Lvme Disease PSP completed 2012														
Indicative Uncertainty		Why is there	What is		Which types	Which types	Which types	Which types Which types	Original uncertainty		Systematic reviews in	Systematic reviews that need	Ongoing controlled trials	Which outcomes?
		uncertainty?	person's age?	treatments? 1	treatments?	treatments?	treatments?	of treatments?		uncertainty	preparation	updating or extending		
Acupuncture, QiGong, graded exercise, or other alternative therapies for Lyme disease	Uncertainties identified from	No relevant systematic reviews identified	Any age	Complementary therapies	Physical therapies				Research into the treatment of Lyme arthritis - should this be the same as for rheumatoid arthritis - are any additional therapies recommended other than drug treatment? eg acupuncture, CBT, graded exercise, QiGong, etc					Change in symptoms; adverse effects or complications; and cost
Allicin for Lyme disease	carers' questions	No relevant systematic	Any age	Drug					This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty					Eradication of Infection: improvement of
	identified from patients' questions	reviews identified	,						captured all of the following submissions: How can we incorporate extremely beneficial natural antibiotics with NHS funded treatment? I have been taking Allien from Afficial international and it has killed all forms of the furne beachers and postbarishing Beabesian as co-infection. No necessary of a switching between different antibiotics and no nastry side effects as it is a natural product. More research is definitely required into natural antibiotics and their activement beneficial effects.	i				symptoms
Altered blood pH for Lyme disease	Uncertainties identified from patients'	No relevant systematic reviews identified	Any age	Drug					Indition an intellects and melt externed benefits a energy.  This is an indicated, and melt externed benefits a energy.  This is an indicated and melt externed benefits a energy and the Steering group felt the above uncertainty captured all of the following submissions: Can chronic Lyme disease be treated by slightly altering blood pH so the blood is slightly more alkaline than acid and the steering submissions.					Eradication of Infection: improvement of symptoms
Alternating different antibiotics for Lyme disease	Uncertainties	No relevant systematic	Any age	Drug					This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty					Eradication of infection
	identified from patients' questions	reviews identified							captured of if the following submissions: Is there any evidence that shows a patient recovers more quickly and more lastingly on intravensity interests of the property of the					
Antibiotic gels for the prevention of Lyme disease in patients with tick bites	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug					This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions: Is there a way of preventing catching Lyme's, e.g. vaccine or get?				Prevention of Borrelia infection and prevention of borreliosis through application of a gel, within three days, o the site of the tick bite (EUCTR2011-	Prevention of Lyme disease symptoms; adverse effects or complications; and cost n
	Uncertainties	No relevant systematic	Any age	Drug					This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty				000117-39-DE)	Eradication of Infection: improvement of
Lyme disease after a negative serological test	identified from clinicians' questions	reviews identified							captured all of the following submissions: should doctors attempt to treat people with symptoms of Lyme disease when the lab test is negative, as a therapeutic trial, particularly when there is a typical history, symptoms and signs?					symptoms
Antibiotic treatment based on clinical suspicion	Uncertainties identified from	No relevant systematic	Any age	Drug	Service				This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty					Prevention of Lyme disease symptoms;
versus waiting for serology results in possible Lyme disease	identified from clinicians' questions	reviews identified			delivery				captured all of the following submissions: should you treat immediately on clinical suspicion alone or await the result of blood tests Should you proceed with treatment before serology results come back?					Change in symptoms; eradiction of infection adverse effects or complications; and cost
Anthistamines for dermatomal itching associated with Lyme disease	Uncertainties identified from	No relevant systematic reviews identified	Any age	Drug					This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions: When symptoms continue, and further antibiotic treatment is refused, is there any problem with					Improvement of symptoms
•	patients' questions								long term (for years) anti-histamine treatment in the over 65s for symptoms such as dermatomal itching?					
Appropriateness of US guidelines for early Lyme disease in treating UK and European cases	Uncertainties identified from carers' questions	No relevant systematic reviews identified	Any age	Mixed or complex	Drug				This is an indicative uncertainty, and the following questions were submitted to the survey, and the Sheering group left the above uncertainty captured all of the following submissions: What is the most effective treatment for Uffurceponal test stage Lymn envolvoorrieosis? Can the results of treating early stage disease and the American form of the disease be confidently extrapolated to UK/Europe?					Eradication of infection
Are continuing symptoms of Lyme disease following conventional recommended treatment	Uncertainties identified from	No relevant systematic reviews identified	Any age	Diagnostic					This is one of the Lyme Disease Ranked top ten priorities. This is an indicative uncertainty, and the following guestions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions: ? Are continuing symptoms following					Change in symptoms: adverse effects or complications, acceptability to patient and
following conventional recommended treatment due to continued infection, or an immune response or other process?	patients' questions								his survey, and the Seering group left the above uncertainty captured all of the following submissions: 7-ker continuing symptoms following another continuing symptoms following instructions of an immune system involvement (such immune diseases)? Flow much of the symptoms and disability in chronicalise stage Lyme neuroborenizatis is due to the direct response to infection inflammation and how much is due to auch immune grapheness and such immune grapheness and such immune grapheness and such immune grapheness and such label tested for 70 follows Lyme diseases (graph and befinning follows). The chronic lyme deceases a real condition, or are					clinician; and costs
Are there long-term consequences for lyme	Uncertainties identified from	No relevant systematic	Any age	Diagnostic					This is one of the Lyme Disease Ranked top ten priorities. This is an indicative uncertainty, and the following questions were submitted to					Change in symptoms: adverse effects or
disease if treatment is delayed?	carers' questions	reviews identified							the survey and the Steering group left the above uncertainty captured all of the following submissions Can [give bloot? Can I donate my organs?'s there are violence of placental transmission from indected mother to focust?" call brearing be transmitted from breast milk to a feeding baby? Can lyme disease be transmitted between individuals? Bodfly fluids, blood transfusions, sexually and pregnancy?					complications, acceptability to patient and clinician; and costs
Artesunate for Lyme disease	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug					This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: How effective is artesurate in treating Lyme? Can it also be used to treat other co-infections?					Change in symptoms; eradication of infection; adverse effects or complications; and cost
Can Lyme disease be transmitted via other means?	Uncertainties identified from	No relevant systematic reviews identified	Any age	Diagnostic					This is one of the Lyme Disease Ranked top ten priorities. This is an indicative uncertainty, and the following guestions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions How common is relapse of infection					Transmission
	patients' questions								the survey and the Steering group (sift the above succentrally captured all of the following submissions Nov Common is relapse of infection (Collision) the standard vinderinch-based 25 days of and disrupplient tentanted it later stage). Due reprive to relapse than LD treated at an early stage? It tentanted fallow related to gender, differences in infecting Bornial strains or any particular risk groups? Once the presence of a conflection adversely affect outcome in Lyme bornicosis? Can Lyme disease be transmitted via other means: person to person sexually, tearsplacentally or by treats feeding; through organ diseases, the change the contraction of the					
Clinical course of action when a patient undergoing treatment for Lyme disease experiences a second tick bite	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified	Any age	Drug					This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: How long do you treat for if further tick bite during initial 2-3week course of antibiotics?					Eradication of infection; adverse effects or complications; and cost
Combined treatment with macrolides and hydroxychloquine for Lyme disease	Uncertainties identified from patients'	No relevant systematic reviews identified	Any age	Drug					This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions: Are macrolides with hydroxychiloquine a valid combination of treatment to target both the cyst form and the soprocheaf form of B burdoxifen?					Eradication of infection
Comparison of initial antibiotic regimens for Lyme	guestions Uncertainties	No relevant systematic	Any age	Drug					This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty					Eradication of infection: adverse effects or
disease where both options are less than one month	identified from clinicians' questions	reviews identified	,						captured all of the following submissions: Optimal treatment at various stages including minimum duration i would like to lowe how long a course of treatment and obtained as all each stage for optimal successful engight of insufant of enablication, bear learned of disagration countries and the stage of the stage o					complications; and cost
Criteria for prophylactic treatment, and choice of antibiotic regimen, to prevent Lyme disease following a tick bite	Uncertainties identified from clinicians' questions	Relevant reliable up-to- date systematic reviews do not address continuing uncertainties about treatment effects	Any age	Drug					his is an indication uncertainty, and the following questions were submitted to the survey and the Steering group foil the above uncertainty groups and experts of a steering prought of an indication of the steering property of the steering proper			Warshafsky S, Lee DH, Francois LK, Nowakowski J, Nadelman RB, Wormser GP. Efficacy of antibiotic prophylaxis for the prevention of Lyme disease: an updated systematic review and meta- analysis. J Antimicrob Chemother. 2010 Jun;66(6):1137-44. (10.1093/jac/dkq097)		Prevention of Lyme disease symptoms; adverse effects or complications; and cost
Detoxification therapy for Lyme disease	Uncertainties identified from patients'	No relevant systematic reviews identified	Any age	Drug					This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: How important id detaxification whilst taking medication for Lyme /co-infections and what are the best detaxifications products/imedications to take.					Eradication of Infection: improvement of symptoms
Dietary interventions during recovery from Lyme disease	Uncertainties identified from patients'	No relevant systematic reviews identified	Any age	Diet					This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions: What is the role of diet in the recovery process from Lyme Disease? What is the role of diet in the recovery process from Lyme Disease? What is the role of diet in the recovery process from Lyme Disease? What is the recommended diet for calents with time Disease? What is the role of diet and					Change in symptoms; adverse effects or complications; and cost
Dietary supplements, herbal medicines, or other	guestions Uncertainties	No relevant systematic	Any age	Drug	Complementar			<del>                                     </del>	seeing a nutrion as well as plenty of sleep and excepse Are there any alternative therapies/ herbal medications that are effective against Lyme/ Co-infections and can they be utilised in conjunction				<del>                                     </del>	Change in symptoms: eradication of
alternative medications for Lyme disease when taken in combination with conventional treatment,	identified from patients' questions	reviews identified	, ,		y therapies				with conventional medicine?					infection; adverse effects or complications; and cost
Effect of antibiotic treatment on the results of serological tests for Lyme disease	Uncertainties identified from patients'	No relevant systematic reviews identified	Any age	Drug					This is an indicative uncertainty, and the following guestions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions: Current ELISA Net Sets: clear guidance needed when this may not show a positive result eg too soon or to long after a bite and whether a recent occurse of ambibios affects the nesult. 9 on ambibios at the time of thick bites, does this					Accuracy of serological tests for Borellia sp
Effect of time from infection to commencement of treatment on Lyme disease outcomes	questions Uncertainties identified from clinicians'	No relevant systematic reviews identified	Any age	Drug					powent Lyme disease? If not, does it affect the reliability of the blood tests?  This is an indicate uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: Are there longterm consequences if treatment is delayed?					Prevention of Lyme disease symptoms; Change in symptoms; eradiction of infection adverse effects or complications; and cost
Exercise interventions during recovery from Lyme	guestions Uncertainties	No relevant systematic	Any age	Exercise	1	1	<b> </b>	<del>                                     </del>	This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty				<u> </u>	Change in symptoms; adverse effects or
disease	identified from patients' questions	reviews identified	,,						This is an indicative uncertainty, and the following questions were submitted to the survey, and the Siberrig group field the above uncertainty groups and the results of the first operation of all of the following plannessions: White multilering from fittings during Jume disease is exercise harmful or beneficial? How much exercise and what type is best to aid health improvements when or instament? Exercise is, it goods its bublether and or elevance broadle be persosteded for Jume sufferers, who are other exhausted and who sleep for long periods each day at certain phases of the filters? Exercise? It is good or to budden for the period of					complications; and cost
Fixed courses of antibiotics versus continuing until all symptoms are resolved in Lyme disease	Uncertainties identified from	No relevant systematic reviews identified	Any age	Drug					seeing a nutrion as well as plenty of sleep and exceptise.  Should antibiotic treatment continue until after all symptoms have disappeared, cd57 is in normal range etc or should it be stopped earlier and the immune system supported so that it can get on top of the remaining infection?					Eradication of infection; change of symptoms; adverse effects or complications
use resource in Lyttle disease	patients'								-y					and cost

					,									
Heavy metal chelation for Lyme disease	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug	Complementar y therapies					What is the difficacy of heavy metal chelation as treatment for someone with chonic Lyme who has not improved after fong courses of antibiotics?	This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions: What is the efficacy of heavy metal chelation as treatment for someone with chronic Lymwho has not improved after long occurses of antibiotics?	,		Change in symptoms, adverse effects or complications; and cost
Home versus hospital-based intravenous antibiotic	Uncertainties	No relevant systematic	Any age	Drug	Service					This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty				Eradication of infection
treatment for Lyme disease	identified from patients' questions	reviews identified			delivery					captured all of the following submissions: How cost-effective/safe is home IV antibiotic treatment for Lyme borreliosis vs Hospital based treatment?				
Homeopathy for Lyme disease	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Drug	Complementar y therapies	r				This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: I have been cured of Jurne disease by homeopathy? Have you looked into this? What thoroughts and satemative treatments (not chemical based) can help with killing Jurne Disease? I was diagnosed with Lyme disease using a Quantum OXCISGIO disease/site system and can be a Quantum OXCISGIO disease/site system and can be a Quantum OXCISGIO disease/site system and can be a Quantum OXCISGIO disease/site system and the property of the propert				Change in symptoms; eradication of infection; adverse effects or complications; and cost
Now common is reliquee and treatment failure in lyme disease?	Uncertainties identified from carers' questions	No relevant systematic reviews identified	Any age	Diagnostic						This is one of the Lyme Decease Revised top ten priorities. This is an indicated uncertainty, and the following questions were submitted to the survey and the Storring group let the decision uncertainty designed at the following submissions With raising the preferring bear in the survey and the Storring group let the decision uncertainty and an extra of the survey and the Storring group let the decision of the preferring bear of the survey and the survey of the surve				Relapso
How effective are the current UK tests in detecting Lyme disease infections due to the genospecies and strains of B burgdorferi all in the UK?	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Diagnostic						has be one of the Lyme Disease Reliefed top time provides. This is an indicative uncorrainty, and the following questions were submitted to the survey and the Serring rigous (left the boun contrasting requested and the following submissions is a Week stream set efficient as years? What are the long-term outcomes of ambitiois treatment of 2 weeks, versus servail months or years? Does the long generation time of a broughterin servail must all supergovaries resements it likely to be encessary than most to be other efficience as them any studies of patients who have recovered on long term unbolation? In their evidence that the Lyme Disease Pradictionar Circicians who tent their patients who have recovered on long term unbolation? In their evidence that the Lyme Disease Pradictionar Circicians who tent their patients who have recovered to the contrast the contrast the long of the evidence of the contrast threat services and the longer contrast the longer of t				Diagnostic
Immunosuppressive drugs for Lyme disease	Uncertainties identified from patients'	No relevant systematic reviews identified	Any age	Drug						This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: Are continuing symptoms following an				Change in symptoms; eradication of infection; adverse effects or complications; and cost
Interventions for facial palsy associated with Lyme disease	Uncertainties identified from patients'	No relevant systematic reviews identified	Any age	Drug						This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions: What is the next treatment for facial poley due to tyme disease. <sup>7</sup> in a patient with probable Lyme Disease A recent ones Bell's paley - on ambitions need not be continued until the Bell's paley has resolved?				Improvement of symptoms
Interventions for failure of the initial course of antibiotics for Lyme disease	Uncertainties identified from patients'	No relevant systematic reviews identified	Any age	Drug						This is an indicative uncontrainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions: If symptoms continue after initial treatment, should treatment be continued for a forger time, at a higher doze or with a different antibiotic?				Eradication of infection; Change in symptoms; adverse effects or complications; and cost
Interventions for neuropathic pain in Lyme disease	Uncertainties identified from carers' questions	No relevant systematic reviews identified	Any age	Mixed or complex	Exercise	Drug	Psychological therapy	Physical therapies	Complementa y therapies	This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions: We there effective treatment options for neuropathic pain and discomfort caused by Lyme disease or prepatability ababaenith, antidepressants?				Change in symptoms; adverse effects or complications; and cost
Interventions for psychiatric symptoms associated with Lyme disease	Uncertainties identified from patients'	No relevant systematic reviews identified	Any age	Psychological therapy						(S) place, place and a subsequents, although testables.  This is an indicate uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty, and the following submissions: What research is being carried out about the effects of Bornelia Burgdorfer on the brain and mental functions? ((in fol gaile sense hat results from Lym disease, the deterioration in memory that results, but not manufal functions?)				Change in symptoms; adverse effects or complications; and cost
Interventions for relapse in Lyme disease following completion of treatment regimen	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified	Any age	Drug						This is an indicative uncertainty, and the following operations were submitted to the survey and the Steering group felt the above uncertainty properties of the developer of the survey and the survey of the surve				Eradication of infection; Change in symptoms; adverse effects or complications; and cost
Interventions to aid staying at or returning to work during or following Lyme disease	Uncertainties identified from patients'	No relevant systematic reviews identified	Adult	Mixed or complex	Exercise	Psychological therapy	Complementar y therapies	Physical therapies		This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: Whose should Lyme disease patients try to work or would they be better concentrating on trying to recover without the stresses and strains that work inevitably brings?				Change in symptoms; return to work; adverse effects or complications; and cost
interventions when Lyme disease symptoms are failing to respond during treatment	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug						This is an indication uncertainty, and the following questions were submitted to the survey and the Sizering group fail the above uncertainty groups and the following pulsars some sizering and produce of the following collections or the groups of the sizering the sizering and the sizering sizering and the sizering sizering and the sizering siz				Eradication of infection; Change in symptoms; adverse effects or complications; and cost
Intravenous cetraxone for late Lyme disease	Uncertainties identified from patients' questions	No relevant systematic reviews identified		Drug						This is an indicative uncertainty, and the following diseases are absoluted to the survey and the Steering group left the above uncertainty, and the following diseases are absoluted to the survey and the Steering group left the above uncertainty acquired all of the following submissions where (which is introduced cell-trained on later stage Lyme and does its effectiveness increase in combination with other drugs and if so, which notes and for how long?			A double-blind, randomised, placebo- controlled trial of prolonged antibiotic treatment after intravenous ceftriaxone in patients with (possible) persistent Lyme disease (NTEX469).	Eradication of infection
Intravenous versus oral antibiotic treatment for Lyme disease	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug						This is an indicative uncertainty, and the following questions were advertised to the survey and the Steering group fell the above uncertainty approached of the following plambiostors. Comparison of intersectors, or all multible regiments for the emplaction of bordise indexion. It is there as yet evidence that shows a patient recovers more quickly and more lastingly on intersectors recovered by the extra produce that shows a patient recovers more quickly and more lastingly on combination of unbitactor? It here any evidence that who as patient recovers more quickly and more lastingly on combination of unbitactor? It here any evidence that howe a patient recovers more quickly and more lastingly on any one regime of taking treatment, for instance by pulsing their treatment, or alternating different types of arbitrations of arbitrations?				Eradication of infection; adverse effects or complications; and cost

	Uncertainties identified from clinicians' questions questions	No relevant systematic reviews identified	Any age	Drug						This is an indication uncertainty, and the following questions were submitted to the survey and the Steering group list the above uncertainty captured aid of the following pubmissions: Optimal treatment at various stages including maximum duration is 3 weeks of artibilities are controlled in the control of the controlled of the contro				Endication of infection; adverse effects or complications; and cost
Liposomal antibiotics for Lyme disease	Uncertainties identified from	No relevant systematic reviews identified	Any age	Drug						that the Lyme Deasse Passidaricians/Clinicians who teat their patients for a number of months/years can have successful outcomes with patients for whom shorter courses of treatment have previously failed?  It is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: Effectiveness of lipocomal antibiotics.				Eradication of infection
	patients' guestions													
	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug						This is an indicate uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: What are the long-term outcomes eg after 5 years, of antibiodic treatment of 2 weeks, versus several months or years?			PLEASE Persistent Lyme Empiric Antibiotic Study Europe. A prospective, randomised study comparing two prolonged oral antibiotic strategies after initial intravenous celtriaxone therapy for patients with symptoms of proven or possible persistent Lyme disease - PLEASE (EUCTR2009-010939-40-NL)	Eradication of infection; adverse effects or complications; and cost
Methotrexate for Lyme disease	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug						This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submission: Are there other drugs sublissed for other laness, that we can be captured all of the following submission such graphs against Lyme & Co-infoctions Le. cancer drugs treatment. For example Methotropate is a cancer drug which is utilised for Rheumatoid Arthritis.				Improvement of symptoms
Metronidazole or tinidazole for Lyme disease	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug						This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty questioned all of the following publishiosists. And by the busing antibiotic (internotative) interloaded publishing objective (purpose benefit? If they are to be used, when should they be used, and in combination with which other artibiotics? Fastign (Tinductive) is a droug used to break charge that the cystshard contribute in the cystshard contribute about the publishing about the publishing and the cystshard contribute in the cystshard contribute of its colly. Similar world by, or publish and with which other drugs does it proves to be most directived for Nation exclusions behave sixting publishing from their in not "Form effective" for Nation exclusions behave sixting and from their in a visit of the contribute of the contribution of the contributi				Eradication of infection
	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Mixed or complex	Exercise	Psychological therapy	Physical therapies	Devices (	Complementar y therapies	This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: suffered 'acute the euror lyme in 2002. The received 2 weeks it subs in hosp and have largely recovered from all preprints apart from nerve damage & related pain in left foot but feet really well in myself-1 believe I am free of lyme infection. What records are there to back this also is there anything to allowing this nerve pain and be being on my feet each day other than pankillers?				Improvement of symptoms
Lyme disease	Uncertainties identified from patients' questions	Existing relevant systematic reviews are not up-to-date	Any age	Drug						This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: What is an effective treatment for chronic or disseminated Lyme disease?		Loewen PS, Marra CA, Marra F. Systematic Review of the Treatment of Early Lyme Disease. Drugs. 1999 Feb;57(2):157-73.	Migrans (NCT01163994)	Eradication of infection; adverse effects or complications; and cost
Optimal antibiotic treatment for early Lyme neuroborreliosis	Uncertainties identified from patients' questions	Existing relevant systematic reviews are not up-to-date	Any age	Drug						What is an effective treatment for neuroborneliosis? What duration of antibiotics are necessary, and which antibiotics are most effective, and in what combinations?	Cadavid D, Auwaerter P, Aucott J, Rumbaugh J. Treatment for the neurological complications of Lyme disease. Cochrane Database of Systematic Reviews. (10.1002/JARS149RS CD009978)	Loewen PS, Marra CA, Marra F. Systematic Review of the Treatment of Early Lyme Disease. Drugs. 1999 Feb;57(2):157-73.	Study of Lyme Neuroborreliosis (NCT01635530) Doxycycline and Ceftriaxone in Suspected Early Lyme Neuroborreliosis (NCT00942006)	Eradication of infection; adverse effects or complications; and cost
neuroborreliosis	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug						This is an indicate uncertainty, and the following questions were submitted to the survey and the Sterring group left the above uncertainty captured all of the Clindra youthersions. White is an effective terration for neurobordiness' JiM duration of antibiotics are necessary, and which witholds are most effective, and is what combinations? What is the most effective treatment for UKE European late stage Lyme neurobordiness'/Com the results of treating early stage diseases and the American form of the disease be confidently estrapolated to UKE Europe?	Cadavid D, Auwaerter P, Aucott J, Rumbaugh J. Treatment for the neurological complications of Lyme disease. Cochrane Database of Systematic Reviews. (10.1002/14651858.CD006978)			Eradication of infection; adverse effects or complications; and cost
Optimal antibiotic treatment for Lyme disease in patients presenting with erythema migrans	Uncertainties identified from clinicians' questions	Existing relevant systematic reviews are not up-to-date	Any age	Drug						This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions within it is the best antibiotic to use when patients present with erythema chronicum migrans? What is the optimum dozage and course length?		Loewen PS, Marra CA, Marra F. Systematic Review of the Treatment of Early Lyme Disease. Drugs. 1999 Feb;57(2):157-73.	Comparing 3 Antibiotic Regimes for Erythema Migrans in General Practice (NorTick_EM) (NCT01368341) Antibiotic Treatment of Multiple Erythema Migrans (NCT01163994)	Eradication of infection; adverse effects or complications; and cost
	Uncertainties identified from clinicians' questions	No relevant systematic reviews identified		Drug						This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: Duration and route of antibiotic treatment in lyme neuroborneliosis, arthritis?			11321011000000	Improvement of symptoms
Pulsed antibiotic regimen versus continuous course for Lyme disease	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug						This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty questions did not be following pulmessions. Whise is be most effective way to be take prescribed analyses? They pulse or White is the most useful with mobile (ii) in the feathered of Lyme. It pulse therapy a better way to treat infection rather than the stateder'd 4days of Dony'l is these any evidence that shows a patient recovers more quickly and more leastingly on intravenous estimater's the time any evidence that whose any evidence that whose a patient recovers or any evidence that the evidence of the evidence or any evidence that whose a patient recovers or any evidence that the evidence of the evidence or any evidence that the evidence of the evidence or any evidence that the evidence of the evidence or any evidence that the evidence of the evidence or any evidence that the evidence of the evidence or any evidence that the evidence of the evidence or any evidence that the evidence of the evidence or any evidence that the evidence of the evidence or any evidence that the evidence of the evidence or any evidence that the evidence or any evidence that the ev				Eradication of infection; adverse effects or complications; and cost
	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Devices	Physical therapies					This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions: I have heard that saunas are beneficial. Is there evidence of that? If so, do steam baths have the same effect?				Change in symptoms; adverse effects or complications; and cost
antibiotic treatment of Lyme disease	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug						This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: is there a different in the effectiveness of different antibiotics, against different antibiotics, against different prospectives a part of the effective left of the e				Eradication of infection; adverse effects or complications; and cost
Relevance of patient weight in choosing an appropriate antibiotic regimen for Lyme disease	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug						This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: Why is then on fine mansver about the best treatment of Lyme disease? What does of antibiotics are best depending upon the weight of the patient? How long should antibiotic treatment continue for optimum results?				Eradication of infection
Rest for Lyme disease	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Physical therapies						This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions. Number of cases in the UK, how effectivy it can be treated, how long it takes to treat, change of det and seeing a nutrion as well as plenty of sleep and executive.				Improvement of symptoms
Role of early antibiotic treatment for Lyme disease in preventing persistent infection	Uncertainties identified from clinicians' auestions	No relevant systematic reviews identified	Any age	Drug						This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty captured all of the following submissions: Does reatment with he first two weeks of acquisition of Lyme disease effectively prevent persistence of infection? (Animal model studies / human studies)				Prevention of persistent infection
	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug						This is an indicative uncertainty, and the following questions were submitted to the survey and the Stewing group left the above uncertainty questioned all the following submissions: is stationed treatment (per periodicioned) contrandicational on patients with Lymer disease. If it is prescribed for facial paley and transverse myellist, amongst other non-specific symptoms of Lymer disease. If there is a subsequent confirmation of LD, are these circumstances under which steeries show that de indicarriated? The predietes have been adviced not to take Steroided What affects do Steroids have on a Lymer patient?'s body and the disease itself? Why shouldn'? people with lyme take steroids? what ham does this cause?				Lack of adverse effects
Safety of sulfasalazine for autoimmune inflammation if active Lyme disease is present.	Uncertainties identified from patients'	No relevant systematic reviews identified	Any age	Drug						This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group left the above uncertainty and produced in the following submissions: would suffasalazine taken for supposed autoimmune inflammation be harmful if Lyme disease is still active?				Lack of adverse effects

Steroids for Lyme disease	Uncertainties identified from patients'	No relevant systematic reviews identified	Any age	Drug			This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions: What are the effects of steroids and immune-suppressive drugs on Lyme disease?					Eradication of Infection: improvement of symptoms
Tetracycline versus doxycycline for Lyme disease	duestions Uncertainties identified from	No relevant systematic reviews identified	Any age	Drug			This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty captured all of the following submissions: is there evidence that tetracycline might be more effective than doxycycline? Is there any proven					Eradication of infection
The Marshall Protocol for Lyme disease	patients' questions Uncertainties	No relevant systematic	Any age	Drug			treat for ongoing arthralgia post Lyme which was treated late but appropriately. Can the organism be identified in synovial fluid.  This is an indicative uncertainty, and the following questions were submitted to the survey and the Steering group felt the above uncertainty					Improvement of symptoms:eradication of
	identified from carers' questions	reviews identified	,				captured all of the following submissions: I have read about the Marshall Protocol for treating cronic Lyme disease. Marshall Protocol.com It is American and seems to use a different approach, but successfully - should we					infection
Treatment with a single antibiotic versus a combination of antibiotics for Lyme disease	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug			This is an indication uncertainty, and the following questions were submitted to the survey and the Steering group fall the above uncertainty, acquired all of the following plannisations. It has not explored in contrast to the survey and the Steering force and the survey and the Steering force and the survey and the Steering force and the survey and					Eradication of infection; adverse effects or complications; and cost
What are the outcomes of cases in Lyme disese where long term treatment has been used?	Uncertainties identified from carers' questions	Existing relevant systematic reviews are not up-to-date	Any age	Diagnostic			This is one of the Lyme Disease Rained top tim priorities. This is an indicative uncertainty, and the following questions were submitted to the survey and the Serring group fell the above uncertainty captured all of the following putsions; with at its the test treatment for o explications for the priorities and adults? I carry from disease in children and adults? I carry from disease in children and adults? I carry from disease in children and sally switch carecipidage inhowment? I sall by temperating the encoderation and adults? I was diseased to the adult of the sall the disease? The sall the disease is the sall the sall the sall the disease? The sall the disease is the sall t		Cadavid D, Aurwanter P, Aucott J, Rumbaugh J. Treatment for the neurological complications of Lyme disease. Cochrane Database of Systematic Reviews. (10.1002/14651858.CD006978)	Loewen PS, Marra CA, Marra F. Systematic Review of the Treatment of Early Lyme Disease. Drugs. 1999 Feb;57(2):157-73.	Antibiotic Treatment of Multiple Erythems Migrans NCT0163948 Study of Lyme Neuroborreliosis NCT01639530 Doxycyclina and Cethraxone in Suspected Early Lyme Neuroborreliosis NCT00942006	Change in symptoms: adverse effects or complications, acceptability to patient and clinician; and costs
What is he best treatment for children and adults presenting with a partly tyme disease without neurological involvement and not including crytheam arginas and b) late Lyme disease of any manifestation?	identified from patients'	No relevant systematic reviews identified	Any age	Drug			This is one of the Lyme Dosean Resided by pin priorities. This is an indicative uncertainty, and the following questions were submitted to be accessed and the following priorities of the priorities. This is not indicated to the following priorities where the segment course of scale for accessed priorities. The priorities of the priorities of affective antibiotic be used and what is the course of action if treatment appears to fall completely? In the treatment of early type Dosean is guidants with sprince represents—a glieble, mylegia. The original value of priorities are priorities and the priorities of the priorities are priorities. The priorities are priorities are sprinced in a priorities of the priorities are sprinced and the priorities are priorities and the priorities are					Change in symptoms: adverse effects or complications, acceptability to patient and clinician; and costs
What is the optimal course of action for Lyme disease if symptoms relapse after a treatment course is finished?	Uncertainties identified from patients' questions	No relevant systematic reviews identified	Any age	Drug			This is one of the Lyme Disease Rained by the priorities. This is an indicative uncertainty, and the following questions were submitted to the survey and the Settlems (group left the above numerating required all the following submissions: Would a Pringipling table? to beautiful in adding diagnosis (e.g. scoring symptoms, signs, tick appears, test results, etc. smiler to a risk calculator. What is the finequency of different properties of the priority of different properties of the priority of the priority of different properties (in the priority of the priority of different priority of the priority					Change in symptoms: adverse effects or complications, acceptability to patient and clinician; and costs
persist in Lyme disease after initial treatment?	Uncertainties identified from carers' questions	No relevant systematic reviews identified	, , ,	Drug			This is one of the Lymn Disease Revised by the priorities. This is an indicative uncertainty, and the following questions were submitted to the surveys and the Surreging group fait the devise uncertainty operation and of the followings pursissions: is familiar that a patient will benefit to be a survey and the Surreging group fait the above uncertainty operation of the devised priorities of the survey and the survey of	?				Change in symptoms: adverse effects or complications, acceptability to patient and clinician; and costs
What key questions (clinical and epidemiological) should be considered to help make a diagnosis of Lyme disease in children and adults in the UK?	identified from	No relevant systematic reviews identified	Any age	Diagnostic			This is one of the Lyme Disease Ranked top ten priorities. What key questions (clinical and epidemiological) should be considered to help make a diagnosis of Lyme disease in children and adults in the UK and would a weighting table be useful?					Diagnosis: change in symptoms: adverse effects or complications, acceptability to patient and clinician; and costs