What does our data tell us about falls?
# hello my name is...

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Ireland

3,600 hip fractures annually (age 60+)

29%
71%

The average age of a person who breaks their hip is 80

82% of hip fracture patients were admitted from home
10% were admitted from a nursing home or other long stay facility
8% of patients were transferred from another acute hospital
Life is never the same

Adapted from Kanis JA, Johnell O; 1999
Falls

94%

Caused by low energy trauma
HIGHLIGHTS

3,629 HIP FRACTURES IN IRELAND 2016

86%* of hip fracture cases captured on IHFD

6% of patients went straight to theatre from ED

75% had surgery within 48 hours

77% of patients mobilised day of or day after surgery

57% received a bone health assessment

Median length of stay was 12 days

*Percentages shown are representative of the cases entered in IHF in 2016
IRISH HIP FRACTURE STANDARDS

IHFS 1:
percentage of patients admitted to an orthopaedic ward within four hours of first presentation or directly to the theatre from the ED within four hours

IHFS 2:
percentage of patients receiving surgery within 48 hours of first presentation (and within normal working hours)

IHFS 3:
percentage of patients developing a pressure ulcer following admission

IHFS 4:
percentage of patients reviewed by a geriatrician at any point during admission

IHFS 5:
percentage of patients receiving a bone health assessment

IHFS 6:
percentage of patients receiving a specialist falls assessment

Pressure Ulcers to Zero

INCA National Office of Clinical Audit

Irish Hip Fracture Database IHFD
Improvements in hip fracture care

Hospital level reporting

Orthogeriatric services

Hip fracture bypass

Best practice tariff
Low level falls lead to high incidence of major trauma
REPORT HIGHLIGHTS 2016

26 PARTICIPATING HOSPITALS

- Completeness: 74% of MTA cases captured in 2016

PATIENT AGE PROFILE
- 55% of patients were aged between 15 and 64 years

MOST COMMON INJURY LOCATION
- 47% of patients sustained an injury in their own home

MOST COMMON MECHANISM
- 51% of patients had a 'low fall' of less than 2 metres

SURGERY
- 69% of patients who had surgery had surgery on a limb/s

GENDER
- 58% of patients were male
- 42% of patients were female

OUTCOME
- 96% of patients survived

MEDIAN LOS
- Median length of stay was 9 days
Age & Gender of major trauma patients 2016

- 58% Male
- 42% Female

- 5% <15 YEARS
- 9% 15-24 YEARS
- 10% 25-34 YEARS
- 9% 35-44 YEARS
- 11% 45-54 YEARS
- 16% 55-64 YEARS
- 14% 65-74 YEARS
- 16% 75-84 YEARS
- 10% 85+ YEARS

40%
90’s

- Median age 36.1 yrs
- 0-24yrs = 40%
- 60% RTA
- 5% ‘low falls’

Now

- Median age 59 yrs
- >65 yrs = 40%
- 18% RTA
- 51% ‘low falls’
Mechanism of injury by age

![Figure 7A: Mechanism of injury by age band (N=4,426)](chart)

- **Blows**: 17%, 8%, 12%, 22%, 22%, 8%, 4%, 2%, 4%
- **Falls less than 2m**: 37%, 31%, 27%, 22%, 40%, 64%, 61%, 82%, 90%
- **Falls more than 2m**: 23%, 35%, 35%, 26%, 23%, 12%, 14%, 8%, 4%
- **Road trauma**: 10%, 11%, 14%, 20%, 7%, 17%, 4%, 3%, 1%
- **Other**: 10%, 11%, 14%, 20%, 7%, 17%, 4%, 3%, 1%
Location of injury

WHERE WERE THEY INJURED?

Home: 47%
Institution: 4%
Other: 5%
Public area and road: 39%
Industrial: 2%
Farm: 4%
Thank you for listening

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