



## AB184. SOH22ABS015. National hip fracture incidence—past, present and future projections

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**Background:** Hip fractures are a significant source of morbidity and mortality, with occurrences set to increase as our population continues to age. The aim of this study is to determine the current and future incidence of hip fractures in Ireland based on predicted population growth.

**Methods:** A search was performed of the Irish Hip Fracture Database to identify all hip fracture patients, aged over 60, from 2017–2019. Data on the current population, as well as projections up to 2046, were obtained from the Central Statistics Office, so as to determine projected hip fracture incidence in the coming decades.

**Results:** The incidence of hip fractures, in the Irish population aged over 60, was an average of 389.3 per 100,000 from 2017–2019. Annual hip fracture numbers are expected to increase by at least 158.8% by 2046, assuming a stable incidence rate.

**Conclusions:** The age and gender specific incidence of hip fractures in Ireland in those over 60 has remained stable compared to previous years. However, this study projects there will be a significant increase in hip fractures in Ireland

in the coming decades and there will need to be appropriate resource allocation within future healthcare budgets.

**Keywords:** Epidemiology; future projections; hip fracture; incidence; Ireland

### Acknowledgments

*Funding:* None.

### Footnote

*Conflicts of Interest:* The authors have no conflicts of interest to declare.

*Ethical Statement:* The authors are accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

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doi: 10.21037/map-22-ab184

**Cite this abstract as:** Al Azawi L, Hughes A, Queally J. AB184. SOH22ABS015. National hip fracture incidence—past, present and future projections. *Mesentery Peritoneum* 2022;6:AB184.