Unintentional injuries in adults of working age: Who's injured is no accident.

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<u>Unintentional injuries – definition</u>

The term 'unintentional injury' replaces that of 'accidental injury' in recognition of the fact that –

'most injuries and their precipitating events are predictable and preventable'

Davis R, Pless B (2001) BMJ bans 'accident'. BMJ 322: 1320-1

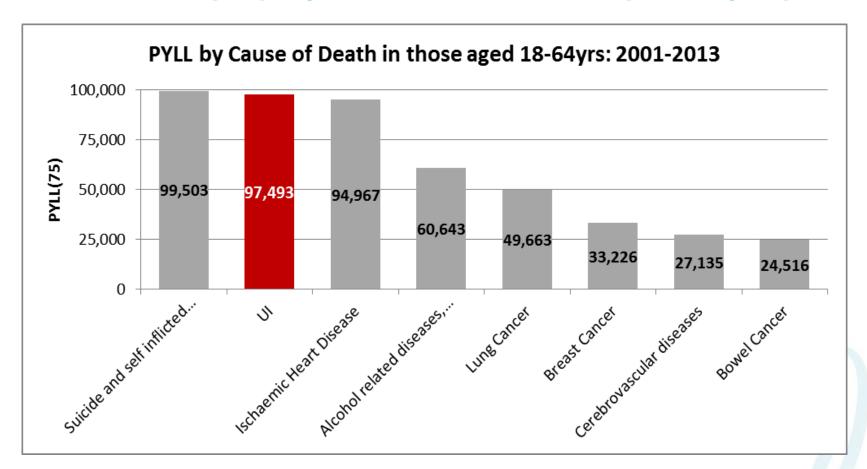


The scale of UI in Northern Ireland – all ages

Unintentional Injuries in Northern Ireland						
For every 1 death	Per year this means					
600 people attend A&E		250,000 attendances (estimated 13/14)				
74 People call 999		31,221 call outs (13/14)				
40 people are admitted to hospital		17,000 admissions (2012)				



PYLL(75) by Cause of Death (18-64yrs)



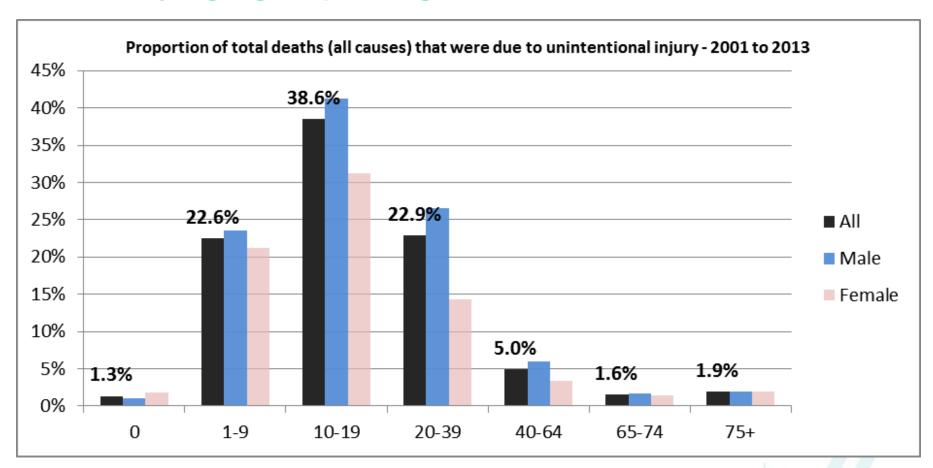


Trend in UI deaths by age-group





UI deaths as a proportion of total deaths by age-group and gender in Northern Ireland



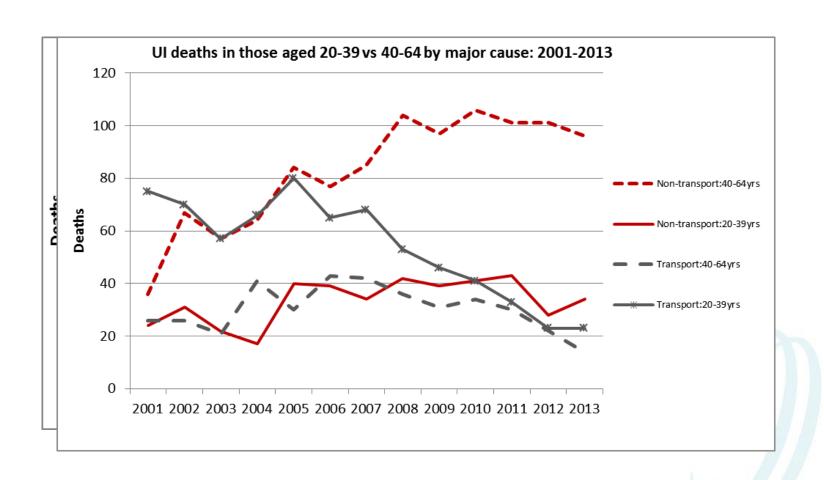


Key facts	20-39 yrs	40-64 yrs		
Deaths (2001-2013*) Unintentional injury (V01-X59; Y85-Y86)	1,139	1,486		
Trends 2001-2013	Fluctuating: high of 121 deaths in 2005, low of 51 in 2012, 57 in 2013*	Fluctuating: low of 63 in 2001 to high of 145 in 2008; 135 deaths in 2011, 113 in 2013*		
Proportion of total deaths (2001-2013) in age-group	1,139/4,963 = 22.9%	1,486/30,007 = 5.0%		
Top 3 causes of unintentional injury death (2001-2013)	 'Transport', n=700 Accidental poisoning n=187 Falls n=79 	 Falls, n=441 'Transport' n=396 Accidental poisoning n=269 		
Hospital admissions: Unintentional injury – cause code ICD-10 V01 – X59. (DHSSPS 2003-2012)	34,061 admissions in people aged 20-39yrs (2003-2012). (~70 admissions per week)	37,642 admissions in people aged 40-64yrs (2003-2012). (~72 admissions per week)		
Top 4 causes of hospital admissions (2003-2012)	1) 'Fall' n=11,369 2) 'Transport-related' n=6,989 3) Inanimate forces n= 6,221 4) X59†, n=4,709	1) 'Fall' n=20,736 2) Inanimate forces n= 4,681 3) 'Transport-related' n=4,529 4) X59†, n=3,715		
Road traffic deaths (PSNI, 2013)	26	10		
Road traffic 'Seriously injured' (PSNI, 2013)	267	208		



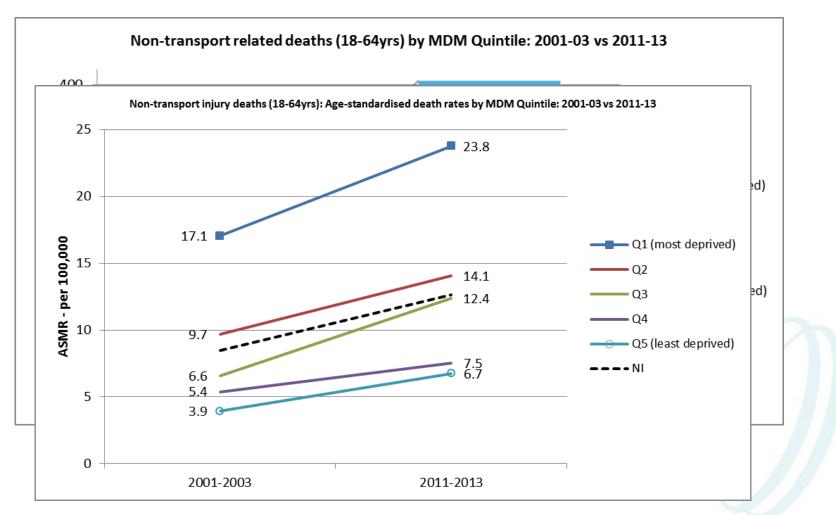
*Note: Year refers to calendar year in which death was registered and not the actual year of death.
† ICD-10 code X59 = 'Accidental exposure to unspecified factor'; this is a general coding term used to describe accidental events were the actual circumstances are unclear.

UI deaths (20-64yrs) by major cause

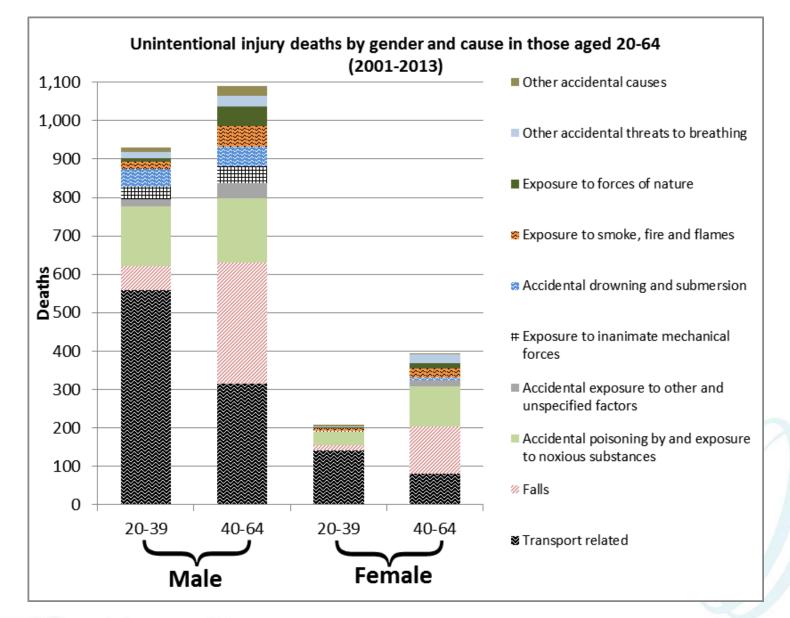




UI deaths (20-64yrs) by deprivation quintile

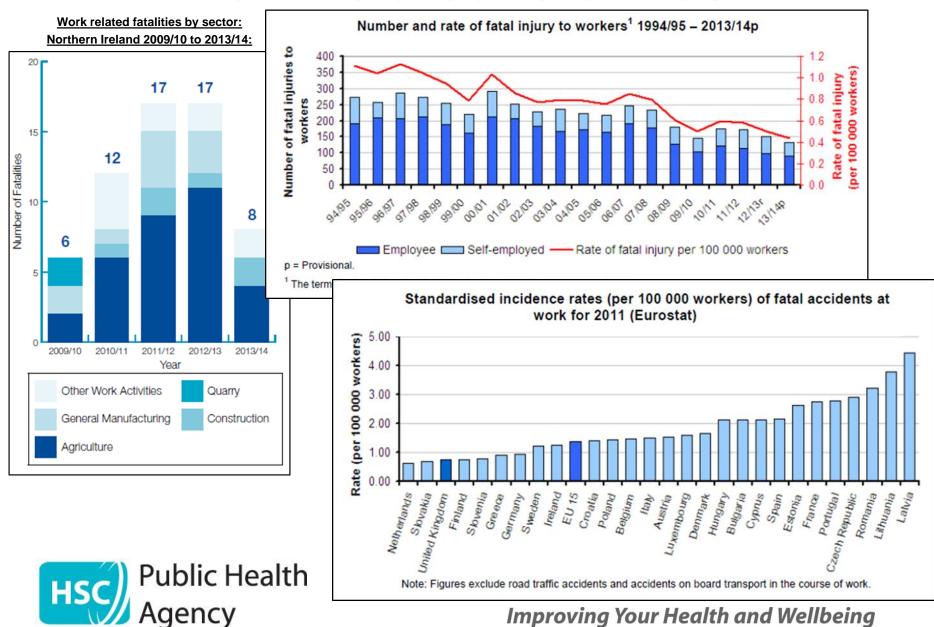


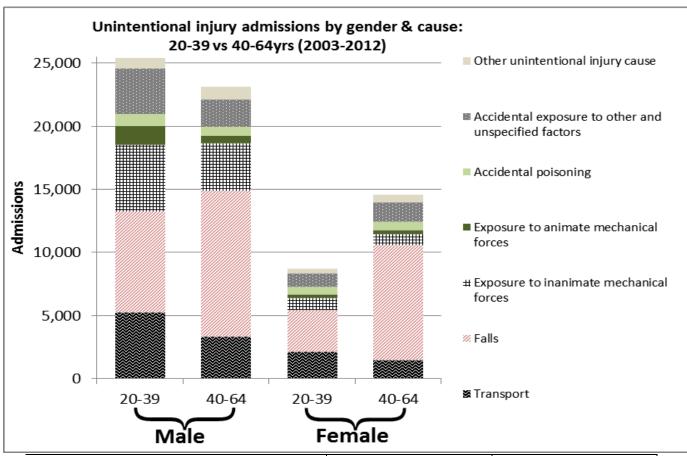






Work-related fatalities

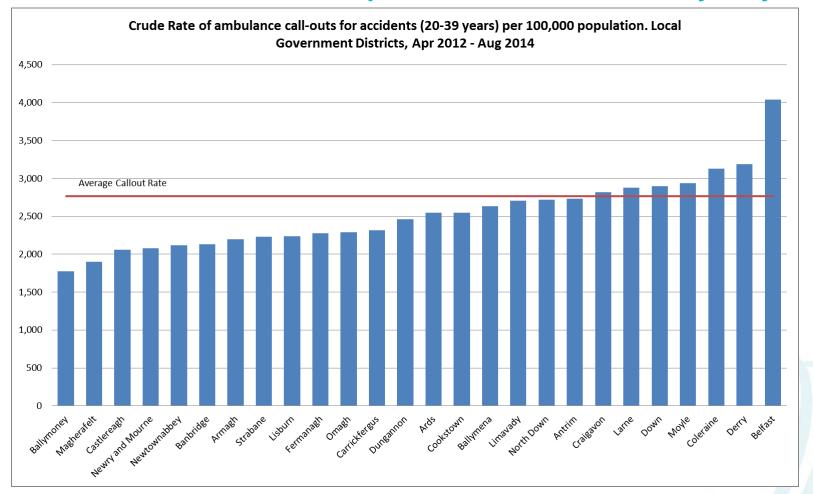




Cause	20-39		40-64	
Cause	Male	Female	Male	Female
Transport	5,230	2,128	3,285	1,481
Falls	8,059	3,310	11,619	9,117
Exposure to inanimate mechanical forces	5,273	948	3,790	891
Exposure to animate mechanical forces	1,504	264	582	298
Accidental poisoning	920	620	687	668
Accidental exposure to other and unspecified factors	3,633	1,076	2,206	1,509
Other unintentional injury cause	816	345	970	629
All causes	25,435	8,691	23,139	14,593



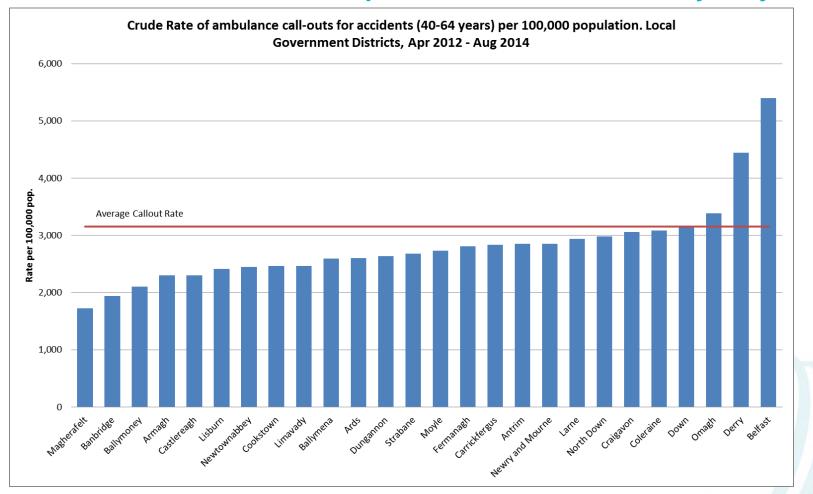
Ambulance call-outs – rates per 100,000 in those 20-39yrs by LGD



Average call-out rate = 2,723 per 100,000; Total call-outs 13,404 ≡ 462 per month



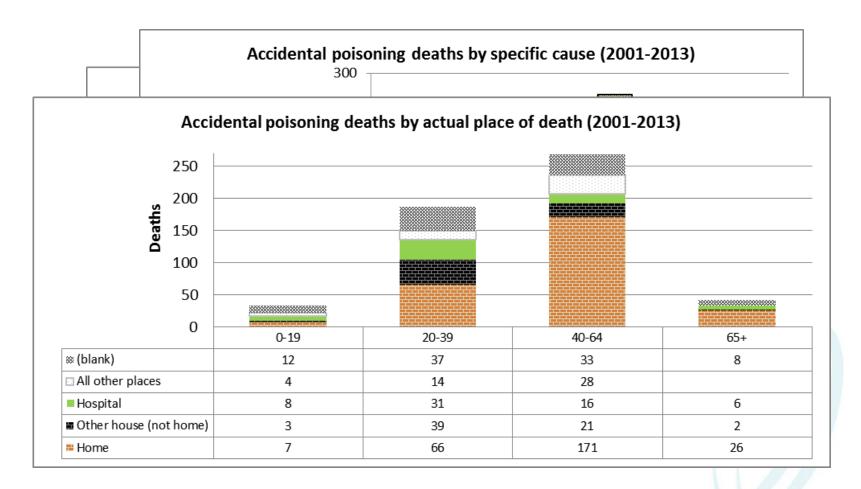
Ambulance call-outs – rates per 100,000 in those 40-64yrs by LGD



Average call-out rate = 3,156 per 100,000; Total call-outs 18,439 ≡ 636 per month



Accidental poisoning deaths





Accidental poisoning – a summary of statistics

- Accidental poisoning deaths most common in those aged 20-64yrs, and predominantly in males
- 'Drugs & Alcohol' are the cause of the vast majority of these deaths
- 'Home/Other House' is main place of death (71% in those 40-64yrs)
- Hospital admission rates rose for all age-groups 2010 to 2012 –
 highest for those aged under 10 and those 75+
 (both 57.5 per 100,000 in 2012).
 Next highest rate was for those aged 20-39yrs (41.3 per 100,000)
- 44.5% of ambulance call-outs due to poisoning were to those aged 20-39yrs - approximately 200 call-outs per month April 2012 to August 2014 for this age group.



Acknowledgements

Thanks to GRO/NISRA for the provision of the deaths data, DHSSPS for providing hospital admissions data and to NIAS for supplying statistics on ambulance call-outs.







CAPT 'Look who's falling' campaign 12 May 2014

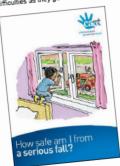
The Child Accident Prevention Trust (CAPT) is a UK number of children and young people killed, disabled accidents. Accidents are a leading cause of death and young people. Many of these accidents can be preve

- Accidental injury is one of the biggest killers of ch
- Childhood accidents cost the NHS over £275 mil. Children from the poorest UK families are 13 times
- They are also more likely to be admitted to hospi

Wise up... watch your step! was a campaign laur Accident Prevention (HAP) Northern Ireland to

Whilst the elderly are very much at risk from serio be raising awareness of falls for children, using C (CAPT) resources to help them get the prevention

Most falls for young children happen in the hor stairs and even from a highchair or changing tab a young child. And a serious head injury for a yo difficulties as they get older.



Health Intelligence briefing

1. Unintentional Injury – A Summary

This briefing is part one of a three-part series of briefings on unintentional injury statistics from Northern Ireland and elsewhere. Part 1 provides a high-level summary of unintentional injury data with further analysis of both variations across the life course and the different injury causes provided in briefings 2 and 3 respectively. The term 'unintentional injury' (UI) is a relatively new one and replaces that of 'accidental injury' in recognition of the fact that 'most injuries and their precipitating events are predictable and preventable¹². Intentional or non-accidental injuries such as those sustained through assault or self-harm are not the focus of this brief. Some key points detailed in the briefing are:

- There were 5.952 deaths as a result of unintentional injury recorded between 2001 and 2013 in Northern Ireland. The number of unintentional injury deaths rose from 361 in 2001 to a high of 525 in both 2006 and 2008 but have since reduced with 421 such deaths in 2013. (Page 4)
- · Males accounted for nearly two-thirds of unintentional injury deaths representing 61% of such deaths between 2001 and 2013. (Page 5)
- · Rates in areas of greater deprivation are considerably higher than those in the least deprived areas for males. The deprivation gradient is less marked in females but does still exist. (Pages
- . There has been a considerable reduction in deaths from transport related accidents in recent years largely as a result of reductions in deaths of car occupants. There has also been a reduction in pedestrian deaths, falling from a recent high of 33 registered pedestrian deaths in 2006 to 6 such deaths in 2013. Provisional figures for 2014 however indicate that transport related deaths have increased in the past year. (Page 8, & Report #3, section 3.3)
- . Falls are the most common cause of unintentional injury death accounting for 178 deaths in 2013, 42% of unintentional injury deaths for that year. (Page 8)
- There are approximately 17,000 emergency admissions to Northern Ireland hospitals each year as a result of unintentional injury. (Page 10)
- . There were an average of 2,556 ambulance call-outs per month in Northern Ireland due to accidents or injuries between April 2012 and August 2014, representing approximately 13.3% of all ambulance call-outs (NIAS). (Page 15)
- . It is estimated that more than 250,000 people will have attended as new or unplanned reviews at our A&E or minor injury units as a result of unintentional injury in 2013/14 (Page 20)
- · ROSPA estimate that accidents cost Northern Ireland society £4.3 billion every year, with home and leisure accidents accounting for £2.7 billion of this cost.

unintentional injuries by cause of injury es of UI deaths have been examined in the following section with information on mortality, data on hospitalisations, A&E ince call-outs are also included along with a summary of and links to other sources. of unintentional injury deaths in Northern Ireland: 2001ijury deaths 2001-2013 & 2011-2013; Top 10 causes 2001-2013 2011-2013 njury deaths across all ages were analysed for 2013 and separately for the most recent three es of such deaths were shown to have ption of 'transport-related' deaths. Reductions have resulted in this moving from being the nal injury deaths to the fifth most common. uction in the proportion of deaths now r unspecified factor (X59)' and a aths now recorded as 'falls' in the most ote for further discussion on this). ntional injury and this is particularly 013 where there were 527 such deaths other and unspecified factors' deaths ntional injury death over this same Page 4 of 51

PHA Health Intelligence briefings are available on a range of topics

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