compared to passive protection

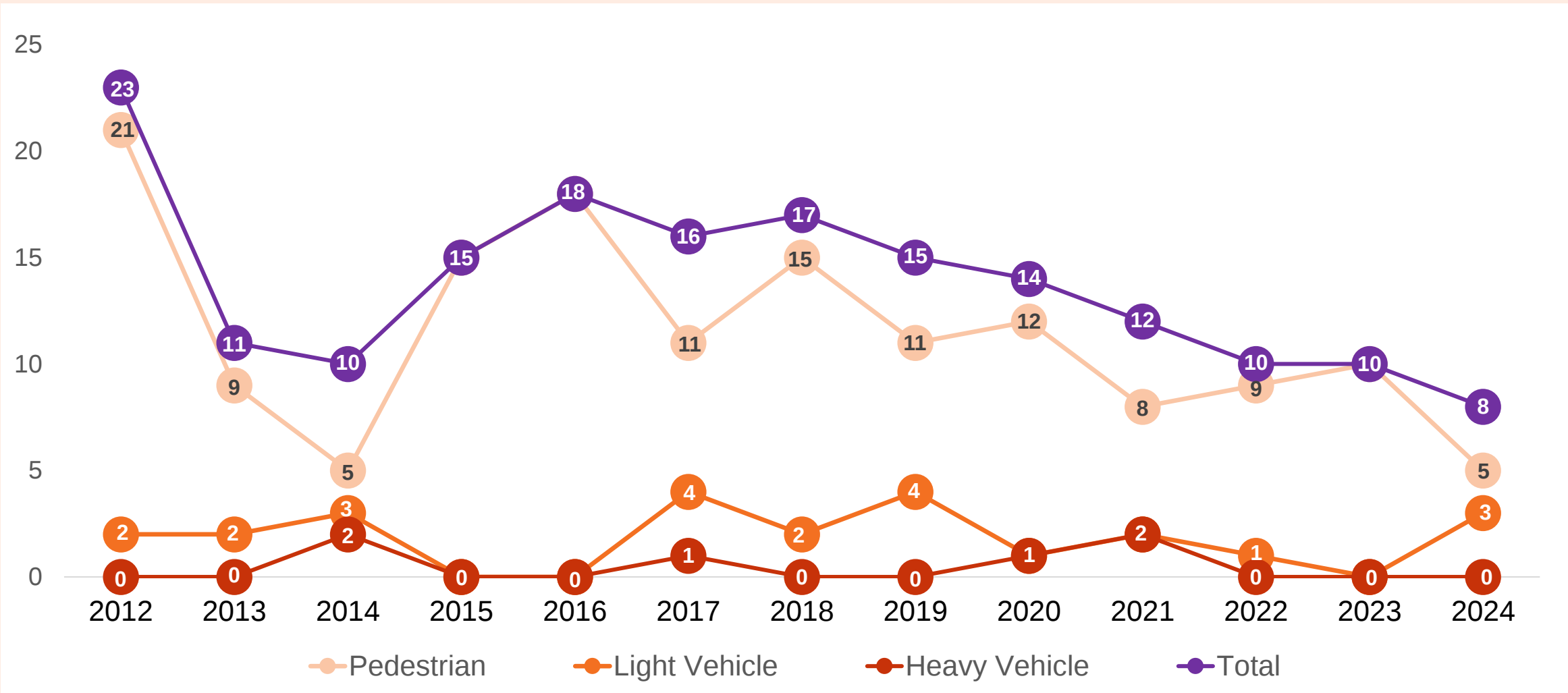


Fatalities

POLICE EMERGENCY POLICE



Fatalities on the Rail Network 2012 – 2024





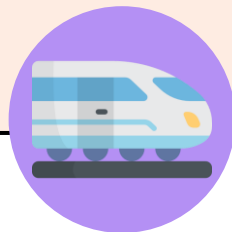
Demographics



Increasing Risks



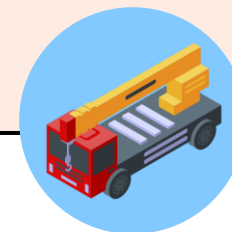
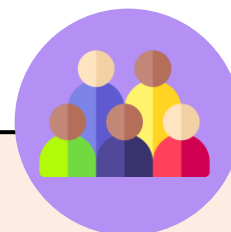
**Technology
and distraction**



**More passenger
and freight trains**



**Growing
populations and
vulnerable users**

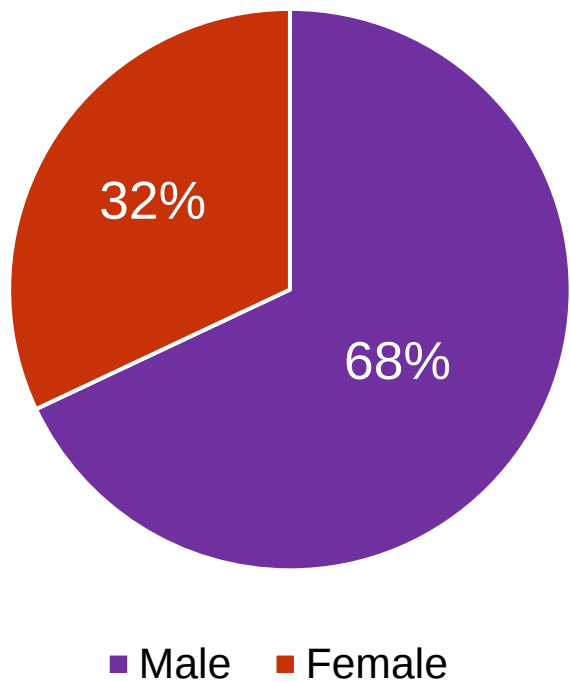


**Longer &
heavier trucks**

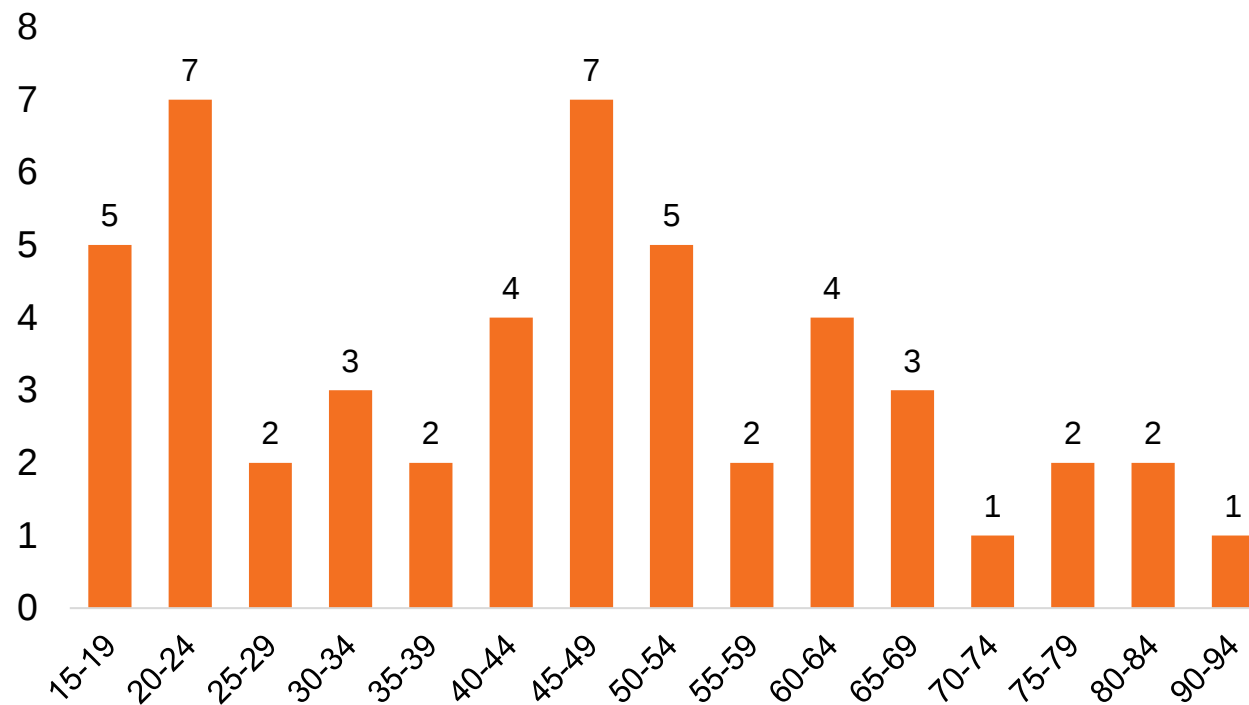




Driver Demographics in Fatal and Serious RLX Crashes FY 2010 – FY 2020



Drivers of crashed cars by gender



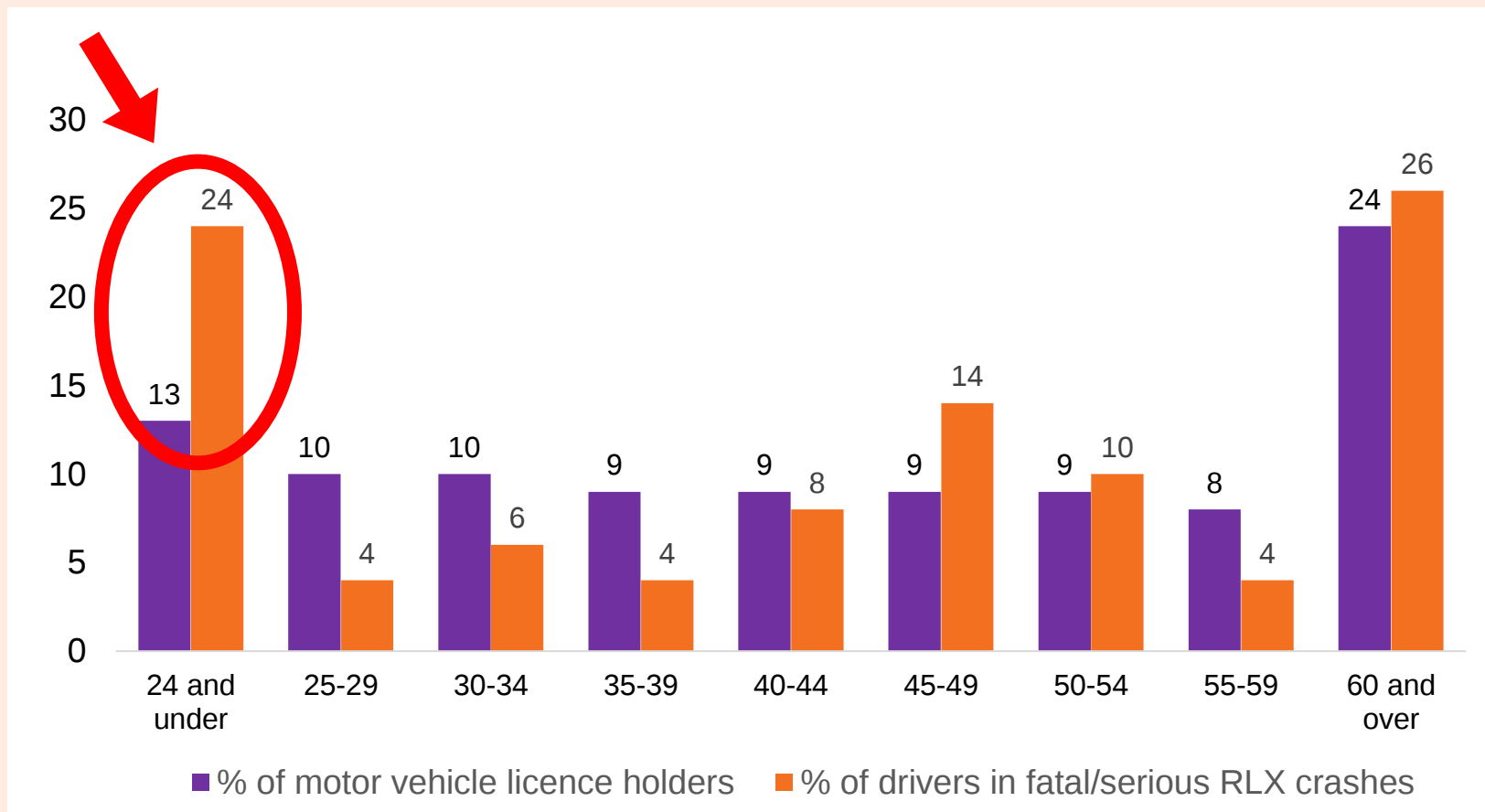
Drivers of crashed cars by age group



Driver Demographics in Fatal and Serious RLX Crashes FY 2010 – FY 2020

Interpretation:

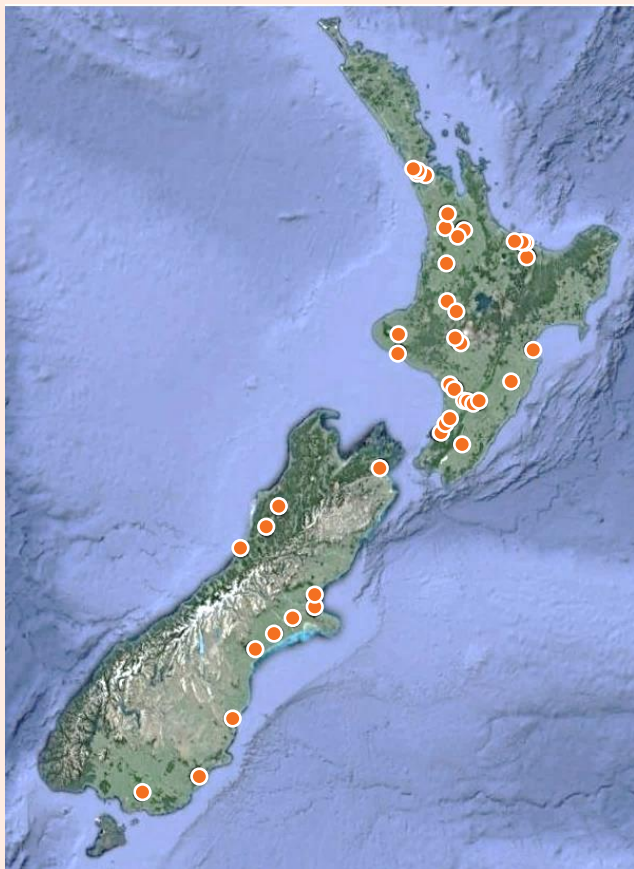
Drivers aged 24 and under are overrepresented in fatal/serious RLX crashes, compared to what we would expect when we consider the percentage of the motor vehicle licence holder population that they make up.



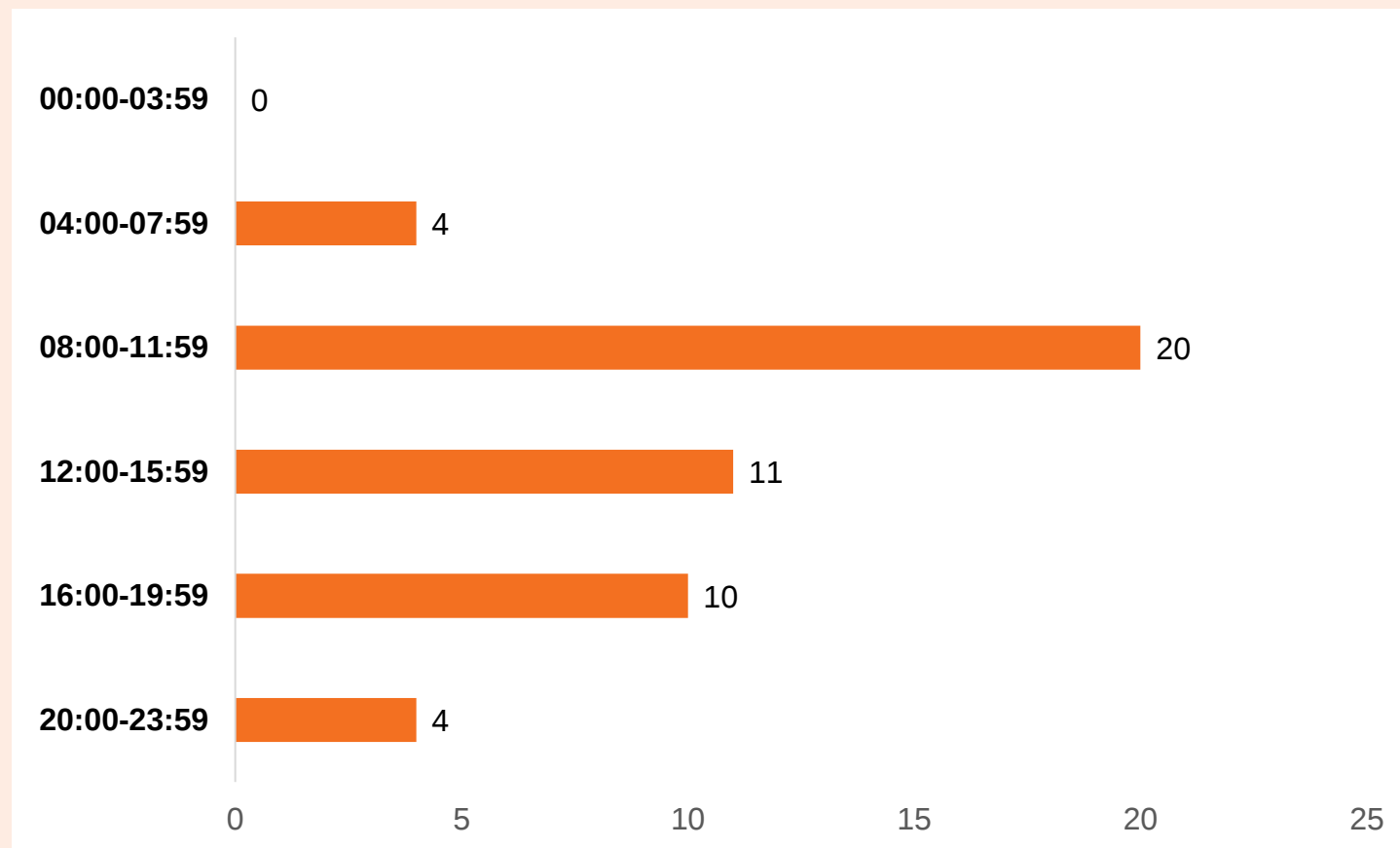
Percentages of NZ motor vehicle licence holders compared to drivers of crashed cars, by age group



Location and Time of Fatal and Serious RLX Crashes FY 2010 – FY 2020



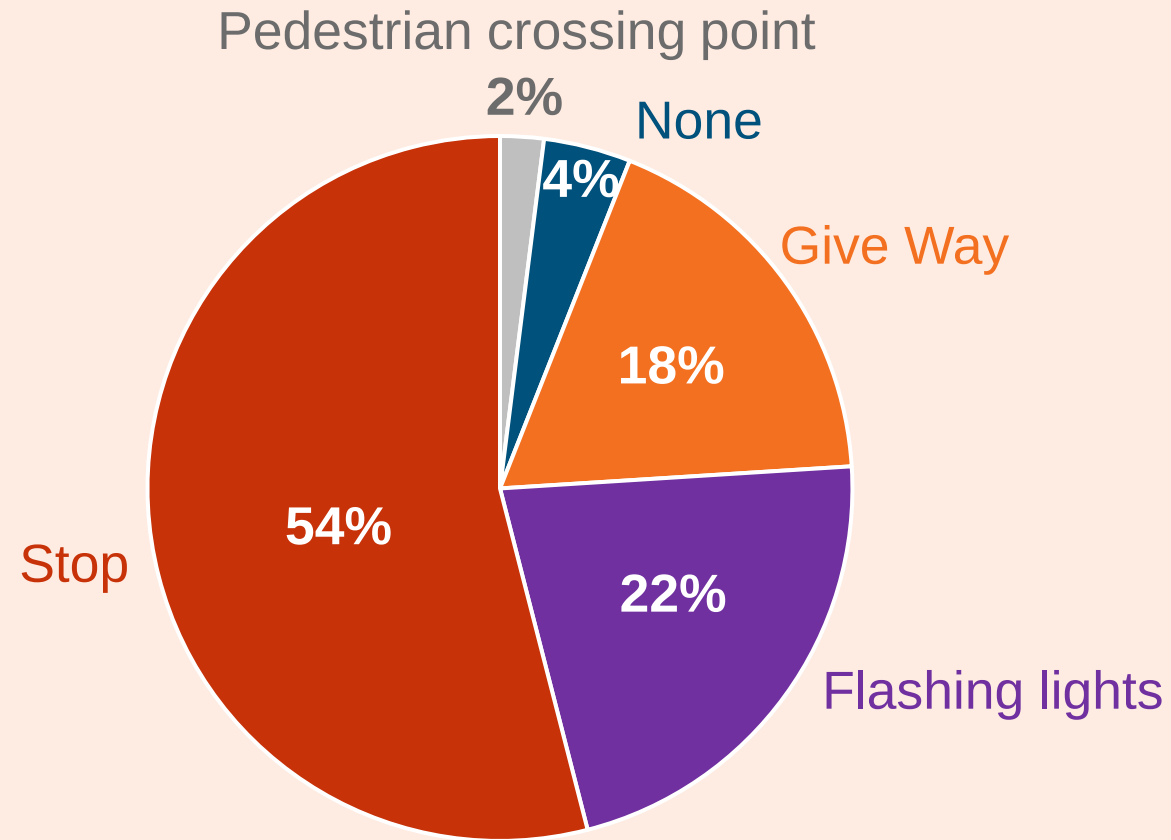
Location map of fatal and serious level crossing crashes



Time of fatal and serious level crossing crashes



Signage at Sites of Fatal and Serious RLX Crashes FY 2010 – FY 2020





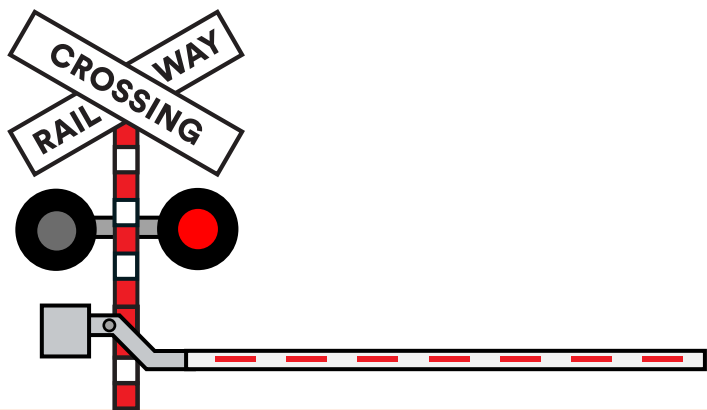
Our Key Messages



Our key messages

- Trains are fast and quiet
- Trains can come at any time from either direction
- Trains always have right of way
- Trains cannot stop in a hurry

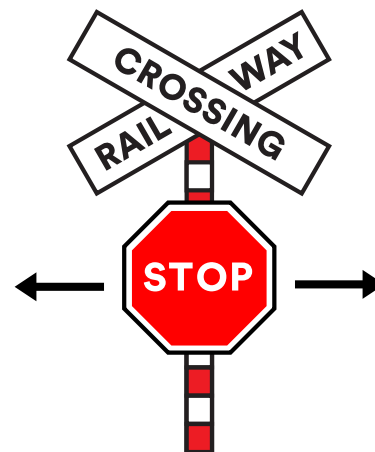
YOU MUST:



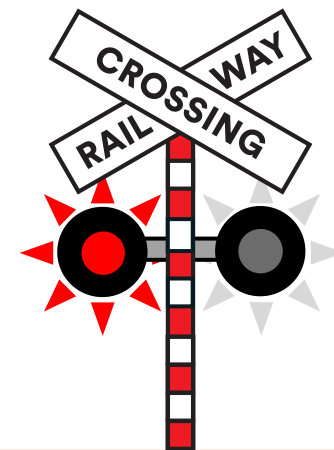
Only cross tracks at
level crossings



Always look
for trains



At a STOP sign,
stop and look both
ways for trains



Cross only
when alarms
have stopped



Thanks for reading!

TrackSAFE
Foundation

KiwiRail