

Bone & Joint Open



Supplementary Material

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Appendix: Survey Questions

Link to Survey: <https://www.surveymonkey.co.uk/r/6VPZKSR>

- **RESPONDENT and POPULATION CHARACTERISTICS [Demographics]**
 - Specialty [Drop-down w/ 'Other']
 - Country [Drop-down]
 - Healthcare Setting (work location) [Multiple choices possible w/ 'Other' option]
 - Patients - Approximately how many people are admitted to a respondent's institution every year? [Short answer]

- **NON-OPERATIVE MANAGEMENT: NUMBERS**
 - Approximately what proportion (%) of people admitted to your institution with fragility hip fracture **undergo surgery**? (*i.e. 100 means everyone has surgery, 75 means 75% have surgery, 25% don't*). [Short answer]
 - Is this based on systematic audit / data collection or a 'best guess'? [Drop down w/ 'Other']
 - Approximately what proportion (%) of people with fragility hip fracture in your catchment population do you estimate are admitted to your hospital / institution? *Please enter 'not known' if unable to estimate.* [Short answer]

- **NON-OPERATIVE MANAGEMENT: DECISION MAKING**
 - What are the common reasons for deciding **not** to operate on hip fracture patients at your institution? *Please select all that apply.* [Multiple options]
 - Advanced age
 - Family history of hip fracture
 - Socioeconomic status
 - Ability to pay for healthcare
 - Previous hip fracture
 - Insufficient resources at your institution
 - Patient choice
 - Chronic co-morbidity

- Acute co-morbidity
 - If insufficient resources at your institution are a common reason, which of these do you think are important? [5-point Likert Scale - Never, Rarely, Sometimes, Frequently, Always w/ 'Other, please specify' option]
- **SURGICAL FACTORS**
 - Does the pattern of hip fracture affect your decision to not operate? [Single choice, if yes, describe]
- **CHRONIC MEDICAL CONDITIONS: Would any of the following conditions influence the decision to offer non-operative management?**
 - THE PATIENT'S COGNITIVE STATUS (*The definitions of severe / moderate / mild are left to the respondent's clinical discretion*) [Single choice w/ 'Other' option]
 - FRAILITY [Multiple choices possible w/ 'Other' option]
 - CARDIOVASCULAR Disease [Multiple choices possible w/ 'Other' option]
 - MALIGNANCY/CANCER [Single choice w/ 'Other' option]
 - CHRONIC KIDNEY Disease [Single choice w/ 'Other' option]
- **ACUTE MEDICAL CONDITIONS: Would any of the following acute medical conditions influence the decision to offer non-operative management?**
 - COGNITIVE FUNCTION [Single choice w/ 'Other' option]
 - ACUTE KIDNEY INJURY [Single choice w/ 'Other' option]
 - INFECTION [Multiple choices possible w/ 'Other' option]
 - RISK STRATIFICATION TOOLS [Multiple choices possible w/ 'Other' option]
 - LIFE EXPECTANCY [Multiple choices possible w/ 'Other' & 'None of the Above' options]
- **SOCIOECONOMIC FACTORS**
 - Does cost of treatment ever influence the decision to operate? [5-point Likert Scale - Never, Rarely, Sometimes, Frequently, Always]
- **INSTITUTIONAL / SURGEON / ANAESTHETIST FACTORS: Do any of the following influence your decision to operate?**
 - Perceived or actual risk to the institution if the patient were to die? [Binary yes or no]
 - If yes, where would these risks come from? [5-point Likert Scale - Never, Rarely, Sometimes, Frequently, Always w/ 'Other, please specify' option]
 - Perceived or actual risk to an individual clinician if the patient were to die? [Binary yes or no]
 - If yes, where would these risks come from? [5-point Likert Scale - Never, Rarely, Sometimes, Frequently, Always w/ 'Other, please specify' option]
- **DECISION MAKING PROCESSES**
 - In the context of a person with a hip fracture **able to make their own decisions**, how important are the following in deciding whether an operation should be performed [5-point Likert Scale - not at all important, not very important, somewhat important, very important, extremely important]
 - In the context of a person with a hip fracture who is **not able to make their own decisions** (for instance because of confusion), how important are the following in deciding whether

an operation should be performed [5-point Likert Scale - not at all important, not very important, somewhat important, very important, extremely important]

- **Other Comments:** [Short answer]