

James Lind Alliance Pressure Ulcer PSP uncertainties

Identifier	Title	Where were uncertainties from?	Why is there uncertainty?	Final rank of question after workshop	Which types of treatments? 1	Which types of treatments? 2	Which types of treatments? 3	Which types of treatments? 4	Original uncertainty	References to reliable up-to-date systematic reviews	Systematic reviews in preparation at time of PSP	Systematic reviews that need updating or extending at time of PSP	Which outcomes?
415609	How effective is repositioning in the prevention of pressure ulcers	Uncertainties identified from clinicians' questions	Existing relevant systematic reviews are not up-to-date	Priority 01	Physical therapies				Pressure Ulcer Ranked 1 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey:47		Gillespie BM, Chaboyer WP, McInnes E, Kent B, Whitty JA. Repositioning for pressure ulcer prevention in adults. Cochrane Database of Systematic Reviews 2012, Issue 7. Art. No.: CD009958. DOI: 10.1002/14651858.CD009958.	Reddy M, Gill S S, Rochon P A. Preventing pressure ulcers: a systematic review. JAMA.2006;296(8):974784. Michael S M, Porter D, Pountney T E. Tilted seat position for non-ambulant individuals with neurological and neuromuscular impairment: a systematic review. Clinical Rehabilitation 2007; 21(12): 1063-74	Prevention
415513	How effective at preventing pressure ulcers is involving patients, family and lay carers in patient care?	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Priority 02	Service delivery				Pressure Ulcer Ranked 2 28 Submissions				Prevention
415524	Does the education of health and social care staff on prevention lead to a reduction in the incidence of pressure ulcers and if so, which are the most effective education programmes (at organisational and health/social care level)?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified	Priority 03	Education and training				This submission was a variation of one which was prioritised. Priority 3 This submission was a variation of one which was prioritised. Priority 3 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 19 This uncertainty was also suggested for the following patients and interventions: [+women in labour +mandatory training +in nursing homes +persistent natal clefts +carers +ITU] Does the education of health and social staff on prevention lead to a reduction in incidence of pressure ulcers and if so, which are the most effective education programmes (at organisational and Health/Social Carelevel)? [+different levels of resources spent on training +at different levels in the health service]				Prevention
415532	How effective are the different types of pressure relieving beds and mattresses in preventing pressure ulcers and do they meet the needs of the full range of patients at risk?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects	Priority 04	Devices				This submission was a variation of one which was prioritised. Priority 4 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 19 This uncertainty was also suggested for the following patients and interventions: [+alternating mattresses +full replacement + 30 degree turning +static foam +air attenuating +constant low pressure +static air flotation +profiling beds +high specification foam +hard mattress +soft mattress] [+high risk patients +mentally ill patients +kyphotic/scoliotic spine +sleep on backs +critically ill]	McInnes E, Jammali-Blasi A, Bell-Syer SEM, Dumville JC, Cullum N. Support surfaces for pressure ulcer prevention. Cochrane Database of Systematic Reviews 2011, Issue 4. Art. No.: CD001735. DOI: 10.1002/14651858.CD001735.pub4.			Prevention
415514	What impact do different service models have on the incidence of pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Priority 05	Service delivery				Pressure Ulcer Ranked 5 What impact do different service models have on the incidence of pressure ulcers including staffing levels, continuity of care [an on-going relationship with same staff members] and the current organisation of				Ulcer healing
415654	What are the best service models to ensure that patients with pressure ulcers receive the best treatment outcomes?	Uncertainties identified from carers' questions	No relevant systematic reviews identified	Priority 06	Service delivery				Ulcer Ranked 6 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2 What are the best service models (and are they sufficiently accessible) to ensure that patients with pressure ulcers receive the best treatment outcomes (including whether getting people with pressure ulcers and their carers more involved in their own pressure ulcer management improves ulcer healing and if so, the most effective models of engagement)?				Prevention; Ulcer healing
415612	For wheelchair users sitting on a pressure ulcer, how effective is bed rest in promoting pressure ulcer healing?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified	Priority 07	Physical therapies				Pressure Ulcer Ranked 7 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey:13	Xie X, McGregor M, Dendukuri N. The clinical effectiveness of negative pressure wound therapy: a systematic review. Journal of Wound Care 2010; 19 (11): 490-5. PMID: 21135797 McInnes E, Jammali-Blasi A, Bell-Syer SEM, Dumville JC, Cullum N. Support surfaces for pressure ulcer prevention. Cochrane Database of Systematic Reviews 2011, Issue 4. Art. No.: CD001735. DOI: 10.1002/14651858.CD001735.pub4	Ubbink D T, Westerbos S J, Evans D, Land L, Vermeulen H. Topical negative pressure for treating chronic wounds. Cochrane Database of Systematic Reviews 2008, Issue 3. Art. No.: CD001898. DOI: 10.1002/14651858.CD001898.pub2. Ubbink D T, Westerbos S J, Nelson E A, Vermeulen H. A systematic review of topical negative pressure therapy for acute and chronic wounds. British Journal of Surgery 2008; 95(6): 685-692 van den Boogaard M, de Laat E, Spauwen P, Schoonhoven L. The effectiveness of topical negative pressure in the treatment of pressure ulcers: a literature review. European Journal of Plastic Surgery 2008; 31(1): 1-7; Gregor S, Maegele M, Sauerland S, Krahn JF, Peinemann F, Lange S. Negative pressure wound therapy: a vacuum of evidence? Archives of Surgery 2008; 143(2): 189-96	Ulcer healing	
415613	How effective are wound dressings in the promotion of pressure ulcer healing?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified	Priority 08	Devices				Pressure Ulcer Ranked 8 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey:29	Dat AD, Poon F, Pham KBT, Doust J. Aloe vera for treating acute and chronic wounds. Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD008762. DOI: 10.1002/14651858.CD008762.pub2	Keogh SJ, Nelson EA, Webster J, Jolly J, Ullman AJ, Chaboyer WP. Hydrocolloid dressings for treating pressure ulcers (Protocol). Cochrane Database of Systematic Reviews 2013, Issue 2. Art. No.: CD010364. DOI: 10.1002/14651858.CD010364 Moore ZEH, Webster J. Dressings and topical agents for preventing pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 10. Art. No.: CD009362. DOI: 10.1002/14651858.CD009362.	Jull AB, Walker N, Deshpande S. Honey as a topical treatment for wounds. Cochrane Database of Systematic Reviews 2013, Issue 2. Art. No.: CD005083. DOI: 10.1002/14651858.CD005083.pub3 Vermeulen H, van Hattem JM, Storm-Vermeulen H, Ubbink DT, Westerbos SJ. Topical silver for treating infected wounds. Cochrane Database of Systematic Reviews 2007, Issue 1. Art. No.: CD005486. DOI: 10.1002/14651858.CD005486.pub2. Reddy M, Gill S S, Rochon P A. Preventing pressure ulcers: a systematic review. JAMA.2006;296(8):974784.	Ulcer healing
415614	Does regular turning of patients in bed promote healing of pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified	Priority 09	Physical therapies				Pressure Ulcer Ranked 9 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey:12	Moore ZEH, Cowman S. Repositioning for treating pressure ulcers. Cochrane Database of Systematic Reviews 2012, Issue 9. Art. No.: CD006898. DOI: 10.1002/14651858.CD006898.pub3			Ulcer healing
415615	Does improving diet (eating) and hydration (drinking) promote pressure ulcer healing?	Uncertainties identified from clinicians' questions	Existing relevant systematic reviews are not up-to-date	Priority 10	Diet				Pressure Ulcer Ranked =10 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey:15				Ulcer healing
415515	How effective are surgical operations to close pressure ulcers/help them heal?	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Priority 11	Surgery				Pressure Ulcer Ranked 10= 10 Submissions				Ulcer healing
415516	How effective are topical skin care products and skin care regimes at preventing pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Priority 12	Drug				Pressure Ulcer Ranked 12 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 17 Submissions		Moore ZEH, Webster J. Dressings and topical agents for preventing pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 10. Art. No.: CD009362. DOI: 10.1002/14651858.CD009362.		Prevention
415426	How effective are dressings and zero-friction fabric products in preventing pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Workshop List 13	Devices				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3		Moore ZEH, Webster J. Dressings and topical agents for preventing pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 10. Art. No.: CD009362. DOI: 10.1002/14651858.CD009362.		Prevention

James Lind Alliance Pressure Ulcer PSP uncertainties

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415621	Does exercise coaching help in the prevention of pressure ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified	Workshop List 14	Exercise								Prevention
415537	Is using a pressure ulcer risk rating scale better than clinical judgement in preventing pressure ulcers and is there a best scale?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects	Workshop List 15	Diagnostic				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 25	Moore ZEH, Cowman S. Risk assessment tools for the prevention of pressure ulcers. Cochrane Database of Systematic Reviews 2008, Issue 3. Art. No.: CD006471. DOI: 10.1002/14651858.CD006471.pub2			Diagnostic;Prevention
415520	How effective are incontinence devices at preventing ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified	Workshop List 16	Devices				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2 This uncertainty was also suggested for the following patients and interventions: [+Elderly]				Prevention
415636	How effective is non-surgical debridement in ulcer healing, what is the most effective debridement strategy?	Uncertainties identified from carers' questions	No relevant systematic reviews identified	Workshop List 17	Physical therapies								Ulcer Healing
415652	In people with multiple sclerosis which analgesics are effective and safe for the treatment of pressure-ulcer related pain?	Uncertainties identified from carers' questions	No relevant systematic reviews identified	Workshop List 18	Drug								Pain relief
415638	What is the value of topical agents in promoting ulcer healing?	Uncertainties identified from carers' questions	No relevant systematic reviews identified	Workshop List 19	Drug				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3 This uncertainty was also suggested for the following patients and interventions: [+Intraste gel +natural remedies +creams]				Ulcer Healing
415647	How effective is negative pressure wound therapy as a treatment for pressure ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified	Workshop List 20	Devices				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2				Ulcer Healing
415545	For people at risk of pressure ulcers how effective are pressure ulcer grading systems in determining the amount of skin damage and does the use of such scales improve ulcer healing?	Uncertainties identified from clinicians' questions	Existing relevant systematic reviews are not up-to-date	Workshop List 21	Diagnostic				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 8			Kottner J, Raeder K, Halfens R, Dassen T. A systematic review of interrater reliability of pressure ulcer classification systems. Journal of Clinical Nursing 2009; 18: 315-36 PMID:19191981	Ulcer healing
415432	For people with multiple sclerosis or spinal injury is working with specialist clinicians more effective in preventing pressure ulcers than working with generalists?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Diagnostic				This submission was a variation of one which was prioritised. Priority 5 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2 This uncertainty was also suggested for the following patients and interventions:[+settings] [+at particular risk in general hospitals?]				Prevention
415528	How effective at preventing pressure ulcers is involving patients in managing their own pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Education and training				This submission was a variation of one which was prioritised. Priority 2 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3 This uncertainty was also suggested for the following patients and interventions: How effective at preventing pressure ulcers is involving patients in managing their own pressure ulcers (including skin care)?				Prevention
415646	What is the most effective way for family carers to be involved to help ulcer healing?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Education and training				This submission was a variation of one which was prioritised. Priority 6				Ulcer Healing
415618	Are barrier creams effective in preventing pressure ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Drug				This submission was a variation of one which was prioritised. Priority 12 This uncertainty was also suggested for the following patients and interventions: [Intraste Gel]			Moore ZEH, Webster J. Dressings and topical agents for preventing pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 10. Art. No.: CD009362. DOI: 10.1002/14651858.CD009362.	Prevention
415570	Are heat sensors an effective means of assessing pressure damage to the skin when patients enter hospital?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Devices								Prevention
415600	Are heel castings an effective treatment for pressure ulcers on the heel?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices					McGinnis E, Stubbs N. Pressure-relieving devices for treating heel pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 9. Art. No.: CD005485. DOI: 10.1002/14651858.CD005485.pub2			Ulcer healing
415525	Are patient-focused education programmes effective in preventing pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Education and training				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 9 This uncertainty was also suggested for the following patients and interventions: [+impaired sensation +Spina Bifida]TA:Skin disorders:Skin ulcer:Pressure ulcer				Prevention
415526	Are public awareness campaigns effective at preventing pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Education and training				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 6 This uncertainty was also suggested for the following patients and interventions:[+non-blanching erythema]				Prevention
415604	Are surgical operations to close pressure ulcers value for money to the NHS?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Surgery								Value for money to the NHS
415572	Are technologies which alert when an area is subject to high pressure effective at preventing pressure ulcers	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Devices								Prevention
415461	Are the most effective pressure relieving mattresses also the most comfortable?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices					McInnes E, Jammali-Biasi A, Bell-Syer SEM, Dumville JC, Cullum N. Support surfaces for pressure ulcer prevention. Cochrane Database of Systematic Reviews 2011, Issue 4. Art. No.: CD001735. DOI: 10.1002/14651858.CD001735.pub4. McInnes E, Dumville JC, Jammali-Biasi A, Bell-Syer SEM. Support surfaces for treating pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 12. Art. No.: CD009490. DOI: 10.1002/14651858.CD009490.			Quality of life
415551	Can targeted patient education and empowerment reduce the incidence of pressure ulcer development?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Education and training								Prevention
415548	Do cardiac medications have an adverse effect on skin integrity?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Drug								Adverse events
415686	Do champions of pressure ulcer prevention improve pressure ulcer healing?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery								Ulcer Healing
415674	Do champions of pressure ulcer prevention improve pressure ulcer prevention?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery				This uncertainty was also suggested for the following patients and interventions: people with special needs +non-specialist health care professionals +at risk groups]				Prevention
415620	Do community physiotherapy interventions change the incidence of pressure ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Exercise								Prevention
415594	Do differing levels of investment of resources by NHS trusts in staff training result in varying levels of success in the prevention of pressure sores?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Education and training								Prevention
415503	Do people with specialist conditions receive the best practice pressure ulcer treatment at specialist centres compared to generalist services?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery				This submission was a variation of one which was prioritised. Priority 6 This uncertainty was also suggested for the following patients and interventions: Do people with specialist conditions (for example a spinal injury) receive the best practice pressure ulcer treatment at specialist centres compared to generalist services?				Ulcer healing
415584	Do pressure stretches such as physiotherapy improve pressure ulcer healing?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Exercise								Ulcer healing
415530	Do staffing levels have an impact on the incidence of pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Service delivery				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2				Prevention
415544	Do support surfaces help pressure ulcers to heal?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Devices				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3				Ulcer healing
415546	Do support surfaces prevent further tissue damage in patients with an existing pressure ulcer?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Devices								Secondary prevention

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415555	Does access to a specialist wound prevention service improve pressure ulcer prevention?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Service delivery				This submission was a variation of one which was prioritised. Priority 5				Prevention
415619	Does applying methylated spirits to skin help prevent ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Drug				This submission was a variation of one which was prioritised. Priority 12		Moore ZEH, Webster J. Dressings and topical agents for preventing pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 10. Art. No.: CD009362. DOI: 10.1002/14651858.CD009362.		Prevention
415684	Does best practice in treatment take into consideration the range of risk from transient problem as the result of an operation to a lifetime of risk for those with spinal injury?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery								Ulcer Healing
415624	Does carer/family involvement in pressure ulcer prevention improve prevention?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Education and training				This submission was a variation of one which was prioritised. Priority 2				Prevention
415577	Does debridement promote healing in patients with pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Physical therapies	Surgery							Ulcer Healing
415561	Does extending the use of pressure relieving mattresses on general wards improve prevention?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices					McInnes E, Jammali-Biasi A, Bell-Syer SEM, Dumville JC, Cullum N. Support surfaces for pressure ulcer prevention. Cochrane Database of Systematic Reviews 2011, Issue 4. Art. No.: CD001735. DOI: 10.1002/14651858.CD001735.pub4.			Prevention
415523	Does improved nutrition and hydration promote prevention in people at risk of pressure ulcers?	Uncertainties identified from clinicians' questions	Existing relevant systematic reviews are not up-to-date		Diet				This submission was a variation of one which was prioritised. Priority =10 This submission was a variation of one which was prioritised. Priority 10 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 7 This uncertainty was also suggested for the following patients and interventions: [+micro-nutrients +high protein diet]			Langer G, Knerr A, Kuss O, Behrens J, Schi?mer GJ. Nutritional interventions for preventing and treating pressure ulcers. Cochrane Database of Systematic Reviews 2003, Issue 4. Art. No.: CD003216. DOI: 10.1002/14651858.CD003216. Sampson EL, Candy B, Jones L. Enteral tube feeding for older people with advanced dementia. Cochrane Database of Systematic Reviews 2009, Issue 2. Art. No.: CD007209. DOI: 10.1002/14651858.CD007209.pub2	Prevention
415643	Does improving diet promote healing?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Diet				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3 This uncertainty was also suggested for the following patients and interventions: [+nutritional supplements]				Ulcer Healing
415448	Does improving nutrition and hydration help in the healing of pressure ulcers?	Uncertainties identified from patients' questions	Existing relevant systematic reviews are not up-to-date		Diet				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3			Langer G, Knerr A, Kuss O, Behrens J, Schi?mer GJ. Nutritional interventions for preventing and treating pressure ulcers. Cochrane Database of Systematic Reviews 2003, Issue 4. Art. No.: CD003216. DOI: 10.1002/14651858.CD003216. Sampson EL, Candy B, Jones L. Enteral tube feeding for older people with advanced dementia. Cochrane Database of Systematic Reviews 2009, Issue 2. Art. No.: CD007209. DOI: 10.1002/14651858.CD007209.pub2. Stratton R J, Ek A C, Engler M, Moore Z, Rigby P, Wolfe R, Elia M. Enteral nutritional support in prevention and treatment of pressure ulcers: a systematic review and meta-analysis. Ageing Research Reviews 2005; 4(3): 422-450; Reddy M, Gill S S, Kalkar S R, Wu W, Anderson P J, Rochon P A. Treatment of pressure ulcers: a systematic review. JAMA 2008; 300(22): 2647-62	Ulcer healing
415591	Does increased patient awareness of Tissue Viability Nurses services improve pressure ulcer healing?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Service delivery								Ulcer healing
415554	Does increasing the number of specialist Tissue Viability Nurses improve prevention of pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Service delivery								Prevention
415590	Does increasing the number of specialist Tissue Viability Nurses improve ulcer healing?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Service delivery								Ulcer healing
415547	Does one day in bed and three back using your wheelchair change the rate of healing compared to bed rest?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Physical therapies					Moore ZEH, Cowman S. Repositioning for treating pressure ulcers. Cochrane Database of Systematic Reviews 2012, Issue 9. Art. No.: CD006898. DOI: 10.1002/14651858.CD006898.pub3. Searches done May 2012.			Speed of ulcer healing
415543	Does regular turning of patients in beds promote healing of pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Physical therapies				This submission was a variation of one which was prioritised. Priority 9 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 7 This uncertainty was also suggested for the following patients and interventions: [+spinal injuries +compared to dressings]				Ulcer healing
415559	Does setting targets effectively reduce the incidence of pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Service delivery								Prevention
415610	Does the education of health and social care staff on prevention lead to a reduction in the incidence of pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Education and training				Pressure Ulcer Ranked 3 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 33 Does the education of health and social care staff on prevention lead to a reduction in the incidence of pressure ulcers and, if so, which are the most effective education programmes (at organisational and health/social care level)?	Flodgren G, Rojas-Reyes MX, Cole N, Foxcroft DR. Effectiveness of organisational infrastructures to promote evidence-based nursing practice. Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD002212. DOI: 10.1002/14651858.CD002212.pub2.			Prevention
415659	Does the labelling of patients or their families as difficult or non-compliant impact on pressure ulcer prevention?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery								Prevention
415658	Does the labelling of patients or their families as difficult or non-compliant impact on pressure ulcer treatment outcomes?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery								Prevention
415679	Does the transfer of expertise from specialist units to more general settings result in better pressure ulcer prevention?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery								Prevention
415685	Does the transfer of expertise from specialist units to more general settings result in better treatment outcomes?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery								Ulcer Healing
415519	Does the use of skin care regimes diminish the likelihood of pressure ulcer occurrence?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Service delivery				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3 This uncertainty was also suggested for the following patients and interventions: [+in patients with incontinence] [+heel pressure ulcers]				Prevention
415639	Does the way a bed is made or the type of bedding have an impact on ulcer healing?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Physical therapies				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2 This uncertainty was also suggested for the following patients and interventions: [+types of bedding]				Ulcer Healing
415587	Does treating a pressure ulcer in the same manner as a crush injury promote ulcer healing?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Drug	Devices	Physical therapies	Surgery					Ulcer healing
415483	Does using a standing frame regularly help to prevent pressure sores?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Physical therapies				This uncertainty was also suggested for the following patients and interventions: Managing patients with limited mobility				Prevention

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415471	For people at risk of pressure ulcers at home reliant on lay carers, what is the most effective and carer-friendly turning schedule for preventing pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery								Prevention
415557	For people at risk of pressure ulcers does access to a specialist service improve pressure ulcer prevention?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Service delivery								Prevention
415488	For people at risk of pressure ulcers how effective are methods for patients to check own skin in preventing pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Education and training	Service delivery			This uncertainty was also suggested for the following patients and interventions: [include use of smart phones]				Prevention
415484	For people at risk of pressure ulcers with mobility impairment, how effective are drugs for pain relief at preventing pressure ulcers through increased mobility?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Drug								Prevention
415485	For people at risk of pressure ulcers, does proper bed making help reduce pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Physical therapies				This uncertainty was also suggested for the following patients and interventions: e.g. removing wrinkles from the bottom sheet?				Prevention
415486	For people at risk of pressure ulcers, what is the best rating scale for assessing Pressure ulcer risk?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Diagnostic					Moore ZEH, Cowman S. Risk assessment tools for the prevention of pressure ulcers. Cochrane Database of Systematic Reviews 2008, Issue 3. Art. No.: CD006471. DOI: 10.1002/14651858.CD006471.pub2			Prevention
415670	For people at risk of pressure ulcers, what is the impact of patient-focused education on the prevention of pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Education and training								Prevention
415558	For people in care homes how effective is having a wound care champion in reducing pressure ulcers?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Service delivery					Flodgren G, Rojas-Reyes MX, Cole N, Foxcroft DR. Effectiveness of organisational infrastructures to promote evidence-based nursing practice. Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD002212. DOI: 10.1002/14651858.CD002212.pub2.			Prevention
415431	For people in hospital at risk of developing pressure ulcers is the current organisation of nursing care effective as best practice in the prevention of pressure ulcers?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Service delivery				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 5 This uncertainty was also suggested for the following patients and interventions: [+nursing home] [+including staff to patient ratio, and consistency of approach]	Flodgren G, Rojas-Reyes MX, Cole N, Foxcroft DR. Effectiveness of organisational infrastructures to promote evidence-based nursing practice. Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD002212. DOI: 10.1002/14651858.CD002212.pub2.			Prevention
415467	For people reliant on wheelchairs, which footplate design is best for minimising risk of pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Devices								Prevention
415453	For people sitting on a pressure ulcer are pressure relieving cushions an effective alternative to bed rest?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices				This submission was a variation of one which was prioritised. Priority 7 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2	McInnes E, Dumville JC, Jammali-Blasi A, Bell-Syer SEM. Support surfaces for treating pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 12. Art. No.: CD009490. DOI: 10.1002/14651858.CD009490			Ulcer healing
415640	For people who are bed bound as a result of pressure ulcers, does support and bed coaching aid recovery from pressure ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Exercise	Physical therapies							Ulcer Healing
415616	For people who are incontinent and at risk of pressure ulcers, do cheap incontinence pads cause more irritation compared to expensive pads?	Uncertainties identified from carers' questions	Existing relevant systematic reviews are not up-to-date		Devices							Beeckman D, Schoonhoven L, Verhaeghe S, Heyneman A, Defloor. Prevention and treatment of incontinence-associated dermatitis: literature review. Journal of Advanced Nursing 2009; 65 (6): 1141-54 PMID: 19374674	Prevention
415422	For people who are reliant on wheelchairs how effective is repositioning in preventing pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Physical therapies				This submission was a variation of one which was prioritised. Priority 1 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 5 This uncertainty was also suggested for the following patients and interventions: [+with Multiple Sclerosis, SI, polio] [+transferring between chairs, lifting off cushion] [+How often should it be done? How does it affect ability to undertake normal activities?]	Gillespie BM, Chaboyer WP, McInnes E, Kent B, Whitty JA. Repositioning for pressure ulcer prevention in adults. Cochrane Database of Systematic Reviews 2012, Issue 7. Art. No.: CD009958. DOI: 10.1002/14651858.CD009958.			Prevention
415490	For people with a bony ischial tuberosity, is it effective to operate to make it flatter in order to prevent a pressure ulcer?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Surgery								Prevention
415499	For people with a spinal injury and pressure ulcers how effective is keeping active in promoting ulcer healing?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Exercise	Physical therapies			This uncertainty was also suggested for the following patients and interventions: For people with a spinal injury and pressure ulcers how effective is keeping active (for example taking part in sport) in promoting ulcer healing?				Ulcer healing
415603	For people with an existing pressure ulcer how effective are drugs for pain relief?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Drug								Ulcer related pain
415602	For people with an existing pressure ulcer how effective is staff education in preventing ulcer related infection?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Education and training					Flodgren G, Rojas-Reyes MX, Cole N, Foxcroft DR. Effectiveness of organisational infrastructures to promote evidence-based nursing practice. Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD002212. DOI: 10.1002/14651858.CD002212.pub2.			Ulcer related infection
415498	For people with blister pressure ulcers is it more effective to remove the serum?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Physical therapies								Ulcer healing
415627	For people with contracted limbs, how effective are standard prevention techniques and equipment?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Service delivery				This submission was a variation of one which was prioritised. Priority 4				Prevention
415599	For people with heel pressure ulcers is it more effective to support the leg compared to not supporting the leg to aid ulcer healing?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Physical therapies					McGinnis E, Stubbs N. Pressure-relieving devices for treating heel pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 9. Art. No.: CD005485. DOI: 10.1002/14651858.CD005485.pub2 McInnes E, Dumville JC, Jammali-Blasi A, Bell-Syer SEM. Support surfaces for treating pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 12. Art. No.: CD009490. DOI: 10.1002/14651858.CD009490			Ulcer healing
415482	For people with impaired sensation and incontinence at risk of developing pressure ulcers, how effective are barrier creams (including Conotrane) in preventing pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Drug				This uncertainty was also suggested for the following patients and interventions: Local skin care			Moore ZEH, Webster J. Dressings and topical agents for preventing pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 10. Art. No.: CD009362. DOI: 10.1002/14651858.CD009362.	Prevention
415649	For people with limited memory as well as limited mobility would a prompt of routine tool which reminds people to reposition themselves help to heal pressure ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Physical therapies				This submission was a variation of one which was prioritised. Priority 9				Ulcer Healing
415641	For people with Multiple Sclerosis and pressure ulcers is posture important in relation to healing?	Uncertainties identified from carers' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Physical therapies					Moore ZEH, Cowman S. Repositioning for treating pressure ulcers. Cochrane Database of Systematic Reviews 2012, Issue 9. Art. No.: CD006898. DOI: 10.1002/14651858.CD006898.pub3		Michael S M, Porter D, Pountney T E. Tilted seat position for non-ambulant individuals with neurological and neuromuscular impairment: a systematic review. Clinical Rehabilitation 2007; 21(12): 1063-74	Ulcer Healing
415651	For people with Multiple Sclerosis and pressure ulcers that won't heal, what is the best type of surgical referral?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Service delivery	Surgery			This submission was a variation of one which was prioritised. Priority =10				Ulcer Healing

James Lind Alliance Pressure Ulcer PSP uncertainties

Identifier	Title	Where were uncertainties from?	Why is there uncertainty?	Final rank of question after workshop	Which types of treatments? 1	Which types of treatments? 2	Which types of treatments? 3	Which types of treatments? 4	Original uncertainty	References to reliable up-to-date systematic reviews	Systematic reviews in preparation at time of PSP	Systematic reviews that need updating or extending at time of PSP	Which outcomes?
415628	For people with Multiple Sclerosis, how appropriate and effective is standard pressure relieving equipment?	Uncertainties identified from carers' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices					McInnes E, Jammali-Blast A, Bell-Syer SEM, Dumville JC, Cullum N. Support surfaces for pressure ulcer prevention. Cochrane Database of Systematic Reviews 2011, Issue 4. Art. No.: CD001735. DOI: 10.1002/14651858.CD001735.pub4			Prevention
415494	For people with Multiple Sclerosis and pressure ulcers how effective is larval therapy in promoting ulcer healing?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Physical therapies								Ulcer healing
415459	For people with Multiple Sclerosis at risk of developing pressure ulcers what is the type of bed or mattresses that represents value for money to the NHS?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Devices								Value for money to the NHS
415481	For people with Multiple Sclerosis at risk of pressure ulcers how effective is improving hydration in the prevention of pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Diet								Prevention
415476	For people with Multiple Sclerosis living at home and at risk of developing pressure ulcers, what is the most effective prevention programme for the rigorously independent who don't like people intervening on them?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery								Prevention
415487	For people with paraplegia and a history of developing severe pressure ulcers, would regular check-ups be effective in preventing further ulcer damage?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery								Prevention
415512	For people with paraplegia how effective is electrical stimulation for improving muscle tone in pressure areas at prevention of pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Physical therapies								Prevention
415564	For people with persistent natal cleft splits how effective is allowing patients to sit in a chair in preventing the development of pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Physical therapies								Prevention
415460	For people with pressure ulcers and Multiple Sclerosis is bed rest detrimental to mental health?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Devices				This uncertainty was also suggested for the following patients and interventions: Managing patients with limited mobility				Quality of life
415653	For people with pressure ulcers and Multiple Sclerosis who have been advised to keep moving, is bed rest to treat pressure ulcers safe?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Physical therapies				This submission was a variation of one which was prioritised. Priority 7				Adverse events
415506	For people with pressure ulcers does smoking affect ulcer healing?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Education and training								Ulcer healing
415509	For people with pressure ulcers how effective are Alleyn standard dressings compared to Alleyn silver dressings in reducing odour?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Devices								Ulcer related odour
415605	For people with pressure ulcers how effective are drugs for pain relief in undertaking normal activities?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Drug								Ability to undertake normal activities
415582	For people with pressure ulcers how effective are surgical operations to close ulcers in ulcer healing?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Surgery				This submission was a variation of one which was prioritised. Priority =10				Ulcer healing
415580	For people with pressure ulcers how effective is iodine in ulcer healing?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Drug					Dat AD, Poon F, Pham KBT, Doust J. Aloe vera for treating acute and chronic wounds. Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD008762. DOI: 10.1002/14651858.CD008762.pub2 Moore ZEH, Cowman S. Wound cleansing for pressure ulcers. Cochrane Database of Systematic Reviews 2005, Issue 4. Art. No.: CD004983. DOI: 10.1002/14651858.CD004983.pub2		Jull AB, Walker N, Deshpande S. Honey as a topical treatment for wounds. Cochrane Database of Systematic Reviews 2013, Issue 2. Art. No.: CD005083. DOI: 10.1002/14651858.CD005083.pub3 Vermeulen H, van Hattem JM, Storm-VerslootMN, Ubbink DT, Westerbos SJ. Topical silver for treating infected wounds. Cochrane Database of Systematic Reviews 2007, Issue 1. Art. No.: CD005486. DOI: 10.1002/14651858.CD005486.pub2 Reddy M, Gill SS, Kalkar SR, Wu W, Anderson PJ, Rochon PA. Treatment of pressure ulcers: a systematic review. JAMA 2008; 300 (22): 2647-62	Ulcer healing
415579	For people with pressure ulcers how effective is direct oxygen therapy to wounds in promoting ulcer healing?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices					Kranke P, Bennett MH, Martyn-St James M, Schnabel A, Debus SE. Hyperbaric oxygen therapy for chronic wounds. Cochrane Database of Systematic Reviews 2012, Issue 4. Art. No.: CD004123. DOI: 10.1002/14651858.CD004123.pub3. Search done January 2012.			Ulcer healing
415578	For people with pressure ulcers how effective is electro-magnetic energy in promoting ulcer healing?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices					Aziz Z, Flemming K, CullumNA, OlyaeiManesh A. Electromagnetic therapy for treating pressure ulcers. Cochrane Database of Systematic Reviews 2010, Issue 11. Art. No.: CD002930. DOI: 10.1002/14651858.CD002930.pub4			Ulcer healing
415510	For people with pressure ulcers how effective is staff education in reducing ulcer related odour?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Education and training								Ulcer related odour
415493	For people with pressure ulcers is it more effective to expose the ulcer to the air/allow a fan to blow on it compared to the application of dressings to aid ulcer healing?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Physical therapies	Service delivery							Ulcer healing
415497	For people with pressure ulcers is it more effective to keep ulcers moist compared to dry?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Physical therapies								Ulcer healing
415598	For people with pressure ulcers using pressure relieving mattresses how effective is turning compared to not turning patients in ulcer healing?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices					Moore ZEH, Cowman S. Repositioning for treating pressure ulcers. Cochrane Database of Systematic Reviews 2012, Issue 9. Art. No.: CD006898. DOI: 10.1002/14651858.CD006898.pub3			Ulcer healing
415462	For people with pressure ulcers what is the best way of managing wounds to reduce the frequency of changing dressings	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Devices								Reducing the number of changes an ulcer requires
415465	For people with pressure ulcers what is the impact of honey-based treatments on the speed of healing and wound granulation?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Drug								Speed of ulcer healing
415583	For people with pressure ulcers who are wheelchair users, do pressure bandages help to heal foot sores?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Devices								Ulcer healing
415642	For people with pressure ulcers who require a carer to help them move, what is the most effective means of repositioning patients	Uncertainties identified from carers' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Physical therapies	Devices			This submission was a variation of one which was prioritised. Priority 9				Ulcer Healing
415508	For people with Spina Bifida and pressure ulcers how effective are surgical operations to close pressure ulcers and reduce ulcer related infection?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Surgery								Ulcer related infection

James Lind Alliance Pressure Ulcer PSP uncertainties

Identifier	Title	Where were uncertainties from?	Why is there uncertainty?	Final rank of question after workshop	Which types of treatments? 1	Which types of treatments? 2	Which types of treatments? 3	Which types of treatments? 4	Original uncertainty	References to reliable up-to-date systematic reviews	Systematic reviews in preparation at time of PSP	Systematic reviews that need updating or extending at time of PSP	Which outcomes?
415507	For people with Spina Bifida and pressure ulcers how effective are surgical operations to cure osteomyelitis to promote ulcer healing?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Surgery								Ulcer healing
415501	For people with spinal injuries and foot ulcers what is the most effective means of increasing blood circulation to the feet to promote ulcer healing?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Drug	Physical therapies				McGinnis E, Stubbs N. Pressure-relieving devices for treating heel pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 9. Art. No.: CD005485. DOI: 10.1002/14651858.CD005485.pub2. McInnes E, Dumville JC, Jammali-Biasi A, Bell-Syer SEM. Support surfaces for treating pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 12. Art. No.: CD009490. DOI: 10.1002/14651858.CD009490. Aziz Z, Flemming K, Cullum NA, OlyaeiManesh A. Electromagnetic therapy for treating pressure ulcers. Cochrane Database of Systematic Reviews 2010, Issue 11. Art. No.: CD002930. DOI: 10.1002/14651858.CD002930.pub4		Akbari Sari A, Flemming K, Cullum NA, Wollina U. Therapeutic ultrasound for pressure ulcers. Cochrane Database of Systematic Reviews 2006, Issue 3. Art. No.: CD001275. DOI: 10.1002/14651858.CD001275.pub2	Ulcer healing
415500	For people with spinal injuries and pressure ulcers how effective is keeping feet elevated in promoting ulcer healing?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Physical therapies					Moore ZEH, Cowman S. Repositioning for treating pressure ulcers. Cochrane Database of Systematic Reviews 2012, Issue 9. Art. No.: CD006898. DOI: 10.1002/14651858.CD006898.pub3			Ulcer healing
415473	For people with spinal injuries at risk of developing pressure ulcers, what is the most effective means of minimising risk of pressure ulcers on long car journeys?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Physical therapies					McInnes E, Jammali-Biasi A, Bell-Syer SEM, Dumville JC, Cullum N. Support surfaces for pressure ulcer prevention. Cochrane Database of Systematic Reviews 2011, Issue 4. Art. No.: CD001735. DOI: 10.1002/14651858.CD001735.pub4.			Prevention
415466	For people with spinal injury and incontinence and pressure ulcers what is the effect of continuing to sit on a pressure ulcer on the speed of ulcer healing?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Physical therapies								Speed of ulcer healing
415597	For people with spinal injury at risk of developing pressure ulcers how important is the knowledge and attitude of tissue viability nurses of patients' special needs in ulcer healing?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Education and training	Service delivery							Ulcer healing
415511	For schoolchildren with pressure ulcers who are wheelchair users, how does advice to lie face down for most of the day impact on quality of life?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Physical therapies				This uncertainty was also suggested for the following patients and interventions: Managing patients with limited mobility	Moore ZEH, Cowman S. Repositioning for treating pressure ulcers. Cochrane Database of Systematic Reviews 2012, Issue 9. Art. No.: CD006898. DOI: 10.1002/14651858.CD006898.pub3			quality of life
415502	For schoolchildren with pressure ulcers who are wheelchair users, is advice to lie face down for most of the day effective in promoting healing?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Physical therapies					Moore ZEH, Cowman S. Repositioning for treating pressure ulcers. Cochrane Database of Systematic Reviews 2012, Issue 9. Art. No.: CD006898. DOI: 10.1002/14651858.CD006898.pub3			Ulcer healing
415593	For those with pressure ulcers, does access to a specialist service improve pressure ulcer healing outcomes?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Service delivery								Ulcer healing
415655	For those with spinal injury, to what extent is pressure ulceration prevented by good management of urinary and fecal incontinence?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2				Prevention
415480	For underweight people at risk of developing pressure ulcers, how effective is weight gain in preventing pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Diet								Prevention
415439	For wheelchair users at risk of developing pressure ulcers does exercise (sports, or an ability to walk short distances) help improve circulation and help prevent pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Exercise				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 6				Prevention
415469	For wheelchair users at risk of developing pressure ulcers, how effective are transfer boards at preventing pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Devices				This uncertainty was also suggested for the following patients and interventions: Are many ulcers caused in transfers?				Prevention
415441	For wheelchair users at risk of developing pressure ulcers, what is the most effective method of pressure mapping to assess pressure areas at risk to prevent the development of pressure ulcers?	Uncertainties identified from patients' questions	Existing relevant systematic reviews are not up-to-date		Diagnostic				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2			Reenalda J, Jannink M, Nederhand M, IJzerman M. Clinical use of interface pressure to predict pressure ulcer development: a systematic review. Assistive Technology 2009; 21(2): 76-85	Prevention
415522	For wheelchair users how effective are periods of bed rest in preventing pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Drug	Devices	Physical therapies		This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3 This uncertainty was also suggested for the following patients and interventions: (+natal cleft)				Prevention
415567	For wheelchair users how effective is wheelchair design in preventing pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Devices								Prevention
415540	For wheelchair users sitting on a pressure ulcer how effective is bed in promoting pressure ulcer in ulcer healing?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Physical therapies				This submission was a variation of one which was prioritised. Priority 7 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 5 This uncertainty was also suggested for the following patients and interventions: For wheelchair users sitting on a pressure ulcer how effective is bed in promoting pressure ulcer in ulcer healing? [+young and fit]				Ulcer Healing
415447	For wheelchair users with pressure ulcers, how effective is bed rest in promoting ulcer healing?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Physical therapies				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 5 This uncertainty was also suggested for the following patients and interventions: Managing patients with limited mobility				Ulcer healing
415472	For wheelchair users with Multiple Sclerosis at risk of pressure ulcers and with oedema what is the best way of preventing pressure ulcers on calves?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices				This uncertainty was also suggested for the following patients and interventions: best way [wheelchair design/pressure relief]	McInnes E, Jammali-Biasi A, Bell-Syer SEM, Dumville JC, Cullum N. Support surfaces for pressure ulcer prevention. Cochrane Database of Systematic Reviews 2011, Issue 4. Art. No.: CD001735. DOI: 10.1002/14651858.CD001735.pub4.			Prevention
415478	How best to prevent pressure ulcers in people with neurological conditions?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Education and training	Physical therapies				McInnes E, Jammali-Biasi A, Bell-Syer SEM, Dumville JC, Cullum N. Support surfaces for pressure ulcer prevention. Cochrane Database of Systematic Reviews 2011, Issue 4. Art. No.: CD001735. DOI: 10.1002/14651858.CD001735.pub4. Moore ZEH, Cowman S. Risk assessment tools for the prevention of pressure ulcers. Cochrane Database of Systematic Reviews 2008, Issue 3. Art. No.: CD006471. DOI: 10.1002/14651858.CD006471.pub2. Fiodgren G, Rojas-Reyes MX, Cole N, Foxcroft DR. Effectiveness of organisational infrastructures to promote evidence-based nursing practice. Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD002212. DOI: 10.1002/14651858.CD002212.pub2.	Moore ZEH, Webster J. Dressings and topical agents for preventing pressure ulcers (Protocol). Cochrane Database of Systematic Reviews 2011, Issue 10. Art. No.: CD009362. DOI: 10.1002/14651858.CD009362. Gillespie BM, Chaboyer WP, McInnes E, Kent B, Whitty JA. Repositioning for pressure ulcer prevention in adults (Protocol). Cochrane Database of Systematic Reviews 2012, Issue 7. Art. No.: CD009958. DOI: 10.1002/14651858.CD009958	Langer G, Knerr A, Kuss O, Behrens J, Schilmermer GJ. Nutritional interventions for preventing and treating pressure ulcers. Cochrane Database of Systematic Reviews 2003, Issue 4. Art. No.: CD003216. DOI: 10.1002/14651858.CD003216. Reddy et al. Reddy M, Gill SS, Rochon PA. Preventing pressure ulcers: a systematic review. JAMA. 2006; 296(8):974-84. Stratton R J, Ek A C, Engler M, Moore Z, Rigby P, Wolfe R, Elia M. Enteral nutritional support in prevention and treatment of pressure ulcers: a systematic review and meta-analysis. Ageing Research Reviews 2005; 4(3): 422-450	Prevention

James Lind Alliance Pressure Ulcer PSP uncertainties

Identifier	Title	Where were uncertainties from?	Why is there uncertainty?	Final rank of question after workshop	Which types of treatments? 1	Which types of treatments? 2	Which types of treatments? 3	Which types of treatments? 4	Original uncertainty	References to reliable up-to-date systematic reviews	Systematic reviews in preparation at time of PSP	Systematic reviews that need updating or extending at time of PSP	Which outcomes?
415623	How does continuity of care impact on the prevention of pressure ulcers?	Uncertainties identified from carers' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Service delivery					Flodgren G, Rojas-Reyes MX, Cole N, Foxcroft DR. Effectiveness of organisational infrastructures to promote evidence-based nursing practice. Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD002212. DOI: 10.1002/14651858.CD002212.pub2.			Prevention
415644	How does continuity of care impact on treatment of pressure ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Service delivery								Ulcer Healing
415427	How effective are measures such as pressure relief by changing position in bed or leaning forward, at preventing pressure ulcers and should they be changed with age or weight loss?	Uncertainties identified from patients' questions	Existing relevant systematic reviews are not up-to-date		Physical therapies				This submission was a variation of one which was prioritised. Priority 1 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2 This uncertainty was also suggested for the following patients and interventions: [+Should these be changed with age or weight loss?]			Michael S M, Porter D, Pountney T E. Tilted seat position for non-ambulant individuals with neurological and neuromuscular impairment: a systematic review. Clinical Rehabilitation 2007; 21(12): 1063-74	Prevention
415533	How effective are all pressure relieving support surfaces in the prevention of pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Devices				This submission was a variation of one which was prioritised. Priority 4 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 7				Prevention
415436	How effective are barrier creams or sprays (for example Sudocrem and Cavilon) in the prevention of pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Drug				This submission was a variation of one which was prioritised. Priority 12 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 7		Moore ZEH, Webster J. Dressings and topical agents for preventing pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 10. Art. No.: CD009362. DOI: 10.1002/14651858.CD009362.		Prevention
415419	How effective are beds, mattresses and overlays in the prevention of pressure ulcers?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices				This submission was a variation of one which was prioritised. Priority 4 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 10 + 2 concerns about comfort This uncertainty was also suggested for the following patients and interventions: [best mattresses, are they comfortable and able to accommodate shared sleeping if desired] [airwave, memory foam]	McInnes E, Jammali-Blasi A, Bell-Syer SEM, Dumville JC, Cullum N. Support surfaces for pressure ulcer prevention. Cochrane Database of Systematic Reviews 2011, Issue 4. Art. No.: CD001735. DOI: 10.1002/14651858.CD001735.pub4			Prevention
415518	How effective are dressings at preventing the development of pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Devices				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3				Prevention
415617	How effective are dressings in the prevention of pressure ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Devices				This submission was a variation of one which was prioritised. Priority 8 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2 This uncertainty was also suggested for the following patients and interventions: [+hydrocolloid dressings] People with multiple sclerosis		Moore ZEH, Webster J. Dressings and topical agents for preventing pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 10. Art. No.: CD009362. DOI: 10.1002/14651858.CD009362.		Prevention
415633	How effective are dressings in ulcer healing?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Devices				This submission was a variation of one which was prioritised. Priority 8 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 6 (3 from same source) This uncertainty was also suggested for the following patients and interventions: people with people with Multiple Sclerosis, the elderly with fragile skin, those with awkward crevasses, creases and joints. [+Kaltostat alginate dressings + Sorbion wound dressing +hydrocolloid dressings +adhesive dressings]				Ulcer Healing
415631	How effective are heel protectors in preventing pressure ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Devices				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3 This uncertainty was also suggested for the following patients and interventions: people with stroke [+Repose heel protectors Heel shaped foam protectors]				Prevention
415534	How effective are heel protectors in preventing ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Devices				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 5				Prevention
415539	How effective are honey dressings in promoting ulcer healing?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Devices				This submission was a variation of one which was prioritised. Priority 8 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3				Ulcer healing
415517	How effective are honey-based treatments at healing pressure ulcers?	Uncertainties identified from patients' questions	Existing relevant systematic reviews are not up-to-date		Drug				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3			Jull AB, Rodgers A, Walker N. Honey as a topical treatment for wounds. Cochrane Database of Systematic Reviews 2008, Issue 4. Art. No.: CD005083. DOI: 10.1002/14651858.CD005083.pub2	Ulcer healing
415423	How effective are pressure relieving cushions in the prevention of pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Devices				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3 [+which are the best]				Prevention
415542	How effective are pressure relieving mattresses in promoting ulcer healing?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Devices				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 9 This uncertainty was also suggested for the following patients and interventions: [+ full replacement alternating/dynamic mattresses +alternating mattresses +overlays +static foam mattresses], [+critically ill patients with poor peripheral perfusion +weight of patient]				Ulcer healing
415629	How effective are pressure relieving pads/cushions in preventing pressure ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Devices				This submission was a variation of one which was prioritised. Priority 4				Prevention
415678	How effective are risk calculator tools in the prevention of pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Diagnostic								Prevention
415601	How effective are skin protectors in the treatment of Grade 2 pressure ulcers?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices					McGinnis E, Stubbs N. Pressure-relieving devices for treating heel pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 9. Art. No.: CD005485. DOI: 10.1002/14651858.CD005485.pub2			Ulcer healing
415536	How effective are static flow mattresses over time?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2	McInnes E, Jammali-Blasi A, Bell-Syer SEM, Dumville JC, Cullum N. Support surfaces for pressure ulcer prevention. Cochrane Database of Systematic Reviews 2011, Issue 4. Art. No.: CD001735. DOI: 10.1002/14651858.CD001735.pub4 McInnes E, Dumville JC, Jammali-Blasi A, Bell-Syer SEM. Support surfaces for treating pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 12. Art. No.: CD009490. DOI: 10.1002/14651858.CD009490			Prevention
415455	How effective are surgical operations to close pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Surgery				This submission was a variation of one which was prioritised. Priority 10 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 4				Ulcer healing
415521	How effective are topical skin care products at prevention of pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Drug				This submission was a variation of one which was prioritised. Priority 12 This submission was a variation of one which was prioritised. Priority 12 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2 This uncertainty was also suggested for the following patients and interventions: [+Emollients +barrier creams, + Cavilon]				Prevention
415538	How effective are wound dressings in promoting pressure ulcer healing?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Devices				This submission was a variation of one which was prioritised. Priority 9 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 10 This uncertainty was also suggested for the following patients and interventions: [+superficial breaks +impregnated dressings +topical vitamin and mineral dressings +compared to leaving the area undressed for long periods of time +arresting tissue breakdown]				Ulcer Healing

James Lind Alliance Pressure Ulcer PSP uncertainties

Identifier	Title	Where were uncertainties from?	Why is there uncertainty?	Final rank of question after workshop	Which types of treatments? 1	Which types of treatments? 2	Which types of treatments? 3	Which types of treatments? 4	Original uncertainty	References to reliable up-to-date systematic reviews	Systematic reviews in preparation at time of PSP	Systematic reviews that need updating or extending at time of PSP	Which outcomes?
415433	How effective at preventing pressure ulcers is the provision of written, oral, video information to patients, for example on discharge?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Education and training				This submission was a variation of one which was prioritised. Priority 2 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2 This uncertainty was also suggested for the following patients and interventions: [+including better information about pressure relieving cushions]				Prevention
415549	How effective at prevention of pressure ulcers are sleep systems for people with physical difficulties?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Physical therapies					McInnes E, Jammal-Biasi A, Bell-Syer SEM, Dumville JC, Cullum N. Support surfaces for pressure ulcer prevention. Cochrane Database of Systematic Reviews 2011, Issue 4. Art. No.: CD001735. DOI: 10.1002/14651858.CD001735.pub4.			Prevention
415529	How effective in preventing pressure ulcers is having a wound care champion?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Service delivery				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 4 This uncertainty was also suggested for the following patients and interventions: How effective in preventing pressure ulcers is having a wound care champion [particular staff, managers or personal carers responsible for the prevention of pressure ulcers]?	Flodgren G, Rojas-Reyes MX, Cole N, Foxcroft DR. Effectiveness of organisational infrastructures to promote evidence-based nursing practice. Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD002212. DOI:10.1002/14651858.CD002212.pub2.			Prevention
415527	How effective in preventing pressure ulcers is the provision of information to patients?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Education and training				This submission was a variation of one which was prioritised. Priority 2 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 5 This uncertainty was also suggested for the following patients and interventions: How effective in preventing pressure ulcers is the provision of information (written, oral or video) to patients (for example on discharge from hospital)? [+ learning difficulties]				Prevention
415666	How effective is the patient's role in managing their own pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery								Prevention
415630	How effective is a specialist mattress compared to conventional mattress in the prevention of pressure ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Devices				This submission was a variation of one which was prioritised. Priority 4 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2 This uncertainty was also suggested for the following patients and interventions: the frail elderly; those who share a bed with a partner				Prevention
415673	How effective is best practice in prevention in considering the range of risk from transient problem as the result of an operation to a lifetime of risk for those with spinal injury?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery								Prevention
415632	How effective is changing positions regularly for example by turning to prevent the development of ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Physical therapies				This submission was a variation of one which was prioritised. Priority 1 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2 This uncertainty was also suggested for the following patients and interventions: people with spinal injuries, those in in acute hospitals and those using air mattress				Prevention
415667	How effective is clinical leadership in preventing pressure ulcers in the NHS and independent sectors?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Service delivery				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2				Prevention
415492	How effective is debridement of pressure ulcers in helping them to heal?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Physical therapies	Surgery				Moore ZEH, Cowman S. Wound cleansing for pressure ulcers. Cochrane Database of Systematic Reviews 2005, Issue 4. Art. No.: CD004983. DOI: 10.1002/14651858.CD004983.pub2		Jull AB, Walker N, Deshpande S. Honey as a topical treatment for wounds. Cochrane Database of Systematic Reviews 2013, Issue 2. Art. No.: CD005083. DOI: 10.1002/14651858.CD005083.pub3	Ulcer healing
415626	How effective is education for all care staff at preventing the development of pressure ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Education and training				This submission was a variation of one which was prioritised. Priority 3				Prevention
415585	How effective is education for lay carers to promote pressure ulcer healing including understanding and concordance to recommendations?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Education and training				This submission was a variation of one which was prioritised. Priority 6 This uncertainty was also suggested for the following patients and interventions: How effective is education for lay carers to promote pressure ulcer healing including understanding and concordance to recommendations?				Ulcer healing
415474	How effective is exoskeleton technology in the prevention of pressure ulcers?	Uncertainties identified from patients' questions	Existing relevant systematic reviews are not up-to-date		Devices							Mehrholz J, Werner C, Kugler J, Pohl M. Electromechanical-assisted training for walking after stroke. Cochrane Database of Systematic Reviews 2007, Issue 4. Art. No.: CD006185. DOI: 10.1002/14651858.CD006185.pub2. Mehrholz J, Kugler J, Pohl M. Locomotor training for walking after spinal cord injury. Cochrane Database of Systematic Reviews 2008, Issue 2. Art. No.: CD006676. DOI: 10.1002/14651858.CD006676.pub2.	Prevention
415541	How effective is improving nutrition and hydration in pressure ulcer healing?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Diet				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 9 This uncertainty was also suggested for the following patients and interventions: [+limited mobility e.g. spinal cord injury, MS, stroke, dementia +neurological conditions] [+micro-nutrient levels +serum zinc +Vitamin C +Forceval]				Ulcer Healing
415434	How effective is improving nutrition and hydration in preventing pressure ulcers?	Uncertainties identified from patients' questions	Existing relevant systematic reviews are not up-to-date		Diet				This submission was a variation of one which was prioritised. Priority 10 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 7				Prevention
415622	How effective is improving nutrition and hydration in the prevention of pressure ulcers?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Diet				This submission was a variation of one which was prioritised. Priority =10 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 2 This uncertainty was also suggested for the following patients and interventions: people with Cerebral palsy				Prevention
415571	How effective is intentional rounding in the prevention of hospital acquired pressure ulcers?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Service delivery					Flodgren G, Rojas-Reyes MX, Cole N, Foxcroft DR. Effectiveness of organisational infrastructures to promote evidence-based nursing practice. Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD002212. DOI:10.1002/14651858.CD002212.pub2.			Prevention

James Lind Alliance Pressure Ulcer PSP uncertainties

Identifier	Title	Where were uncertainties from?	Why is there uncertainty?	Final rank of question after workshop	Which types of treatments? 1	Which types of treatments? 2	Which types of treatments? 3	Which types of treatments? 4	Original uncertainty	References to reliable up-to-date systematic reviews	Systematic reviews in preparation at time of PSP	Systematic reviews that need updating or extending at time of PSP	Which outcomes?
415553	How effective is it for Health Care Assistants to assess pressure ulcer risk?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Service delivery					Moore ZEH, Cowman S. Risk assessment tools for the prevention of pressure ulcers. Cochrane Database of Systematic Reviews 2008, Issue 3. Art. No.: CD006471. DOI: 10.1002/14651858.CD006471.pub2		Pancorbo-Hidalgo PL, Garcia-Fernandez FP, Lopez-Medina IM, Alvarez-Nieto C. Risk assessment scales for pressure ulcers prevention: a systematic review. Journal of Advanced Nursing 2006; 54 (1) 94-110	Prevention
415550	How effective is making staff, managers or personal carers responsible for the prevention of pressure ulcers in reducing the incidence of pressure ulcers?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Service delivery					Flodgren G, Rojas-Reyes MX, Cole N, Foxcroft DR. Effectiveness of organisational infrastructures to promote evidence-based nursing practice. Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD002212. DOI: 10.1002/14651858.CD002212.pub2.			Prevention
415445	How effective is negative pressure wound therapy in pressure ulcer healing?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices				This submission was a variation of one which was prioritised. Priority7This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3	Xie X, McGregor M, Dendukuri N. The clinical effectiveness of negative pressure wound therapy: a systematic review. Journal of Wound Care 2010; 19 (11): 490-5. PMID: 21135797		Ubbink DT, Westerbos SJ, Evans D, Land L, Vermeulen H. Topical negative pressure for treating chronic wounds. Cochrane Database of Systematic Reviews 2008, Issue 3. Art. No.: CD001898. DOI: 10.1002/14651858.CD001898.pub2. Ubbink D T, Westerbos S J, Nelson E A, Vermeulen H. A systematic review of topical negative pressure therapy for acute and chronic wounds. British Journal of Surgery 2008; 95(6): 685-692 van den Boogaard M, de Laat E, Spauwen P, Schoonhoven L. The effectiveness of topical negative pressure in the treatment of pressure ulcers: a literature review. European Journal of Plastic Surgery 2008; 31(1): 1-7; Gregor S, Maegele M, Sauerland S, Krahn JF, Peinemann F, Lange S. Negative pressure wound therapy: a vacuum of evidence? Archives of Surgery 2008; 143(2): 189-96	Ulcer healing
415430	How effective is patient education at preventing pressure ulcers, including information on how to self treat and at what stage of disease?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Education and training				This submission was a variation of one which was prioritised. Priority 2This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 9 This uncertainty was also suggested for the following patients and interventions:paraplegia, SB, Multiple Sclerosis				Prevention
415663	How effective is patient information on discharge from hospital in the prevention of pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Education and training								Prevention
415421	How effective is regular turning of patients in bed at preventing pressure ulcers?	Uncertainties identified from patients' questions	Existing relevant systematic reviews are not up-to-date		Physical therapies				This submission was a variation of one which was prioritised. Priority 1This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 8		Gillespie BM, Chaboyer WP, McInnes E, Kent B, Whitty JA. Repositioning for pressure ulcer prevention in adults. Cochrane Database of Systematic Reviews 2012, Issue 7. Art. No.: CD009958. DOI: 10.1002/14651858.CD009958.	Reddy M, Gill S S, Rochon P A. Preventing pressure ulcers: a systematic review. JAMA. 2006;296(8):974784.	Prevention
415531	How effective is repositioning in the prevention of ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Physical therapies				This submission was a variation of one which was prioritised. Priority 1 This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 27 [+2 hourly +night time repositioning +4hourly [+stroke patients +dementia +bariatric +cachexic +using a pressure relieving mattress +surgical patients +hospital in-patients +brain injury +hospitals/institutions				Prevention
415429	How effective is staff training at preventing pressure ulcers?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Education and training				This submission was a variation of one which was prioritised. Priority 3This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 13(though one person asks 2 - nurses at home and those recruited overseas) This uncertainty was also suggested for the following patients and interventions:[+specific groups, SI, neurological conditions, those paralysed or unable to communicate, young people with SB] Staff= hospital nurses, district nurses, nurses recruited from overseas, professional carers, GPs, medical students	Flodgren G, Rojas-Reyes MX, Cole N, Foxcroft DR. Effectiveness of organisational infrastructures to promote evidence-based nursing practice. Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD002212. DOI:10.1002/14651858.CD002212.pub2.			Prevention
415437	How effective is the application of moisturisers in preventing ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Drug				This submission was a variation of one which was prioritised. Priority 12This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3		Moore ZEH, Webster J. Dressings and topical agents for preventing pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 10. Art. No.: CD009362. DOI: 10.1002/14651858.CD009362.		Prevention
415637	How effective is the application of sugar to pressure ulcers to promote ulcer healing?	Uncertainties identified from carers' questions	Existing relevant systematic reviews are not up-to-date		Drug							O'Meara SM, Cullum NA, Majid M, Sheldon TA. Systematic review of antimicrobial agents used for chronic wounds. British Journal of Surgery 2001; 88: 4-21.	Ulcer Healing
415586	How effective is the role of Community Nurses or District Nurses in educating carers in the best way to prevent pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Education and training								Ulcer healing
415573	How effective is ultrasound in identifying potential pressure ulcers?	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Diagnostic	Devices							Prevention
415424	How frequently should people at risk of pressure ulcers change positions in order to prevent pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Physical therapies				This submission was a variation of one which was prioritised. Priority 1This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3 This uncertainty was also suggested for the following patients and interventions: [+wheelchair users, people with Multiple Sclerosis]				Prevention
415452	How often is it best to turn people with pressure ulcers to prevent further damage and aid healing?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Physical therapies				This submission was a variation of one which was prioritised. Priority 9This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3	Moore ZEH, Cowman S. Repositioning for treating pressure ulcers. Cochrane Database of Systematic Reviews 2012, Issue 9. Art. No.: CD006898. DOI: 10.1002/14651858.CD006898.pub3			Ulcer healing
415505	How useful are Parafacta fabrics in healing ulcers?	Uncertainties identified from patients' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices					McInnes E, Dumville JC, Jammali-Blasi A, Bell-Syer SEM. Support surfaces for treating pressure ulcers. Cochrane Database of Systematic Reviews 2011, Issue 12. Art. No.: CD009490. DOI: 10.1002/14651858.CD009490			Ulcer healing
415650	In patients who have pressure ulcers, would a supporting frame be a more effective means of relieving pressure than an air bed?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Devices								Ulcer Healing
415634	Is debridement an effective treatment in ulcer healing?	Uncertainties identified from carers' questions	No relevant systematic reviews identified		Physical therapies	Surgery							Ulcer Healing
415589	Is increased staffing and skill mix more effective in healing pressure ulcers than reliance on alternating air mattresses and other equipment for those at high risk?	Uncertainties identified from clinicians' questions	Reliable up-to-date systematic reviews have revealed important continuing uncertainties about treatment effects		Devices	Service delivery				Flodgren G, Rojas-Reyes MX, Cole N, Foxcroft DR. Effectiveness of organisational infrastructures to promote evidence-based nursing practice. Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD002212. DOI:10.1002/14651858.CD002212.pub2.			Ulcer healing
415440	Is massaging pressure areas effective in the prevention of pressure ulcers?	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Physical therapies				This is an indicative uncertainty. This or a similar uncertainty was submitted the following number of times in the survey: 3 This uncertainty was also suggested for the following patients and interventions:[+improving blood flow and]				Prevention

