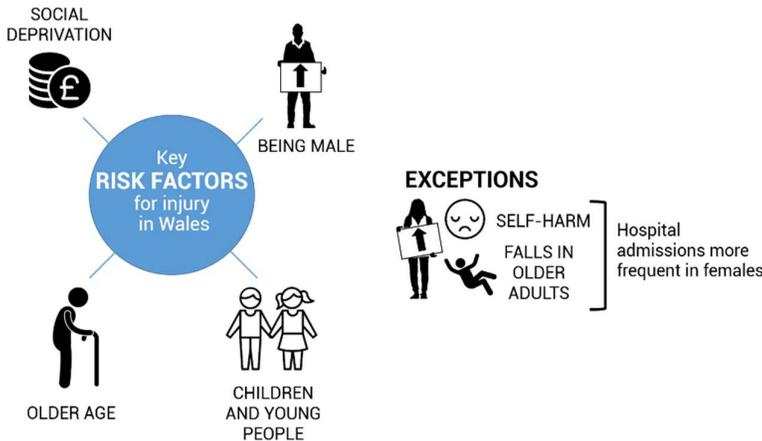


Briefing Paper on New Injury Reduction Resources for Wales

1. The **All Wales Injury Surveillance System (AWISS¹)** funded by Public Health Wales, has developed several new resources (detailed below), to support the reduction of injuries across Wales.
2. A key development, is a list of **injury indicators²**, designed to summarise the extent of the injury problem across Wales. 25 injury indicators were agreed following a consultation process, covering: **all cause injuries, falls, road traffic injuries, pedestrian and cycling injuries, injuries in the home and at leisure, burns and scalds, poisonings, self-harm and assault.**



**Icons from noun project, created by: Rockicon, Gan Khoon Lay, Lora Meiertobrens, Chanut is Industries and Andrew Doane*

3. The new injury indicators² were estimated using anonymised health records held in the **Secure Anonymised Information Linkage (SAIL³) databank at Swansea University**. Information on the datasets used, and the quality of these datasets can be found in our data quality report⁴.
4. AWISS estimates suggest injuries are most frequent in the **youngest and oldest** age groups, **males** and most **deprived communities²**. **Exceptions** being falls and non-fatal self-harm hospital admissions, which appear higher for females compared to males in certain age groups.
5. The quality of injury data collected in hospitals, particularly in Emergency Departments (EDs) varies across Wales, with **high missing values in some regions⁴**. As such our injury indicator estimates are likely to be conservative. Accurate & complete data on injuries is key to informing the right preventative decisions across Wales.

New Injury Resources for Wales

New Resource	Summary	Resource location
AWISS website	New website, providing an overview of AWISS aims and activities; an interactive injury indicator tool; and an enquiry form enabling injury prevention practitioners and policy makers to apply for simple data requests (for free), or to request advice on formulating large evaluation studies.	English: https://www.awiss.org.uk/ Welsh: https://www.awiss.org.uk/cy/croeso-ir-system-arolygu-anafiadau-cymru-gyfan/
25 Injury Indicators for Wales	Following an extensive consultation process, 25 injury indicators for Wales were agreed, to summarise the impact injuries have on population health in Wales. Indicators are presented as rates per 100,000, by year, age, gender, Local Authority, Health Board and small-area level deprivation. Figures will be updated annually.	English: https://www.awiss.org.uk/injury-prevention-priority-areas-in-wales/ Welsh: https://www.awiss.org.uk/cy/meysydd-blaenoriaeth-atal-anafiadau/
Injury Indicator Consultation Report	Report summarising the injury indicator consultation process.	English: https://www.awiss.org.uk/wp-content/uploads/2019/10/Injury-Indicators-for-Wales-Consultation-Results.pdf

¹AWISS, www.awiss.org.uk, funded by Public Health Wales

² Swansea University. Injury Indicators for Wales Report 2019. 2019. <https://www.awiss.org.uk/wp-content/uploads/2019/10/Injury-Indicators-for-Wales-Report-2019.pdf>

³ SAIL databank, <https://saildatabank.com/>

⁴ Lyons RA, Turner SL, Lyons. The All Wales Injury Surveillance System (AWISS) Injury Indicator Data Quality Report. AWISS, Swansea University: 2019. <https://www.awiss.org.uk/wp-content/uploads/Injury-Indicator-Data-Quality-Report.pdf>

		Welsh: https://www.awiss.org.uk/wp-content/uploads/2019/10/Injury-Indicators-for-Wales-Consultation-ResultsC.pdf
Interactive Injury Indicator Tool	A publicly available interactive tool presenting the injury indicator results for Wales. One dashboard per indicator. Results downloadable in both graphical and tabular format.	English: https://www.awiss.org.uk/introduction-and-user-guide/ Welsh: https://www.awiss.org.uk/cy/trosolwg-a-chanllaw-i-ddefnyddwyr/
Injury Indicators for Wales Report 2019	Report summarising the key injury indicator findings.	English: https://www.awiss.org.uk/wp-content/uploads/2019/10/Injury-Indicators-for-Wales-Report-2019.pdf Welsh: https://www.awiss.org.uk/wp-content/uploads/2019/10/Injury-Indicators-for-Wales-Report-2019C.pdf
Injury Indicator Data Quality Report	Report detailing the quality of the datasets used to generate the injury indicator estimates.	English: https://www.awiss.org.uk/wp-content/uploads/Injury-Indicator-Data-Quality-Report.pdf Welsh: https://www.awiss.org.uk/wp-content/uploads/2019/10/Injury-Indicator-Data-Quality-ReportC.pdf

Recommendations

The quality of data collected on injuries in Wales is mixed, and for ED data is particular poor in certain regions⁴. High quality injury data is key to informing effective injury prevention policy and practice across Wales, and helps us to answer the five W's of injury: 1) **Who** was involved? 2) **What** happened? 3) **Where** did the injury take place? 4) **When** did it happen? 5) **Why** did it occur?

AWISS have five key recommendations:

1. More attention should be paid to the capture of injury aetiology information in EDs. The implementation of a simplified, standardised data entry system, such as the European Minimum Data Set (page 18 in the injury indicator report²), in all EDs across Wales is recommended. Although Welsh Government mandated the inclusion of the MDS in a new, national ED computer system in 2015/16, this new system is yet to be adopted or implemented.
2. The Emergency Department Data Set (EDDS) should be updated to reflect the new College of Emergency Department dataset which contains more detailed information on types of injury and other categories of disease.
3. A government-led ED data quality initiative would be welcomed to set standards around ED data collected in hospitals throughout Wales.
4. Wales should continue to engage with the International Collaborative Effort on Injury Statistics and the Injury VIBES consortia to standardise the measurement of the burden of injury and facilitate international comparisons.
5. Due to ongoing data quality issues⁴ it is recommended injury indicators produced by AWISS be interpreted with caution. If you are planning to use AWISS injury indicators in your work, it is advised you speak with a member of the AWISS team before publishing your work (www.awiss.org.uk, Email: s.turner@swansea.ac.uk)

Feedback

AWISS would appreciate any feedback/suggestions on the new injury resources and indicators, including how you plan to use these resources. Please e-mail feedback, to Samantha Turner, s.turner@swansea.ac.uk.

¹AWISS, www.awiss.org.uk, funded by Public Health Wales

² Swansea University. Injury Indicators for Wales Report 2019. 2019. <https://www.awiss.org.uk/wp-content/uploads/2019/10/Injury-Indicators-for-Wales-Report-2019.pdf>

³ SAIL databank, <https://saildatabank.com/>

⁴ Lyons RA, Turner SL, Lyons. The All Wales Injury Surveillance System (AWISS) Injury Indicator Data Quality Report. AWISS, Swansea University: 2019. <https://www.awiss.org.uk/wp-content/uploads/Injury-Indicator-Data-Quality-Report.pdf>