PSP Name	Total number of verified uncertainties identified by the PSP	Uncertainty	Explanatory note	Explanatory note	Date of the priority setting workshop	Rank of the uncertainty at the final workshop	Evidence	Evidence	Health Research Classification System
Broken Bones of the Upper Limb in People Over 50	50	What are the most important outcomes after on upper lamb factors in papel; one 50 and per lamb factors in papel; one 50 effects? (e.g., then for bone to lead,) return to normal activities / (time to achieve a good recovery / cometic appearance)	This was a combination of two indicative questions that was formed at the 'final West-bap'. 1. What are the most important outcomes after an upper limb fracture (leg, time for the bone to heal / return to normal activities; first to active a good recover/, cornetic appearance). 2. What physical, purphosiped and financial effects do upper limb fractures have on people over 50 and their families?	Upper limb fractures can have a significant impact on a parent? 186. From a physical, psychological and financial parent? 186. From a physical psychological and financial before the parent of the parent of the parent of the parent of the brasility flow arm in the main printing of finantimest, bowers, the six and aways possible. Now doe we play whether a patient's treatment has been successful? This questions aims to determine and the most memory trapects of a patient's recovery are. Uncertainties included whether patients would achieve their gas whether the memory production grade of a patient of a contract how it would impact on them financially. It also included whether there were any factors we could use to predict these outcomes.	03/12/2018	1	Japakumar, P., et al.; The use of computer adaptive texts in outcome assessments following upper limit prauma: A SYSTMANTIC RIVING. Trauma: A SYSTMANTIC RIVING. The Bone & Jost Doronal Issuer Volume; 1008(6), here 2018, p. 699-702	Janukumar P, Williams M, Bing D, Lamb, S, Grafym S, Bystemstir Review of Decision Measures Assessing Dabblilly, Tolkinder Decision State of The Aced Orthop Sear Glob Res. Res. 26th Orthop Sear Glob Res. Res. 26th 10 5435/	
Broken Bones of the Upper Limb in People Over SO	so	What type of information should patients over 50 with an upper limb fracture be given and how should this be provided? (e.g. nutrition, pain relief, rehallation, return to work, driving, sport / exercise)		Information is crucial in enabling a patient to engage in their treatment and recovery after an upper lends fracture. However, and the second doct to last of information lead to poorer outcome? Should his information lead anderdeded across the shall system? Uncertainties related to weight bearing pain relief, beneficial and detrimental activities, individuo, reservice, driving, sport, and work.	03/12/2018	2	National Institute for Health and Care Excellence Fractures (non-comoles): assessment and management (NG38), London: NKCE, 2016.	The British Society of Surgery for the thand. Best Practice for management of. Distal Radius Fractures (DRFs). BSSM, 2018	
Broken Bones of the Upper Limb in People Over 50	SO SO	What is the best physical enhabilitation programme for people over 50 with a support that for facture fuller between 18 to MOLONGER needs to be kept still?		habibilitation is important to ensure a patient as heves their best possible outcome following an upper limb first ture. However, we do not how what the ideal rehabilitation programme should be once a patient is allowed to start moving or important programme should be once a patient is allowed to start moving or important programme should be more a patient in allowed to start moving or important programme. Allowed has been also profit in the prof	03/12/2018	3	Handoll H & Brorson, 5, Interventions for treating proximal humeral fractures in adults. Cockman. Systematic Revue. Intervention, Systematic Revue. Intervention, Systematic Revue. Intervention 2015.	standed HHG & Elliert J. Rehabilitation. For distal radial fractures in adults. Cockrain Datases of Systematic. Reviews 2015, Issue 2	
Broken Bones of the Upper Limb in People Over 50	50	In people over 50, what it the patient experience of an upper limb fracture management and how does it influence outcomes?		Sustaining an upper limb fracture is a traumatic experience for all people. Respondents commented on how different supects of their injury and subsequent management (both good and bad) influenced their outcome. This question looks to determine whether different supect of a patient; treatment influences whether different supect of a patient; treatment influences to the superior of the superior of the superior of the substaint, communication; statisfaction with treating discitant, waiting times; level of emotional care and timing of discharge from the service.	03/12/2018	4	Gordon, L, et al.; The patient seperience in the emergency department. A systematic synthesis of gualitative research. International Emergency Nursing: Volume 18. Issue. 2. April 2010, Pages 80-88	Sped, K., et al.; Factors Determining Wait- Time and Patient Satisfaction at Post. Operative Orthopseds (*Follow-Up, Open Journal of Medical Psychology, 2013. 2, 47-53	
Broken Bones of the Upper Limb in People Over 50	50	What is the best alternative to medication / drugs to manage pain following an upper limb fracture in people over 50? (e.g. splints / casts / lining the fracture back up / ice)?		Sostaining an upper limb fracture and its subsequent management can be a very painful experience. We normally use medications to help control this pain but here are other way: that we can control pain at different stages of a patient's treatment. This question looks to determine what the best way are to reduce acute and chronic pain that does not involve medications. Uncertainties included questions about casting- uing slings; and immobilisation of the fracture.	03/12/2018	5	Johnson MI, Paley CA, Howe TE, Slula KA: Transcutaneous electrical nerve- glimulation for acute pain. Conten Database of Systematic Reviews 2015, Issue 6.	Green S. Buchbinder R. Hetrick SE. Acupuncture for shoulder pain. Oschrane Database of Systematic Beviews 2005. Issue 2	
Broken Bones of the Upper Limb in People Over 50	50	What is the best physical rehabilitation programme for people over 50 with an upper limb fracture (with or without surgery) whilst it needs to be kept still (e.g. in a cast or sling)?		Rehabilitation is important to ensure a patient achieves their best possible outcome following an upper limb fracture. There is often a period of inem that patients are not allowed to move their layer and the properties of the	03/12/2018	6	Nash CE, Miclan SM, Del Mar CB, Glassiou PR. Restine julipred limbs delays recovery a systematic melo- journal of Family Practice 2004; 53(9): 236-712	Handoll HHG & Elliott J; Rehabilitation for distal radial fractures in adults. Cochrane Database of Systematic, Reviews 2015, Issue 9	
Broken Bones of the Upper Limb in People Over 50	so	Which are the most important factors which decide whether a patient over 50 with an upper limb fracture is treated with or without surgery?		As upon timb fracture can be managed with or without an operation. There are many factors that can help doctors and particles doctors and the second of the control of the	03/12/2018	7	National Institute for Health and Care Excellence. Fractures (non-complex): assessment and management (NGSB). London: NCC, 2016.	The British Society of Surgery for the trand. Best Practice for management of. Distal Radius Fractures (DRFs). BSSM. 2018	
Broken Bones of the Upper Limb in People Over 50	50	What is the best surgical management for an upper limb fracture in people over 50? (e.g. incision, technique, metalwork, technology)		Some patients who have broken their arm will require an operation to help the bone heat. This question looks to determine what it has feed any that we operate on specific upper limb fractures to optimise recovery and prevent complications, used is lengtherm pain. Internatives focused on the method of lincision and surgery, the type of metalvork used; and whether we can be techniciply of primore usingstall techniques (such as using 30 printing or virtual surgery).	03/12/2018	8	National institute for Health and Care Excellence Fractures (non-complex): assessment and management (NG38). London: NICE 2016.	The British Society of Surgery for the Hand, Best Practice for management of Distal Radius Fractures (DRFs), BSSH, 2018	
Broken Bones of the Upper Limb in People Over 50	50	What is the best way of treating people over 50 who are at risk of developing psychological issues following an upper limb fracture?		Breaking a bone in the arm can lead to a patient developing psychological issues such as far of failing. This question bods to determine what his best way to manage these issues throughout a patient's treatment.	03/12/2018	9	Visser, E., et al.; The course, prediction and treatment of acute and post-traumatic stress in trauma patients are supported by the support of the support o	Goodle S. Divon D. McMillan G. et al.: Lius of a Psychological Workbook Associated With Improved Disabilities of the Arm, Shoulder and Hand Score Patients With Distal Radius Fracture? Clin Orthop Relat Res. 2018 Apr;476(4):832- 845	
Broken Bones of the Upper Limb in People Over 50	50	For people over 50, how well does a wrist fracture need to be reduced (put back into list normal position) to ensure a good long-term functional outcome?		Insuring a patient achieves a good level of function after they break their wirst is essential. When a patient break their wirst, we try to put it back into the same position as it was before it as orders. The question looks to determine 16% is increasing and orders. The question looks to determine 16% is increasing if if their bones to do not like up perfectly? Can we cause more damage by trying to put the bones back into place?	03/12/2018	10	The British Society of Surgery for the Hand, Best Practice for management of Distal Radius Fractures (DRFs). 8554, 2018	Midders MAM: Detering R. RIMI DA. Rosenwasser MP: Gotlings JC. Schep. IVM: Association Retween Radiological and Pattern Reported Outcome in May With a Displaced Distal Radius Fracture With A June 18 June 19	
Broken Bones of the Upper Limb in People Over 50	50	What is the best way to manage an upper limb fracture in people over 50 that does not need surgery?		Some patients who break their arm do not need an operation. There are a variety of woys that a patient can be managed without an operation. This question looks to determine what is the best ways to treat upper limb fractures that do not need surgerly Uncertainties included diming of immobilisation, best type of cast/splind/sing; and preventing complications.	03/12/2018	11	Handoll H & Brorson, S; Interventions for treating proximal humeral fractures in adults. Cochrane Systematic Review - Intervention yersion published: 11 November 2015	Handoll HHG. Madhok R: Conservative. Interventions for treating distal radial fractures in adults. Cochrane Database of Systematic Reviews 2003, Issue 2	
Broken Bones of the Upper Limb in People Over 50	50	Does a delay in physical rehabilitation of an upper limb fracture in people over 50 affect outcomes?		Rehabilitation is important to ensure a patient achieves their best possible outcome following an upper limb fracture. Sometimes patient are not able to start this rehabilitation immediately due to factors such as physiotherapy waiting times. This question looks to determine if the delay in starting rehabilitation leads to poorer outcomes for these patients.	03/12/2018	12	Harding P, Rasekaba T, Smirneos L, Holland AE: Early mobilisation for elbow fractures in adults. Cochrane Database of Systematic Reviews 2011. Issue 6	Nash CE, Mickan SM, Del Mar CB, Silaxticu PR. Resting inlured limbs delays, recovery: a systematic review. Journal of Earnily Practice 2004; 53(9): 706-712	
Broken Bones of the Upper Limb in People Over 50	50	When is the best time to operate on an upper limb fracture in people over 50 and does a delay in surgery influence outcomes?		Some upper limb fractures require an operation, however, we do not know what is the best time to perform this surgery to ensure a patient has the best chance of full recovery. There can be many reasons why this surgery can be delayed but does this delay lead to a patient having a worse recovery?	03/12/2018	13	National Institute for Health and Care Excellence, Fractures (non-complex); assessment and management (NG38), London: NICE, 2016.	The British Society of Surgery for the Hand. Best Practice for management of Distal Radius Fractures (DRFs), BSSH, 2018	
Broken Bones of the Upper Limb in People Over SO	50	Does when, how and who manipulates an upper limb fracture (returns the fractured bone to its normal position) influence outcome in people over 307		Current management of an upper limb fracture line/less patting the bone lacks into their normal positions. This is normally made as soon as possible in the emergency department by a variety of medical professionals. This question looks to determine if a patient recovery changes depending on who puts the bones back into place; how they do it and when it is upon the bones back into place; how they do it and when it is considered when the place is the place between the patient in a travarial colorist cather than in the emergency department? Could we use of colorist cather than the place is the patient of the professional patients of the patients of	03/12/2018	14	National Institute for Health and Care Excellence Tractures (non-complex): assessment and management (NGSB). London: NICE, 2016.	Handell HHG, Madhok R; Closed reduction methods for treating distal radial fractures in adults. Cochrane. Database of Systematic Reviews 2003.	

Broken Bones of the Upper Limb in People Over 50	50	Does the way in which rehabilitation is delivered (e.g. individual sessions, group sessions, hydrotherapy) to people over 50 with an upper limb fracture affect outcomes?	Redublisation is important to ensure a patient advisers their being possible outcome following an upper limb factore. However, does the vary well-ther thin of the con- lection of the convey for patient? This question looks to determine the best very to deliver rebuilbilliation to patient to optimize that recovery, incorparatele included individual versus group of the convey incorparatele included individual versus group described in the convey incorparatele included individual versus group of their recovery, incorparatele included individual versus group of their recovery incorparatele included individual versus group of their versus of their versus group of their versus of former control in the convey included and their versus group of their versus of patients and their versus of patients versus of home exercises programmes; use of paper leaflests versus online declor versus applied and their of other forms of residualisation such as Plates.	03/12/2018	15	Bruder AM. Shidin, N. Dodd Ki., et al.,	standel HHG & Illiest J. Rehabilitation for distal radial fracture in adults. Cochrane Database of Systematic Reviews 2015, Issue 9	
Broken Bones of the Upper Limb in People Over 50	50	What are the best pain-relieving drugs to use at each phase of treatment of an upper limb fracture in people over 50?	Sustaining an upper limb fracture and its subsequent management can be a very painful experience. Medications can help control this pain at each stage of treatment. This question looks to determine what it the best type and amount of pain medication to give a patient and the best way to give it to optimise a patient's pain relief at each stage of treatment.	03/12/2018	16	National institute for Health and Care Excellence Fractures (non-complex): assessment and management (NG38). London: NICE, 2016.	The British Society of Surgery for the Hand. Best Practice for management of Distal Radius Fractures (DRFs). BSSH, 2018	
Broken Bones of the Upper Limb in People Over 50	50	Can we predict who will do well with rehabilitation after an upper limb fracture in people over 50?	Rehabilitation is important to ensure a patient achieves their best possible outcome following an upper limb fracture. However, it aboutsely necessary for all patients? This question looks to determine if we can tell she wall and won't benefit from physiother apy following their fracture? This could depend on a large number of factors, such as the type of fracture they have.	03/12/2018	17	Truong JL, Doherty C & Suh N; The Effect of Socioeconomic Factors on Outcomes of Distal Radius Factures: A Systematic Review Hard (New York, N.Y.), Sep 2018; vol. 13 (no. 5), p. 509-515.	Jack K. et al: Barriers to treatment adherence in physiotherapy outpatient clinics: A systematic review, Manual Therapy Volume 2010, Pages 220-228	
Broken Bones of the Upper Limb in People Over 50	50	Does compliance with rehabilitation following an upper limb fracture affect outcomes in people over 50 and if so, how can we improve this?	Rehabilitation is important to ensure a patient achieves their best possible outcome following an upper limb fracture. This question looks to deemine if it makes a significant difference if a patient does all of their exercises regularly and what is the best way to make sure a patient does their exercises?	03/12/2018	18	Jack K, et al: Barriers to treatment, adherence in physiotherapy outpatient clinics: A systematic review. Manual Therapy Volume 15, Issue 3, June 2010, Pages 220-228	Picha KJ & Howell DM, A model to increase rehabilitation adherence to home exercise programmes in patients with varying levels of self-efficacy. Musculoskeletal Care, 2018; March 16(1): 233-37	
Broken Bones of the Upper Limb in People Over 50	50	What is the best way to treat a nerve lojury that happens at the same time as an upper limb fracture in people over 50?	When a patient breaks their arm, there is a chance that they can layer their nerves as well. Although the incidence of nerve injuries is low, they can cause significant leng term problems for the patient. It is important to spot these lequires early. This question looks to determine the best way to assess for an injured nerve and what is the best way to treast it, if it does cocur.	03/12/2018	19	Processed nerve allografts to repair peripheral nerve discontinuities. Interventional procedures guidance (IPGS97) Published date: November 2017	Alageel A, Alshomer F. High resolution ultrasound in the evaluation and management of traumatic peripheral nerve injuries: review of the literature. Oman Med J. 2014;29(5):314–319. doi:10.5001/omi_2014.86	
Broken Bones of the Upper Limb in People Over 50	50	What is the best way to manage upper limb fractures in people over 50 that have not healed properly?	Sometimes an upper limb fracture may not heal properly or may not heal at all, for a variety of reasons. There are several ways we can ty to make the fracture heal, either with or without an operation. The question look to determine what is the best way to manage these fractures and make them heal.	03/12/2018	20	Low-intensity pulsed ultrasound to promote healing of delayed-union and non-union fractures. Interventional procedures guidance [PGGG3] Published date: July 2018	Griffin XL, Costa ML, Parsons N, Smith N, Electromagnetic field, stimulation for treating delayed union or non-union of long hone fractures in adults. Cochrane Database of Systematic. Reviews 2011, Issue 4	
Broken Bones of the Upper Limb in People Over 50	50	What is the best form of anaesthetic (medication to stop patients feeling pain) to reduce an upper limb fracture (put it back into its normal position) in people over 50?	When a patient breaks their arm, we try to put it back into the same position as it was before they broke it. This can be a painful procedure and so we give medication to the patient to stop them feeling any pain. This question looks to determine what is the best medications and the best way to give it, to enable the part of the part with the patient of the part within their bone is enturned to its original position.	03/12/2018	21	National institute for Health and Care Excellence, Fractures (non-complexi): assessment and management (NG38). London: NRCE 2016.	The British Society of Surgery for the Hand. Best Practice for management of. Distal Radius Fractures (DRFs). BSSM, 2018	
Broken Bones of the Upper Limb in People Over 50	50	Is day surgery (no overnight hospital stay) for upper limb fractures in people over 50 possible and what are the benefits for the patient and the hospital service?	Some upper limb fractures require an operation. Most patients require a stay in hospital following their operation. This question looks to determine if a patient could have an operation and he able to go home the same day? If so, would this benefit the patient and would it benefit the hospital service (eg reduce costs)?	03/12/2018	22	No systematic reviews		
Broken Bones of the Upper Limb in People Over 50	50	Does showing people over 50 with an upper limb fracture their x-rays lead to better outcomes and better patient satisfaction / experience?	All patients who sustain an upper limb fracture have an x-ray, however, not all patients get to see them. Many patients felt that they understood their lipary better after they had seen that it average and that this helped them to understand what the clinicians was telling them. This question loots determine if a patients who see their x-rays have a better experience during their management and whether they engage in their treatment which could lead to a better recovery.	03/12/2018	23	Lindeque, B; et al. Tablets in trauma: using mobile computing platforms to improve patient understanding and experience. Orthopolics; Nar 2013; vol. 36 (no. 3); p. 205-208	Nasser FS; et al. Resiewing radiographic images with patients; results of a trial on patient preference, understanding, as satisfaction, lournal of endourology, Dec. 2010; vol. 24 (no. 12); p. 2083-2091	
Broken Bones of the Upper Limb in People Over 50	50	What information should be provided about casts / splints to ensure they work correctly and do not cause any problems to specie over 50 with an upper limit fracture? Who should provide this information and how?	Many patients who outsin an upper limb fracture require a cast or splint to high them recover, knowing how to use these correctly to help their recovery and prevent any problems is escential. There are already some guidelines in the casting standards document released by the British Orthoppaelic Association. This question looks to determine if the information in these guidelines is enough or in one released and who is the best person to deliver this information.	03/12/2018	24	BOA National Casting Standards: Published November 2015.	The British Society of Surgery for the Hand, Best Practice for management of Distal Radius Fractures (DRFs), BSSH, 2018	