

NHFD bibliography

2022 annual report references

Anthony C, Malaj M, Lokanathan P, Murgatroyd J, O'Connor P. Crossing quartiles: Improving time to theatre for patients with hip fractures in a large UK district general hospital; A quality improvement report. *Injury* 2021 Nov;52(11):3415-3419.

<https://www.sciencedirect.com/science/article/abs/pii/S0020138321006938> [Accessed March 2022]

Bommireddy L, Leow TW, Gogna R, Clark DI. Should Femoral Shaft fractures in Patients Age Over 60 Years be Managed Using a Hip Fracture Pathway? *Injury* 2021 Jun;52(6):1517-1521.

<https://www.sciencedirect.com/science/article/abs/pii/S0020138320307944> [Accessed March 2022]

Farrow L, Hall AJ, Ablett AD, Johansen A, Myint P. The influence of hospital-level variables on hip fracture outcomes. *Bone Joint Journal* 2021;103-B(10):1627–1632. <https://doi.org/10.1302/0301-620X.103B10.BJJ-2021-0461.R1> [Accessed March 2022]

Fluck B, Yeong K, Lisk R, Watters H, Robin J, Fluck D, et al. Changes in Characteristics and Outcomes of Patients Undergoing Surgery for Hip Fractures Following the Initiation of Orthogeriatric Service: Temporal Trend Analysis. *Calcif Tissue Int* 2022 Feb;110(2):185-195.

<https://link.springer.com/article/10.1007/s00223-021-00906-4> [Accessed March 2022]

Ghobrial M, Vaidya A, Thahir A, Krkovic M. Diagnostic value of full-length femur radiographs in patients with neck of femur fracture and co-existing malignancy. *Eur J Orthop Surg Traumatol* 2022 Jan 27. <https://link.springer.com/article/10.1007/s00590-021-03190-y> [Accessed March 2022]

Ghosh S, Thomas B, D'sa P, John A, Amico GD, Williams R, et al. Patients With Un-Displaced Or Displaced Intra Capsular Proximal Femur Fractures Do Not Represent A Different Patient Group And Have Similar Short And Long Term Mortality. *Injury* 2022 Apr;53(4):1490-1495.

<https://www.sciencedirect.com/science/article/abs/pii/S002013832200016X> [Accessed March 2022]

Goubar A, Martin FC, Potter C, Jones GD, Sackley C, Ayis S, Sheehan K. The 30-day survival and recovery after hip fracture by timing of mobilization and dementia: a UK database study. *Bone Joint Journal* 2021 Jul;103-B(7):1317-1324.

<https://online.boneandjoint.org.uk/doi/epub/10.1302/0301-620X.103B7.BJJ-2020-2349.R1>

[Accessed August 2021]

Goubar A, Ayis S, Beaupre L et al. The impact of the frequency, duration and type of physiotherapy on discharge after hip fracture surgery: a secondary analysis of UK national linked audit data.

Osteoporos Int 2022 Apr;33(4):839-850. <https://doi.org/10.1007/s00198-021-06195-9> [Accessed March 2022]

Gowers B, Greenhalgh MS, McCabe-Robinson OJ, Ong CT, McKay JE, Dyson K, et al. Using Fracture Patterns and Planned Operative Modality to Identify Fractured Neck of Femur Patients at High Risk of Blood Transfusion. *Cureus* 2021 Sep 23;13(9):e18220. <https://www.cureus.com/articles/69938-using-fracture-patterns-and-planned-operative-modality-to-identify-fractured-neck-of-femur-patients-at-high-risk-of-blood-transfusion> [Accessed March 2022]

Gowers BTV, Greenhalgh MS, Dyson K, Iyengar KP, Jain VK, Adam RF. The importance of perioperative optimisation to facilitate safe regional anaesthesia and their improved outcomes in fracture neck of femur patients. *J Perioper Pract* 2021 Dec 27:17504589211064042.

<https://journals.sagepub.com/doi/abs/10.1177/17504589211064042> [Accessed March 2022]

Gray Stephens CE, Ashaye OJ, Ellenbogen TD, Sexton SA, Middleton RG. Dual Mobility hip replacement in hip fractures offer functional equivalence and a stability advantage - A case-controlled study. *Injury* 2021 Oct;52(10):3017-3021.

<https://www.sciencedirect.com/science/article/abs/pii/S0020138321000620> [Accessed March 2022]

Greenhalgh MS, Gowers BTV, Iyengar KP, Adam RF. Blood transfusions and hip fracture mortality - A retrospective cohort study. *J Clin Orthop Trauma* 2021 Jul 19;21:101506.

<https://www.sciencedirect.com/science/article/abs/pii/S0976566221003908> [Accessed March 2022]

Hall A, Clement N, MacLulich A, Ojeda-Thies C, Hoefler C, Brent L, White T, Duckworth A. IMPACT of COVID-19 on hip fracture services: A global survey by the International Multicentre Project Auditing COVID-19 in Trauma & Orthopaedics. *The Surgeon* 2021.

<https://www.sciencedirect.com/science/article/pii/S1479666X21000925> [Accessed June 2022]

Hamid M, Chikhliya A, Gogna A. Improving Secondary Bone Protection Prescription in Patients Admitted With a Femoral Neck Fracture. *Cureus* 2021 Oct 19;13(10):e18883.

<https://www.cureus.com/articles/72301-improving-secondary-bone-protection-prescription-in-patients-admitted-with-a-femoral-neck-fracture> [Accessed March 2022]

Hawley S, Inman I, Gregson CL, Whitehouse M, Johansen A, Judge A. Predictors of returning home after hip fracture: a prospective cohort study using the UK National Hip Fracture Database (NHFD) *Age and Ageing* 2022; 51: 1–11 <https://doi.org/10.1093/ageing/afac131> [Accessed August 2022]

Holleyman R, Khan S, Charlett A, Inman D, Johansen A, Brown C, Barnard S, Fox S, Baker P, Deehan D, Burton P, Gregson C. The Impact of COVID-19 on Mortality After Hip Fracture: A Population Cohort Study From England. *Bone and Joint Journal*. 2022 (in press).

Iyengar KP, Khatir M, Mohamed MKA, et al. Characteristics and clinical outcomes of hip fracture patients during the first lockdown of COVID-19, lessons learnt: A retrospective cohort analysis. *Journal of Perioperative Practice*. 2021;31(12):446-453. doi:10.1177/17504589211026067

<https://journals.sagepub.com/doi/full/10.1177/17504589211026067> [Accessed March 2022]

Johansen A & Inman, D. A view of COVID-19 from the perspective of the National Hip Fracture Database. *The Bone and Joint Journal* 2021; 103-B(6):1007-1008.

<https://online.boneandjoint.org.uk/doi/full/10.1302/0301-620X.103B6.BJJ-2021-0326> [Accessed July 2021]

Malik-Tabassum K, Robertson A, Tadros BJ, Chan G, Crooks M, Buckle C, et al. The effect of the COVID-19 lockdown on the epidemiology of hip fractures in the elderly: a multicentre cohort study. *Ann R Coll Surg Engl* 2021 May;103(5):337-344.

<https://publishing.rcseng.ac.uk/doi/abs/10.1308/rcsann.2020.7071> [Accessed March 2022]

Maling LC, Gray-Stephens CE, Malik-Tabassum K, Weiner OJ, Marples MR, Faria GP, Middleton RG. The National Hip Fracture Database is only as good as the data we feed it - significant inaccuracy demonstrated and how to improve it. *Injury*. 2021 Apr;52(4):894-897.

<https://www.sciencedirect.com/science/article/abs/pii/S0020138320308998> [Accessed July 2021]

McCormack P, Scally A, Radcliffe G. Mortality in hip fractures: Stratifying the risk of operative delay and quantifying the benefit of early mobilisation. *Injury* 2021 Apr;52(4):910-913.

<https://www.sciencedirect.com/science/article/abs/pii/S0020138320308925> [Accessed March 2022]

Menakaya CU, Shah M, Ingoe H, Malhotra R, Mannan A, Boddice T, et al. Modern cemented Furlong hemiarthroplasty: Are dislocations rates better? *J Perioper Pract* 2021 Aug 11:17504589211020674. <https://journals.sagepub.com/doi/abs/10.1177/17504589211020674> [Accessed March 2022]

Okereke IC, Abdelmonem M. Fascia Iliaca Compartment Block for Hip Fractures: Improving Clinical Practice by Audit. *Cureus* 2021 Sep 8;13(9):e17836. <https://www.cureus.com/articles/69296-fascia-iliaca-compartment-block-for-hip-fractures-improving-clinical-practice-by-audit> [Accessed March 2022]

Park C, Sugand K, Aframian A, Morgan C, Pakroo N, Gibbons C, et al. Impact of COVID-19 pandemic on hip fractures: the central London experience COVID-related urgent geriatric hip trauma (COUGH) study COVERT (COVid Emergency-Related Trauma and orthopaedics) collaborative. *Ir J Med Sci* 2021 Jun 28:1-8. <https://link.springer.com/article/10.1007/s11845-021-02687-z> [Accessed March 2022]

Patel R, Judge A, Johansen A, Marques E, Griffin J, Bradshaw M, Drew S, Whale K, Chesser T, Griffin X, Javaid M, Ben-Shlomo Y, Gregson CL. Multiple hospital organisational factors are associated with adverse patient outcomes post-hip fracture in England and Wales: the REDUCE record-linkage cohort study. *Age and Ageing* 2022 Aug;51(8). <https://academic.oup.com/ageing/article/51/8/afac183/6679179> [Accessed August 2022]

Patel R, Bhimjiyani A, Ben-Shlomo Y, Gregson CL. Social deprivation predicts adverse health outcomes after hospital admission with hip fracture in England. *Osteoporos Int* 2021 Jun;32(6):1129-1141. <https://link.springer.com/article/10.1007/s00198-020-05768-4> [Accessed March 2022]

Patel R, Drew S, Johansen A, et al. REDucing unwarranted variation in the Delivery of high qUality hip fraCture services in England and Wales (REDUCE): protocol for a mixed-methods study. *BMJ Open* 2021 May 19;11(5):e049763-2021-049763. <https://bmjopen.bmj.com/content/bmjopen/11/5/e049763.full.pdf> [Accessed March 2022]

Pradhan A, Aboelmagd T, Richardson L, Olivarius-McAllister J, Ralhan S, Deakin M. Outcomes for non-operatively managed fracture neck of femur patients: A single-institution study. *Injury* 2022 Feb;53(2):626-630. <https://www.sciencedirect.com/science/article/abs/pii/S0020138321009128> [Accessed March 2022]

Shabani F, Tsinaslanidis G, Thimmaiah R, Khatak M, Shenoy P, Oforha B, et al. Effect of institution volume on mortality and outcomes in osteoporotic hip fracture care. *Osteoporos Int* 2022 Jan 8. <https://link.springer.com/article/10.1007/s00198-021-06249-y> [Accessed March 2022]

Shah A, Matharu GS, Inman D, Fagan E, Johansen A, Judge A. Variation in timely surgery for hip fracture by day and time of presentation: a nationwide prospective cohort study from the National Hip Fracture Database for England, Wales and Northern Ireland. *BMJ Qual Saf* 2021 Jul;30(7):559-566. <https://qualitysafety.bmj.com/content/30/7/559.abstract> [Accessed March 2022]

Shah A, Hawley S, Inman DS, Cooper C, Fagan E, Johansen A, et al. Geographical variation in surgical care and mortality following hip fracture in England: a cohort study using the National Hip Fracture Database (NHFD). *Osteoporos Int* 2021 Oct;32(10):1989-1998. <https://link.springer.com/article/10.1007/s00198-021-05922-6> [Accessed March 2022]

Sheehan KJ, Goubar A, Martin FC et al. Discharge after hip fracture surgery in relation to mobilisation timing by patient characteristics: linked secondary analysis of the UK National Hip Fracture Database. *BMC Geriatr* 2021 Dec 15;21(1):694-021-02624-w <https://doi.org/10.1186/s12877-021-02624-w> [Accessed March 2022]

Sheikh HQ, Alnahhal A, Aqil A, Hossain FS. Length of hospital stay following hip fracture and risk of 30 and 90 day mortality in a United Kingdom cohort. *Acta Orthop Belg* 2021 Dec;87(4):607-617. <http://actaorthopaedica.be/assets/3177/05-Sheikh.pdf> [Accessed March 2022]

Studnicka KJ, Kumar G. Total hip replacement for displaced intracapsular neck of femur fracture. Are current guidelines appropriate for all patients? Five-year retrospective analysis of 315 cases. *Injury* 2021 Oct;52(10):3011-3016. https://www.sciencedirect.com/science/article/pii/S0020138321000796?dgcid=rss_sd_all [Accessed June 2022]

Tyas B, Lukic J, Harrison J, Singiseti K. A comparative study of hip fracture care and outcomes in major trauma centres versus trauma units. *Injury* 2022 Apr;53(4):1455-1458. <https://www.sciencedirect.com/science/article/pii/S0020138322001206> [Accessed March 2022]

Tyas B, Wilkinson M, Singiseti K. Effect of Covid-19 on best practice care of hip fracture patients: An analysis from the National Hip Fracture Database (NHFD). *Surgeon* 2021 Oct;19(5):e298-e303. <https://www.sciencedirect.com/science/article/pii/S1479666X2100024X> [Accessed March 2022]

Waterman JL, Jayaraju U, Nadimi JK, Morgan D. Impact of COVID-19 on Key Performance Indicators of the National Hip Fracture Database and the Management of Hip Fracture Patients. *Cureus* 2021 Dec 21;13(12):e20575. <https://www.cureus.com/articles/75846-impact-of-covid-19-on-key-performance-indicators-of-the-national-hip-fracture-database-and-the-management-of-hip-fracture-patients> [Accessed March 2022]

Publications based on National Hip Fracture Database (NHFD) work

Bhimjiyani A, Neuburger J, Jones T, Ben-Shlomo, Y. and Gregson C L, 2018. The effect of social deprivation on hip fracture incidence in England has not changed over 14 years: an analysis of the English Hospital Episodes Statistics (2001–2015). *Osteoporosis international*, 29(1), pp.115-124. <https://link.springer.com/article/10.1007/s00198-017-4238-2> [Accessed July 2020]

Boulton C, Wakeman R. Lessons from the National Hip Fracture Database. *Orthopaedics and Trauma* 2016;4,30(2):123–7 <https://linkinghub.elsevier.com/retrieve/pii/S1877132716300306> [Accessed July 2020]

Boulton C, Burgon V, Johansen A, Martin S F, Rai R, Stanley R, Wakeman R. Delivering "Best Practice" for patients with hip fracture – Does orthogeriatrician engagement with national clinical audit data improve performance? *Age and Ageing* 2017;46, Issue suppl_1, 1, i32–i34, https://academic.oup.com/ageing/article/46/suppl_1/i32/3828959 [Accessed July 2020]

Griffiths R, White SM, Moppett IK et al. Safety guideline: reducing the risk from cemented hemiarthroplasty for hip fracture 2015. Association of Anaesthetists of Great Britain and Ireland British Orthopaedic Association British Geriatrics Society. *Anaesthesia* 2015;70:623–6. <http://doi.org/10.1111/anae.13036> [Accessed July 2020]

Griffin XL, Parsons N, Achten J, Fernandez M, Costa ML. Recovery of health-related quality of life in a United Kingdom hip fracture population. The Warwick Hip Trauma Evaluation – a prospective cohort study. *The Bone & Joint Journal* 2015;97-B:372–82. <http://doi.org/10.1302/0301-620X.97B3.35738> [Accessed July 2020]

Griffin XL, Achten J, Parsons N, Costa ML. Does performance-based remuneration improve outcomes in the treatment of hip fracture? Results from the WHITE multicentre hip fracture cohort. *The Bone & Joint Journal* 2021, 103-B(5):881-887. <https://online.boneandjoint.org.uk/doi/pdf/10.1302/0301-620X.103B5.BJJ-2020-1839.R1> [Accessed August 2021].

Johansen A, Boulton C, Neuburger J. Diurnal and seasonal patterns in presentations with hip fracture-data from the national hip fracture database. *Age and Ageing* 2016;45(6):883–6 <https://www.ncbi.nlm.nih.gov/pubmed/27496916> [Accessed July 2020]

Johansen A, Boulton C. Hip fracture presentations are less frequent at weekends. *Injury: International Journal of the Care of the Injured* 2017; 48(12):2885–6. [https://www.injuryjournal.com/article/S0020-1383\(17\)30702-7/fulltext](https://www.injuryjournal.com/article/S0020-1383(17)30702-7/fulltext) [Accessed July 2020]

Johansen A, Tsang C, Boulton C, Wakeman R, Moppett I. Understanding mortality rates after hip fracture repair using ASA physical status in the National Hip Fracture Database. *Anaesthesia* 2017. <http://onlinelibrary.wiley.com/doi/10.1111/anae.13908/full> [Accessed July 2020]

Johansen A, Boulton C, Burgon V, Rai S, Ten Hove R, Wakeman R. Using the National Hip Fracture Database (NHFD) to define the impact of physiotherapist assessment on early mobilisation after hip fracture. *Physiotherapy Journal* 2017;103(1),e85 [https://www.physiotherapyjournal.com/article/S0031-9406\(17\)30170-0/abstract](https://www.physiotherapyjournal.com/article/S0031-9406(17)30170-0/abstract) [Accessed July 2020]

2020]

Johansen A, Boulton C, Hertz K, Ellis M, Burgon V, Rai S, Wakeman R. The National Hip Fracture Database (NHFD) – Using a national clinical audit to raise standards of nursing care. The International Journal of Orthopaedic and Trauma Nursing 2017;26:3–6
[http://www.orthopaedictraumanursing.com/article/S1878-1241\(17\)30002-3/fulltext](http://www.orthopaedictraumanursing.com/article/S1878-1241(17)30002-3/fulltext) [Accessed July 2020]

Johansen A, Boulton C, Burgon V, Rai S, Wakeman R. Avoiding delay in surgery for hip fracture: Using the national hip fracture database (NHFD) to monitor and improve compliance with the national guidelines. Age and Ageing 2017;46,issue suppl_1, 1,i32–i34
https://academic.oup.com/ageing/article-abstract/46/suppl_1/i32/3828960?redirectedFrom=fulltext [Accessed July 2020]

Johansen A, Boulton C, Burgon V, Rai S, Wakeman R. Cognitive impairment - Profiling its implications for patients with hip fracture. Age and Ageing 2017;46,suppl_2, 1:ii1–ii6
https://academic.oup.com/ageing/article/46/suppl_2/ii1/3950210 [Accessed July 2020]

McGovern PD, Albrecht M G, Belani K, Nachtsheim C, Partington PF, Carluke I and Reed M R, 2011. Forced-air warming and ultra-clean ventilation do not mix: an investigation of theatre ventilation, patient warming and joint replacement infection in orthopaedics. The Journal of bone and joint surgery. British volume, 93(11), pp.1537-1544. <https://www.ncbi.nlm.nih.gov/pubmed/22058308> [Accessed July 2020]

McKee M, Bray B, Buckingham R, Boulton C. The weekend effect: now you see it, now you don't (letter). BMJ (Clinical Research Ed.) 2016;353:i2750
<https://www.bmj.com/content/353/bmj.i2750.long> [Accessed July 2020]

Neuburger J, Currie C, Wakeman R et al. The impact of a national clinician-led audit initiative on care and mortality after hip fracture in England: an external evaluation using time trends in non audit data. Med Care 2015; 53:686–91. www.ncbi.nlm.nih.gov/pubmed/26172938 [Accessed July 2020]

Neuburger J, Currie C, Wakeman R, et al. Increased orthogeriatrician involvement in hip fracture care and its impact on mortality in England. Age and Ageing 2017;46(2):187–192.
<https://doi.org/10.1093/ageing/afw201> [Accessed July 2020]

Neuburger J, Currie C, Wakeman R, et al. Safe working in a 7-day service. Experience of hip fracture care as documented by the UK National Hip Fracture Database. Age and Ageing 2018 Sep 1;47(5):741–5. <https://doi.org/10.1093/ageing/afy074> [Accessed July 2020]

Perry DC, Metcalfe D, Griffin XL, Costa ML. Inequalities in use of total hip arthroplasty for hip fracture: population based study. BMJ 2016; 353:i2021. <http://dx.doi.org/10.1136/bmj.i2021> [Accessed July 2020]

Sayers A, Whitehouse MR, Berstock JR et al. The association between the day of the week of milestones in the care pathway of patients with hip fracture and 30-day mortality: findings from a prospective national registry – The National Hip Fracture Database of England and Wales. BMC Medicine 2017;15:62. <http://bmcmmedicine.biomedcentral.com/articles/10.1186/s12916-017-0825-5> [Accessed July 2020]

Sheehan KJ, Goubar A, Almilaji O, Martin FC et al. Discharge after hip fracture surgery by mobilisation timing: secondary analysis of the UK National Hip Fracture Database. *Age and Ageing*. afaa204. <https://doi.org/10.1093/ageing/afaa204> [Accessed November 2020]

Sims A L, Parsons N, Achten J, Griffin XL, Costa ML, Reed M R and CORNET Trainee Collaborative, 2018. A randomized controlled trial comparing the Thompson hemiarthroplasty with the Exeter polished tapered stem and Unirx modular head in the treatment of displaced intracapsular fractures of the hip: the WHiTE 3: HEMI Trial. *Bone Joint Journal*, 100(3), pp.352-360. <https://www.ncbi.nlm.nih.gov/pubmed/29589786> [Accessed July 2020]

Stewart K, Bray B, Buckingham R, Boulton C. The weekend effect: now you see it, now you don't. Variations in care quality occur across the whole week, not just at weekends. *British Medical Journal* 2016;7;353 <https://www.bmj.com/content/353/bmj.i3151.long> [Accessed July 2020]

Taranu R, Redclift C, Williams P, Diament M, Tate A, Maddox J, Wilson F and Eardley W, 2018. Use of anticoagulants remains a significant threat to timely hip fracture surgery. *Geriatric orthopaedic surgery & rehabilitation*, 9, p.2151459318764150. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5871052/> [Accessed July 2020]

Thorne K, Johansen A, Akbari A, Williams J.G. and Roberts S.E, 2016. The impact of social deprivation on mortality following hip fracture in England and Wales: a record linkage study. *Osteoporosis International*, 27(9), pp.2727-2737. <https://link.springer.com/article/10.1007/s00198-016-3608-5> [Accessed July 2020]

Tsang C, Boulton C, Burgon V, Johansen A, Wakeman R, Cromwell D. Predicting 30-day mortality after hip fracture surgery evaluation of the National Hip Fracture Database case-mix adjustment model. *The British Editorial Society of Bone & Joint Surgery* 2017;6:550–6. <https://online.boneandjoint.org.uk/doi/full/10.1302/2046-3758.69.BJR-2017-0020.R1> [Accessed July 2020]

Whitehouse MR, Berstock JR, Kelly MB, Gregson CL, Judge A, Sayers A and Chesser TJ., 2019. Higher 30-day mortality associated with the use of intramedullary nails compared with sliding hip screws for the treatment of trochanteric hip fractures: a prospective national registry study. *Bone Joint Journal*, 101(1), pp.83-91. <https://www.ncbi.nlm.nih.gov/pubmed/30601043> [Accessed July 2020]

Wilson H, Boulton C, Burgon V, Johansen A, Neuburger J, Rai S, Wakeman R. Using the national hip fracture database to develop a classification of models of orthogeriatric care. *Age and Ageing* 2017;46, Issue suppl_1, 1,i1–i22 https://academic.oup.com/ageing/article/46/suppl_1/i1/3828842 [Accessed July 2020]

External papers referenced in NHFD publications

Abbey J, Piller N, Bellis AD et al. The Abbey pain scale: a 1-minute numerical indicator for people with end-stage dementia. *Int J Palliat Nurs* 2004;10(1):6–13.

<https://www.ncbi.nlm.nih.gov/pubmed/14966439> [Accessed July 2020]

Accelerated surgery versus standard care in hip fracture (HIP ATTACK): an international, randomised, controlled trial. *Lancet* 2020; 395: i10225:698-708.

[www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)30058-1/fulltext#%20](http://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30058-1/fulltext#%20) [Accessed July 2020]

Barodawala S, Kesavan S, Young J. A survey of physiotherapy and occupational therapy provision in UK nursing homes. *Clin Rehabil* 2001;15(6):607–10. <https://doi.org/10.1191/0269215501cr454oa> [Accessed July 2020]

Bellelli et al. Validation of the 4AT, a new instrument for rapid delirium screening: a study in 234 hospitalised older people. *Age Ageing* 2014;43(4):496-502.

<https://doi.org/10.1093/ageing/afu181> [Accessed July 2020]

Bottle, A., Griffiths, R., White, S., Wynn-Jones, H., Aylin, P., Moppett, I., Chowdhury, E., Wilson, H. & Davies, B. M. 2020. Periprosthetic fractures: the next fragility fracture epidemic? A national observational study. *BMJ Open*, 10, e042371.)

<https://bmjopen.bmj.com/content/bmjopen/10/12/e042371.full.pdf> [Accessed July 2021]

COVID BOAST - Management of patients with urgent orthopaedic conditions and trauma during the coronavirus pandemic. Last updated January 2021.

<https://www.boa.ac.uk/uploads/assets/782e0b20-f9ce-4fc9-819f943740161405/201ebd61-5828-4c81-b45a8b80ac47fd50/COVID-19-BOASTs-Combined-v3FINAL.pdf> [Accessed July 2021]

Diament et al. “Early trigger” intravenous vitamin K: optimizing target-driven care in warfarinised patients with hip fracture. *Geriatric Orthopaedic Surgery & Rehabilitation* 2015; (6):263-268.

<https://journals.sagepub.com/doi/10.1177/2151458515595669> [Accessed July 2020]

Farrow L, Ablett AD, Sargeant HW, Smith TO, Johnston AT. Does early surgery improve outcomes for periprosthetic fractures of the hip and knee? A systematic review and meta-analysis. *Archives of Orthopaedic and Trauma Surgery*. 2021 Aug;141(8):1393-1400.

<https://link.springer.com/article/10.1007/s00402-020-03739-2> [Accessed July 2021]

Getting It Right First Time: Orthopaedic hemiarthroplasty products and Primary Femoral component dataset

Supplied exclusively to the National Hip Fracture Database - HQIP/RCP Falls & Fragility Fracture Audit Programme (FFFAP).

Hip Fracture Evaluation with Alternatives of Total Hip Arthroplasty versus Hemi-Arthroplasty (HEALTH) Investigators. Total hip arthroplasty or hemiarthroplasty for hip fracture. *New England Journal of Medicine* 381.23 (2019): 2199-2208. [Accessed July 2021]

Jones S, Johansen A, Brennan JA, et al. The effect of socioeconomic deprivation on fracture incidence in the United Kingdom. *Osteoporos Int* 2004;15:520–524. DOI 10.1007/s00198-003-1564-3.

<https://link.springer.com/article/10.1007/s00198-003-1564-3> [Accessed March 2022]

Judge A, Metcalfe D, Whitehouse MR, et al. How should the HEALTH trial inform clinical guidelines and surgical decision-making? *Bone and Joint Journal* 2020; 102-b (6)

<https://online.boneandjoint.org.uk/doi/abs/10.1302/0301-620X.102B6.BJJ-2020-0101.R1> [Accessed July 2020]

Leal J, Gray AM, Javaid MK et al. Impact of hip fracture on hospital care costs: a population-based study. *Osteoporos Int* 2016;27:549–58. <https://link.springer.com/article/10.1007/s00198-015-3277-9> [Accessed July 2020]

Lisk et al. Associations of 4AT with mobility, length of stay and mortality in hospital and discharge destination among patients admitted with hip fractures. *Age Ageing* 2020; 49: i3:411-417 <https://pubmed.ncbi.nlm.nih.gov/31813951/> [Accessed July 2020]

Marcantonio ER, Flacker JM, Wright RJ. et al. Reducing delirium after hip fracture: a randomized trial. *J AM Geriatr Soc.*2001; 49(5):516-22 <https://doi.org/10.1046/j.1532-5415.2001.49108.x> [Accessed July 2020]

Melling AC, Ali B, Scott EM and Leaper DJ, 2001. Effects of preoperative warming on the incidence of wound infection after clean surgery: a randomised controlled trial. *The Lancet*, 358(9285), pp.876-880. <https://www.ncbi.nlm.nih.gov/pubmed/11567703> [Accessed July 2020]

Neuburger J, Currie C, Wakeman R, et al. Increased orthogeriatrician involvement in hip fracture care and its impact on mortality in England. *Age and Ageing* 2017;46(2):187–192. <https://doi.org/10.1093/ageing/afw201> [Accessed July 2021]

NICE National Institute for Health and Care Excellence. Clinical guideline CG124. Hip fracture: management. London: NICE, 2017. www.nice.org.uk/Guidance/CG124 [Accessed July 2020]

NICE National Institute for Health and Care Excellence. Quality Standard QS16. Hip fracture in adults. London: NICE, 2017. www.nice.org.uk/Guidance/QS16 [Accessed July 2020]

NHS England and NHS Improvement. Ref: 2017/18 and 2018/19 National Tariff Payment System: a consultation notice. Annex B6 Guidance on Best Practice Tariffs. London: NHS Improvement, 2016. <https://improvement.nhs.uk/resources/national-tariff-1920-consultation/> [Accessed July 2020]

Papanicolas I, Riley K, Abiona O et al. Differences in health outcomes for high-need high-cost patients across high-income countries. *Health Serv Res.* 2021; 56(Suppl. 3): 1347- 1357. <https://onlinelibrary.wiley.com/doi/full/10.1111/1475-6773.13735> [Accessed March 2022]

Royal College of Physicians, British Geriatrics Society and British Pain Society. The assessment of pain in older people: national guidelines. Concise guidance to good practice series, No 8. London: RCP, 2007. https://www.britishpainsociety.org/static/uploads/resources/files/book_pain_older_people.pdf [Accessed July 2020]

Salkeld G, Ameratunga SN, Cameron ID et al. Quality of life related to fear of falling and hip fracture in older women: a time trade off study. *BMJ* 2000; 320(7231):341–6. <https://www.ncbi.nlm.nih.gov/pubmed/10657327> [Accessed July 2020]

Studnicka KJ, Kumar G. Total hip replacement for displaced intracapsular neck of femur fracture. Are current guidelines appropriate for all patients? Five-year retrospective analysis of 315 cases. *Injury* 2021 Oct;52(10):3011-3016. <https://pubmed.ncbi.nlm.nih.gov/33612253/> [Accessed March 2022]

2022]

Tsang C, Boulton C, Burgon V et al. Predicting 30-day mortality after hip fracture surgery evaluation of the National Hip Fracture Database case-mix adjustment model. *Bone & Joint Research* 2017; 6 (9): 550–6. <https://online.boneandjoint.org.uk/doi/full/10.1302/2046-3758.69.BJR-2017-0020.R1> [Accessed July 2020]

Total Hip Arthroplasty or Hemiarthroplasty for Hip Fracture. *N Engl J Med* 2019; 381:2199-2208. <https://www.nejm.org/doi/full/10.1056/NEJMoa1906190> [Accessed July 2021]

Whitehouse MR, Berstock JR, Kelly MB et al. Higher 30-day mortality associated with the use of intramedullary nails compared with sliding hip screws for the treatment of trochanteric hip fractures: a prospective national registry study. *Bone Joint Journal* 2019; 101(1): 83-91. <https://www.ncbi.nlm.nih.gov/pubmed/30601043> [Accessed July 2020]

World Hip Trauma Evaluation - FRUITI: Fix or Replace Undisplaced Intracapsular fractures Trial of Interventions (WHITE 11 – FRUITI) <https://www.ndorms.ox.ac.uk/clinical-trials/current-trials-and-studies/fruiti> [Accessed July 2021]