

2018

NI Road Safety Strategy to 2020 – Annual Statistical Report: Statement of User Needs

User Consultation

Analysis, Statistics and Research Branch
Updated Aug 2018



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INTRODUCTION

The Northern Ireland Road Safety Strategy to 2020 (NIRSS) sets out a vision to improve road safety in Northern Ireland over the ten year period from 2011 – 2020. Its framework concentrates on four high-level outcomes (targets) and then a further 20 key performance indicators (KPIs) that are used to track the progress of the underlying road safety performance behind the casualty figures. The NIRSS Statistical Report monitors the progress of the targets and KPIs set out in the NIRSS.

ASRB already had a keen understanding of the data needs of their internal policy customers, given their close working relationship on various road safety research projects including the development of the Statistical Report. In contrast, much less was known about the extent to which the report met the needs of external users or with regard to their wider road safety data needs. While many would have had the opportunity to provide feedback on road safety statistics and research through membership of the Road Safety Forum, or via the Road Safety Readership Survey¹, there had been no direct dialogue between ASRB and external users.

In order to address this gap in knowledge, in May and June 2016, ASRB conducted a number of face-to-face consultations with external users of road safety data. A wide range of users were met with to reflect the different user types: a road safety advertiser; groups representing young people; a group representing older people; road safety charities; and an insurance company. This report summarises the main requirements to emerge from these meetings and how we hope to address these in the future. It begins by briefly highlighting the current uses of the data, followed by an examination of the specific data needs that are not met by the statistical report. There were several key themes regarding gaps in knowledge that emerged from the meetings which are discussed separately. A table is then provided listing the main needs identified, how they will be addressed and likely timescales. Note that given the prime purpose of the report is to monitor the NIRSS, it may not always be the most appropriate vehicle to meet a highlighted need. Furthermore, in some instances, a specific piece of analysis was requested by a single user which would not necessarily have a broader appeal to others or is already available on request from other data owners such as PSNI. In such cases, the user has been directed to the most appropriate source. Identified needs will be prioritised in line with available resources and this will be kept under review. This statement of user needs will be published online so that users can see our plans and progress. Timescales for implementation will be reviewed on an annual basis, and the User Requirement table updated to reflect work carried out to date. It is envisaged that a number of additional external users will be consulted each year, on an ongoing basis, to ensure that our understanding of data requirements remains current. Again, the table will be updated, as necessary, to reflect new data needs identified and how ASRB plan to address them.

¹ <https://www.infrastructure-ni.gov.uk/publications/road-safety-customer-satisfaction-survey-report>

CURRENT USES

In each meeting with the users, it was first determined how the available data are currently being used. Consultation meetings were held with external customers only; however, as stated previously, internal customers and their uses of the data, are already firmly established.

Internal users

A Strategy Delivery Board reports to the DfI Minister; it has the lead responsibility for monitoring and reporting on progress towards delivery of the Strategy and as such is the main internal user. The Northern Ireland Road Safety Strategy to 2020 Annual Statistical Report provides the main source of information for the Delivery Board to assess progress being made against the Strategy and whether its various action measures are delivering the desired road safety benefits. Data from all targets and indicators are therefore highly relevant and used extensively for this purpose. Aside from this primary use, the report is also used by internal policy colleagues to:

- inform senior management and Ministerial briefing;
- answer queries; and
- help evaluate other Departmental strategies and initiatives (such as Graduated Driver Licensing and Drink/Drug Driving legislation).

External users

Each of the external users consulted have varying degrees of use for the data within the NIRSS Statistical Report. Some, such as the advertising company, could be classed as sophisticated users, creating their own analysis directly from available data sources. In these cases, a substantial proportion of the targets and indicators are of use as they seek to determine which road user groups are at particular risk, and hence can target their campaigns accordingly. In other cases, only a small subset of the targets and indicators are relevant to the user and in summary form (for example, only those that concerned children and young people are of use to the groups representing younger people). Generally such groups would be involved in lobbying Government to effect road safety improvements for the road users which they represent. Both types of user (sophisticated and limited user) stated that they do not generally make much use of the Excel tables or User Guidance available; instead the tables, text and charts included in the main body of the report are regarded as being of most use. The User Guidance would typically only be consulted if a user felt they had a specific issue or query surrounding a particular indicator.

In some cases, the user was not overly aware of the NIRSS Statistical Report, despite being members of the Road Safety Forum, and being on the circulation list for notification when the report is published. However, the meetings were still useful in alerting these customers to the data that is currently available. This suggests a need for better marketing of the report. Indeed, the meetings with all users were useful for this purpose: where users were not fully aware of the range of data available aside from the NIRSS Statistical Report, they were

informed of the additional products and sources available, e.g. NI Road Safety Monitor, Problem Profile, Seat Belt Survey, etc.

KEY THEMES

Once their current use of road safety data had been established, users were asked whether they had any specific road safety data needs that were not met by the statistical report. Below provides a summary of the key themes that arose in these conversations. A fuller list of user requirements can be found at the end of this report.

1. Context

A number of users indicated that an explanation behind trends or spikes in KSI or indicator data would be useful. This echoed one of the required improvements that the UK Statistics Authority highlighted was necessary in order to fully comply with the Code of Practice for Official Statistics, and to enable designation as National Statistics: “Improve the presentation and commentary to aid user interpretation providing contextual information and pointers to where richer data may be found”.²

It is therefore planned to include a section at the beginning of our 2016 NIRSS Statistical Report presenting key contextual trends in a user friendly way (such as incorporating infographics). Examples would include: miles travelled by mode of travel; the number of driving test applications and licences held; fixed penalty notices for speeding; convictions for drink-driving; and advertising spend. It will be important to avoid straying into speculation or attributing indicator changes to specific policy initiatives or actions. Instead, the types of factors that could be influencing trends will be highlighted leaving readers to draw their own conclusions as to their relative impact versus that of the various Strategy actions.

2. Geography

A number of users indicated that a geographical breakdown of Killed and Seriously Injured (KSI) data would be beneficial. Specific geographies mentioned included postcode and county. In addition, there were specific needs for data at different geographies alongside other variables, including age; date of collision; and cause of collision. Specific mention was made of the searchable map of road traffic collisions that is available on the RSA website³.

Subsequent discussions with statistical colleagues in PSNI has alerted us to the availability of a searchable KSI map on the Northern Ireland Neighbourhood Information System (NINIS) website. Users will be alerted to this source and a summary map and link to the detailed interactive map will be included in the main Statistical Report. It should also be possible to include a greater range of indicators broken down by geography in future reports.

²<https://www.statisticsauthority.gov.uk/wp-content/uploads/2016/05/Assessment-Report-323-Northern-Ireland-Road-Safety-Strategy-to-2020-Annual-Statistical-Report.pdf>

³ <http://www.rsa.ie/en/RSA/Road-Safety/Our-Research/Collision-Statistics/Ireland-Road-Collisions/>

In the interim, a wide range of geographical analyses of KSI data are available from PSNI (the data owners) on request and users will be alerted to this source.

3. Mobile phones

The third most frequently requested information need was with regards to KSI collisions caused by mobile phone use. There is growing opinion that using a hand-held or hands-free mobile phone while driving is a significant distraction; however, data for the number of KSI collisions that have been caused by mobile phone use is difficult to source.

Collision causation is input by PSNI officers investigating the collision - if the principal cause identified is, for example, inattention or attention diverted; wrong course/position; driving too close; excessive speed; drink-driving, then mobile phone usage may be under-reported. In these instances mobile phone may be recorded as a secondary cause; however, it is worth highlighting that by the time police attend the scene, the phone may be removed or secured elsewhere. It is only in the case of a fatality that police powers to examine a phone are held to be reasonable and proportionate to the potential intrusion that a mobile phone examination would entail. So, whilst theoretically it would be possible for ASRB to produce analysis on collisions where mobile phone usage has been identified as a cause; in practice any output would not be considered robust. Any analysis produced for mobile-phone usage would have to carry the appropriate caveats and its utility would be low; as such, ASRB are reluctant to devote any resource to the issue at present unless there is a change in the way the causation fields are populated.

There were some questions on mobile phone usage while driving included on the 2017/18 Continuous Household survey. Results of this module are not yet available for analysis but it is anticipated that a report will be produced in 2019. Historically, there were data available on mobile phone usage from the Road Safety Monitor and Seat Belt Survey, although both of these surveys were last carried out in 2014 and there are no current plans for them to run again in the near future. Users that requested data on mobile phones have been directed to the most recent reports, and will be alerted to the 2017/18 CHS results, when available.

4. Miscellaneous

The remaining data needs identified from the user consultations can be grouped into 'Other', having only been requested by a single user. In some cases the requests were very specific to the user in question and it is unlikely that ASRB could devote resource to such niche analysis. In other cases, however, ASRB can see a wider benefit and will consider making the analysis available on their website as resources permit.

CONCLUDING REMARKS

ASRB are committed to continuous improvement and the comments given as part of these consultations provide valuable feedback for assessing the value of our RSS Statistical Report and for future planning. Each of the gaps in data identified will be considered; however, as stated previously, it is unlikely that all requests can be met within current resources. The list of user requirements (Table 1, page 8) summarises the various user requests, including those mentioned in the Key Themes above. The table sets out: the type of data/analysis requested; whether or not it can be accommodated; how best to address it; and an anticipated timeframe. The list will be reviewed at the beginning of each business year - it is a living document and will be updated annually with details of progress made against each request and with work that is planned for the upcoming year.

It is essential that users are given the opportunity to continue to provide feedback on our publication and services on an ongoing basis and to make us aware of any further data needs as they arise. All of the users consulted were content with their current channels of engagement with the Department with respect to their information needs (principally via the Road Safety Forum) and did not express any great desire to participate in a dedicated Road Safety Statistics User Group. Although some did feel that the existing Transport Statistics Users Group could perhaps serve this purpose, this Group has now been wound up following a formal review. Most transport statistics users indicated that they preferred to be consulted with informally via one-to-one meetings, supplemented with periodic readership surveys and good feedback facilities on ASRB website. Resulting from this, a new User Engagement Strategy has been developed and published on ASRB website (see <https://www.infrastructure-ni.gov.uk/articles/asrb-user-engagement-strategy>). In line with this Strategy and, as stated previously, a number of additional external road safety users will be consulted with each year and an overall Statement of User Needs, covering all of ASRB's user base, will be developed. This will be updated on an annual basis following the latest round of user one-to-one meetings and other feedback received.

TABLE 1: LIST OF USER REQUIREMENTS

User Requirement	ASRB Response & Actions	Timescales	2018 Update
<p>More detailed explanation behind trends or spikes in data.</p>	<p>See Key Theme 1.</p> <p>Inclusion of a key road safety trends section in the Statistical Report in a user-friendly infographic format. Reference to relevant influencing trends will be made in the commentary relating to individual indicators although it would not be possible to determine which are most important without undertaking further detailed research.</p>	<p>Include in 2016 Report</p>	<p>A road safety trends section/infographic was included in the 2016 RSS Statistical Report as well as further commentary added to each indicator. These will be updated annually.</p>
<p>More geographic analysis and provision of a searchable Road Traffic Collision (RTC) map on website.</p>	<p>See Key Theme 2.</p> <p>Identify key indicator tables which could be split out at sub-NI level with a view to including such breakdowns in future Statistical Reports.</p>	<p>Commence during 2016/17 – first supplementary analyses to be included in 2017 Report and further review in 2018/19</p>	<p>Additional maps have been included in 2017: An NI breakdown by county and a comparison with Europe. This action will remain open and updated if any additional maps are included.</p>
<p>Develop data around mobile phone usage and KSIs.</p>	<p>See Key Theme 3.</p> <p>Module on Mobile Phone Usage while Driving included on the 2017/18 Continuous Household Survey. Link to report will be included in publication, when available.</p>	<p>Include in 2019 Report</p>	<p>The data should be published in 2019 and a link included in NIRSS 2019.</p>

<p>Develop and provide access to casualty risk exposure data (e.g., robust travel distances/times by age and travel mode, licensing data, etc)</p>	<p>1) ASRB already has plans in place to address the lack of robust exposure data across a greater range of road user categories and ages. This will involve pooling Travel Survey for NI (TSNI) samples across years to create larger and hence statistically more robust sample sizes.</p> <p>2) ASRB will investigate providing direct user access to an anonymised DVA licensing dataset or pre-defined detailed tables if individual records are not feasible.</p>	<p>1) Commence in 2016/17 – further work planned for 2017/18 and 2018/19</p> <p>2) 2018/19</p>	<p>1) ASRB’s investigation, using pooled TSNI samples, revealed that more recent large changes that were reported in distance travelled for both cyclists and motorcyclists since the baseline period were statistically significant. This is an important finding as it means that we can then be confident that any change in a KSI rate which is based on a statistically significant change in distance travelled (from the baseline period), is a real change. Further work is planned to examine the statistical significance of overall trends and the potential to use MoT mileage data to improve upon existing sources. A workshop with Rol colleagues to explore this issue is took place in Oct 2017. Findings from this workshop will be examined in 2018/19 to determine whether any of the conclusions or recommendations can be applied to NI data.</p> <p>2) A new replacement driver system (the RDS) was implemented by DVA licensing in Nov 2016. The feasibility of producing an anonymised dataset for secondary analysis will be investigated during 2018/19 once the new system has properly bedded in. This will also be subject to resource considerations.</p>
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<p>Analysis of collisions/casualties occurring while driving to/from work.</p>	<p>These data are not currently available, however, as of April 2016, the variable is available on PSNI Case Report Forms (CRF) and the information is now being collected. PSNI are aware of our interest and the variable will be included in the 2017 Information Sharing Agreement to allow future analysis.</p>	<p>Keep under review</p>	<p>A new variable is available on Reason For Travel. There are a number of data quality issues which must be addressed before any output is released. It is intended to investigate after publication of the 2018 RSS Annual Statistical Publication.</p>
<p>Analysis on the number of drivers saved because they have been wearing their seatbelt.</p>	<p>Internal estimates already available using data from GB and seatbelt wearing rates from NI Seatbelt Survey. Will consider including these in future Seatbelt Survey reports if/when it is next carried out.</p>	<p>Keep under review.</p>	<p>Keep under review.</p>
<p>Review membership and role of Transport Statistics Users Group (TSUG)</p>	<p>The role of TSUG is already scheduled for review following recent departmental reorganisation. This will examine membership including ensuring greater external road safety user representation.</p>	<p>Commence in 2016/17</p>	<p>Review complete and decision made to wind up TSUG and replace it with targeted one-to-one user consultations, periodic readership surveys and enhanced feedback facility on ASRB website – see https://www.infrastructure-ni.gov.uk/articles/asrb-user-engagement-strategy</p>