

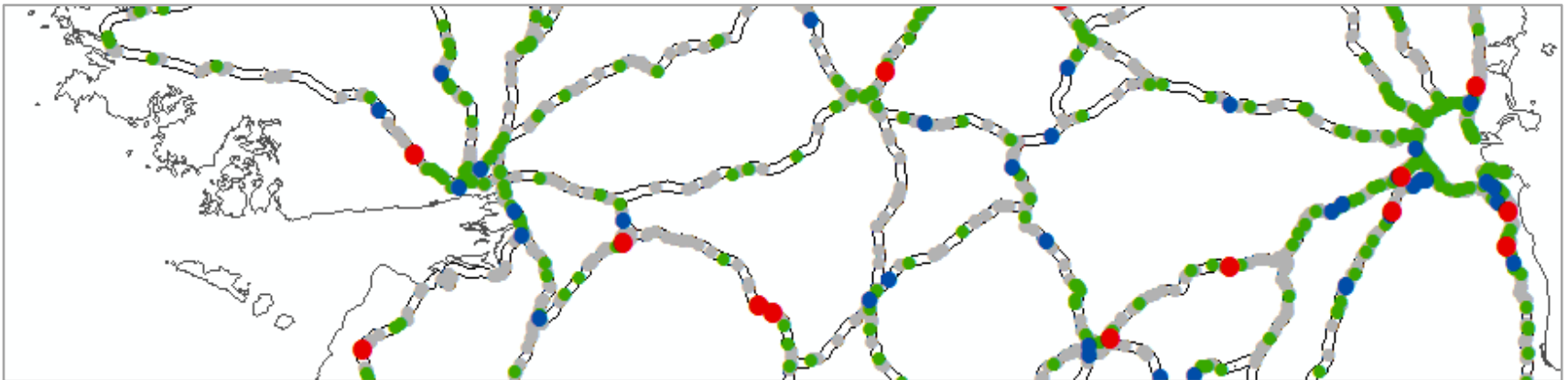
Data Collection and Dissemination

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Introduction

- Collision data collection in Ireland
- Describe the information that is collected
- Collision occurrence in Ireland
- Sources of collision data



Why is Collision Data Recorded?

- Road safety research
- Targeting safety remedial measures
- Determine most appropriate action: Engineering, Education or Enforcement
- Road Safety Audit
 - Collision data provides background reasoning for identified problems

Collision Data Collection

- Collision data is collected by An Garda Síochána and recorded in the PULSE database
- Approximately 25,000 collisions recorded each year
- Formal collision data collection began in 1968
- Recent changes to the way data is collected



Collision Data Collection – Recent Updates

- Road Safety Strategy 2013 - 2020, Action 118: Improve recording, collection and dissemination of collision data.
 - The CT68 form withdrawn from use
 - Sketch and description no longer recorded
 - Updates to the PULSE database in 2014
 - Primary collision types extended
 - Working on a narrative field
 - Improved distribution of collision data



Collision Data Collection - Collision Severity

- Fatal Collision

Where at least one person is killed as a result of the collision and death occurs within 30 days.

- Serious Injury Collision

Where there are no deaths, but a person or persons are seriously injured.

The definition of “serious injury” is an injury for which the person is detained in hospital as an ‘in-patient’, or any of the following injuries whether or not detained in hospital: fractures, concussion, internal injuries, crushings, severe cuts and lacerations, severe general shock requiring medical treatment

Collision Data Collection - Collision Severity

- **Minor Injury Collision**

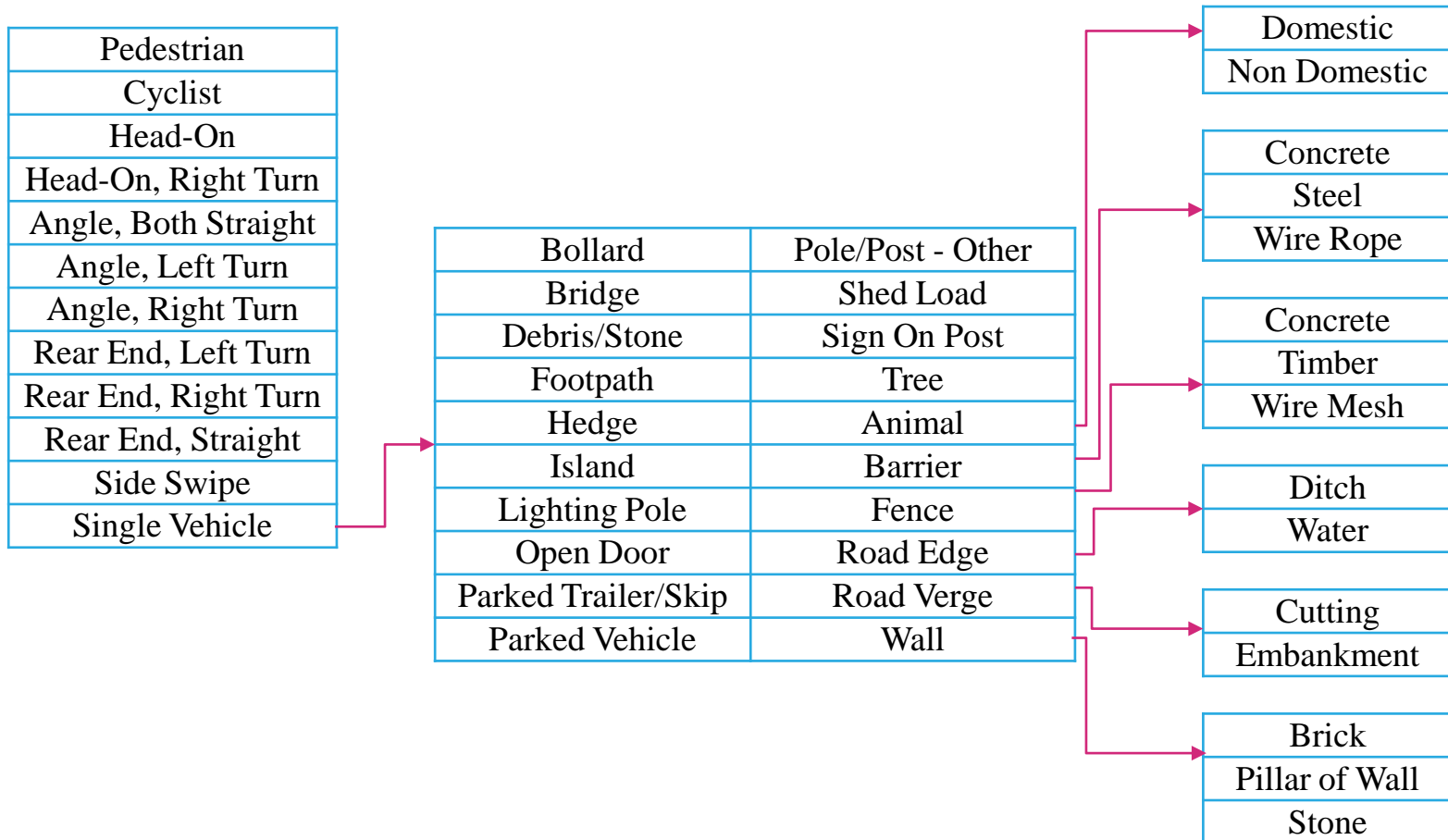
Where there are no deaths or serious injuries.

The definition of a minor injury is an injury of a minor character such as a sprain or bruise.

- **Material Damage Collision**

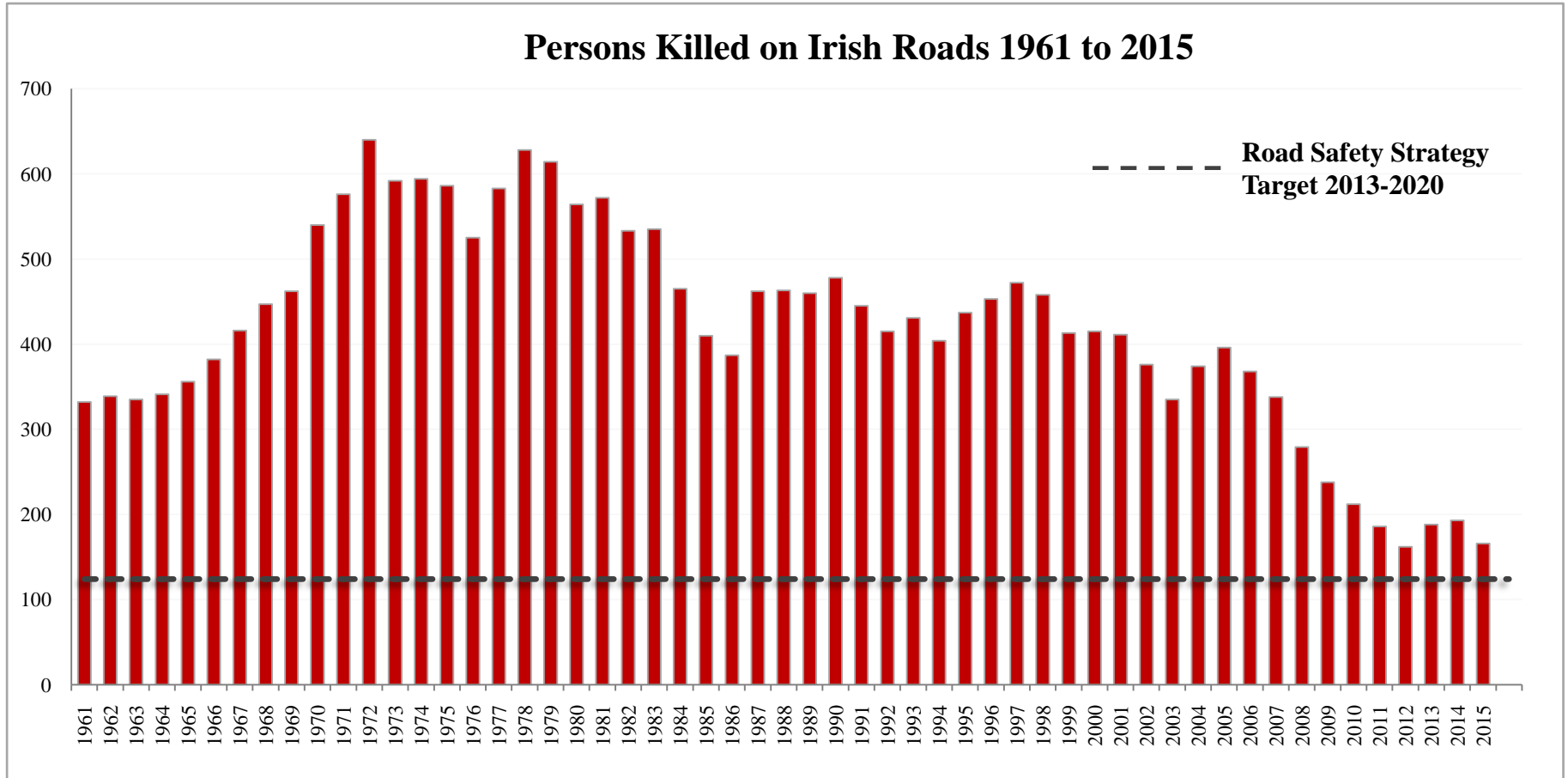
Where no deaths or injuries occur but damage is caused to a vehicle or property.

Collision Data Collection - Primary Collision Type



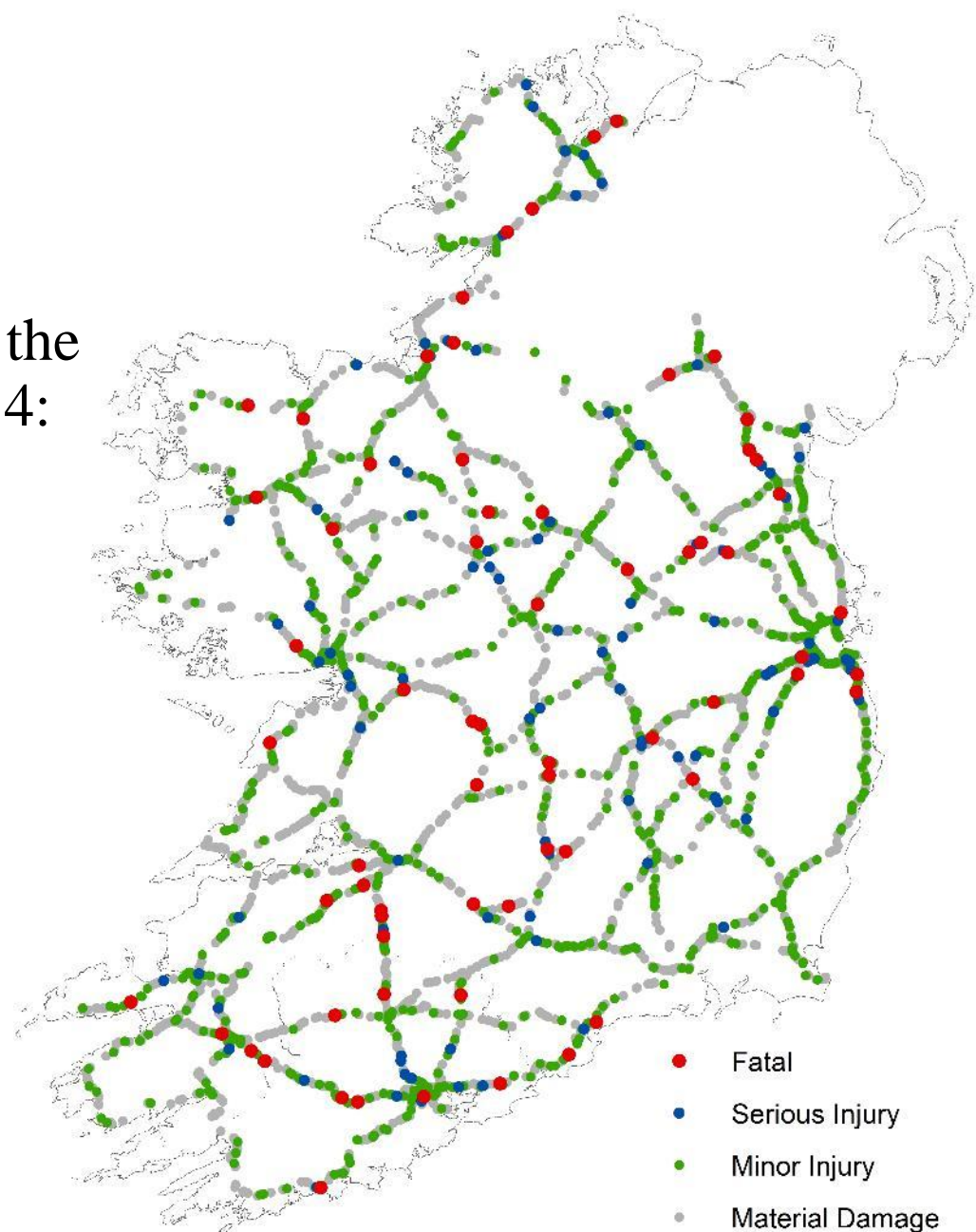
Collisions in Ireland

23,182 people have been killed on Irish roads between 1961 and 2015



Collisions in Ireland

- 9,046 collisions recorded on the national road network in 2014:
 - 67 Fatal
 - 102 Serious Injury
 - 1,111 Minor Injury
 - 7,766 Material Damage



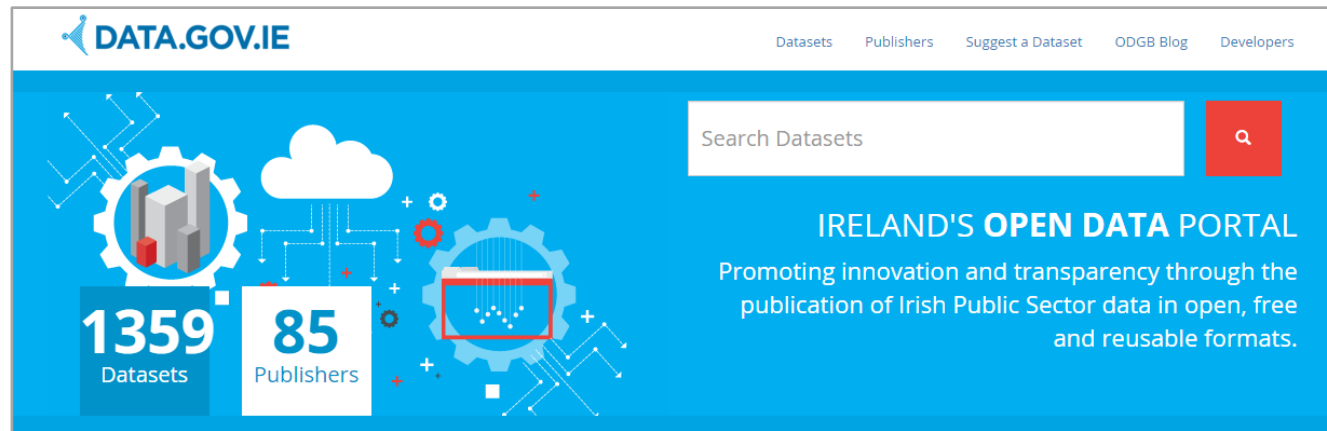
Collision Data Dissemination

- Collision data is distributed from the PULSE database to the RSA, TII and the LGMA
- Dissemination Issues
 - Data protection
 - Filter information that is not relevant
 - Data validation



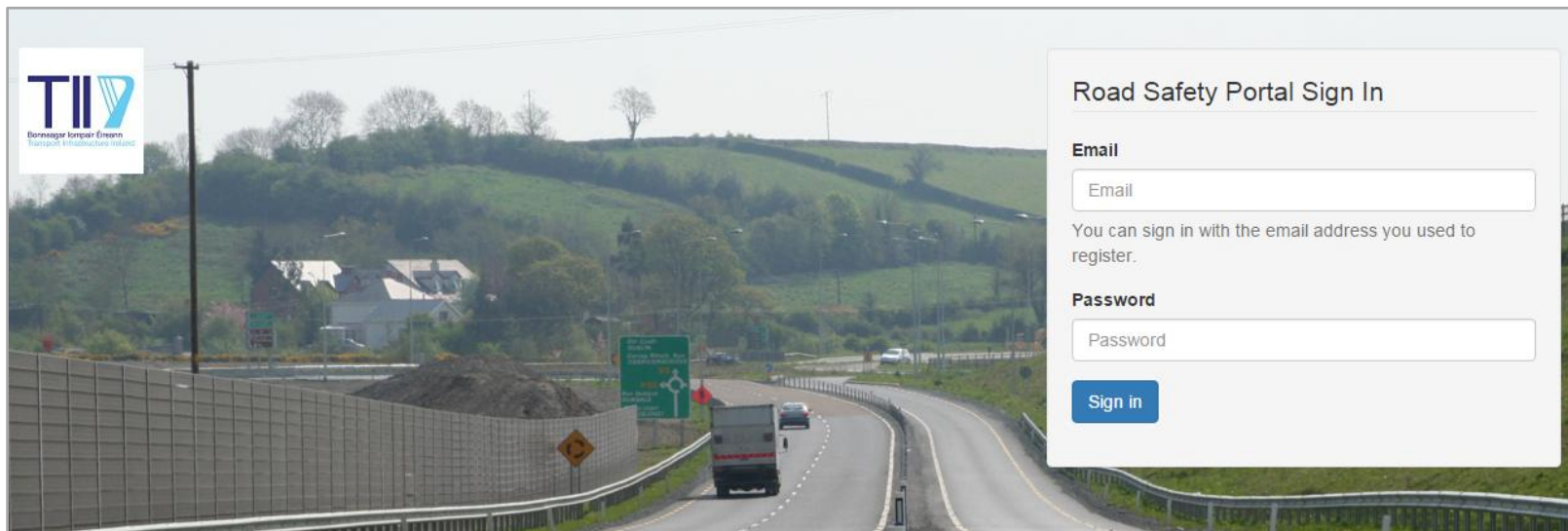
Collision Data Dissemination - TII

- National road data publicly available on <https://data.gov.ie/data>
 - Injury collision data 2010 to 2014
 - Material damage collisions 2014
 - 2015 data available soon
- The datasets contain limited information
- Data formats: csv, ESRI ShapeFile, Google Earth kmz, pdf maps



Collision Data Dissemination - TII

- TII currently working to make more detailed collision data available on the Road Safety Portal
- TII Road Safety Portal: <https://web.nra.ie/safety/Home/Index>
- Registered users only

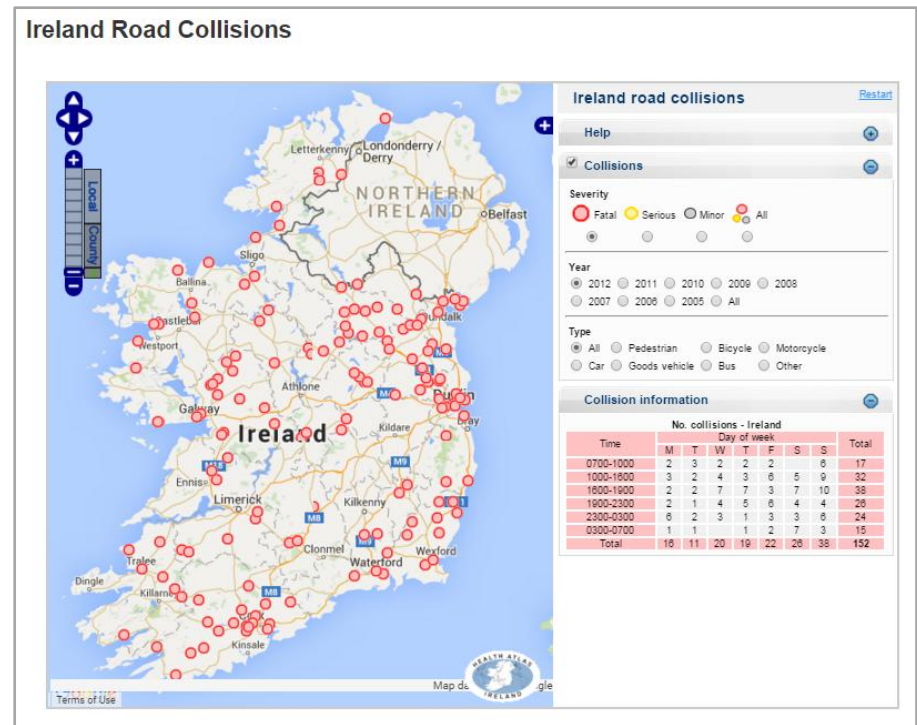


Collision Data Dissemination - LGMA

- LGMA hold regional and local road data for:
 - Injury collisions up to 2013
 - 2014 material damage collisions (not validated)
- This data is available to Local Authorities through MapRoad
- If you are working on behalf of a Local Authority, you can contact them for the relevant collision data.

Collision Data Dissemination - RSA

- Information publicly available on www.rsa.ie
- Validated data 2005 - 2012
- Ireland Road Collisions Map
- Collision statistics
- Road Collision Facts



Conclusion

- Recent changes in collision data collection and dissemination
- Data is available quicker
- Data is not validated and the information is limited
- Collision data sources
 - Data.gov.ie for national roads
 - Local Authority for local and regional roads
 - RSA for collision statistics and facts

References

Reports

- Road Safety Authority, 2013. Road Safety Strategy 2013 – 2020.
- Road Safety Authority, 2014. Road Collision Facts, 2012.

Websites

- <https://data.gov.ie/data>
- <http://www.garda.ie/Controller.aspx?Page=1368&Lang=1>
- <http://maproadpms.ie/desktop.html>
- <http://www.rsa.ie/en/>
- <https://web.nra.ie/safety/Home/Index>