<u>History</u>								
Date of onset of symptoms//								
Route of admission A and E	GP	Other						
Date of admission to hospital*//_ Time of admission (24 hour clock): *record time and date of admission to A and E if admitted via A and E								
Did the patient have any of the following symptoms?								
Fever or history of fever	Yes	Duration (ho	ours)	No Unknow	n 🔲			
Headache	Yes	Duration (ho	ours)	No Unknow	n 📗			
Neck Stiffness	Yes	Duration (ho	ours)	No Unknow	n 🗌			
Photophobia	Yes	Duration (ho	ours)	No Unknow	n 🗌			
Diarrhoea	Yes	Duration (ho	ours)	No Unknow	n 🔲			
Nausea	Yes	Duration (ho	ours)	No Unknow	n 🔲			
Vomiting	Yes	Duration (ho	ours)	No Unknow	n 🔲			
Myalgia	Yes	Duration (ho	ours)	No Unknow	n 🔲			
Rash	Yes	Duration (ho	ours)	No Unknow	n 📗			
Confusion	Yes	Duration (ho	ours)	No Unknow	n 🗌			
Seizures	Yes	Duration (ho	ours)	No Unknow	n 🔲			
Cough	Yes	Duration (ho	ours)	No Unknow	n 🗌			
Weight Loss	Yes	Duration (ho	ours)	No Unknow	n 🗌			
Night sweats	Yes	Duration (ho	ours)	No Unknow	n 📗			
Any other significant symptoms please	document below	w:						
Vaccination history								
Has the patient received any of the foll	owing vaccination	ons?						
Pneumococcal PPV 23	Υ [N	If ye	es when (year)				
Pneumococcal PCV 13	Υ	N	If ye	es when (year)				
Pneumococcal PCV 7	Υ	N	If ye	es when (year)				
Pneumococcal vaccine – unknown type	е Ү [N	If ye	es when (year)				
Meningococcal C	Υ [N	☐ If ye	es when (year)				
Meningococcal ACWY	Υ [N	If ye	es when (year)				
Meningococcal B	Υ [N	If ye	es when (year)				
Meningococcal vaccine – unknown typ	е Ү [N	If ye	es when (year)				
Haemophilus influenzae type B	Υ	N	If ye	es when (year)				
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Subject ID		
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Travel history							
Has the patient travelled to any	of the following	places in the la	st 12 months?				
ndia Y N How long was the patient resident there?							
Bangladesh	Y N How long was the patient resident there?						
Pakistan	Y N How long was the patient resident there?						
Sub Saharan Africa	Y 🔲 N 🔲	How long was	s the patient resident t	here?			
Has the patient travelled anywh	ere else outside	the UK in the I	ast 12 months? Y	N	Unknown		
If yes, where?							
and when did they return (month	h and year)?	_//_ (p	please enter 01 if exact day	unknown)			
Has the patient ever lived outsic	de the UK?		Υ	N	Unknown		
If so where?							
When did they move to the UK	(month and year	OR year)?					
Ethnicity							
White			Black or Black Britis	sh			
British			Caribbean				
Irish			African				
Other White			Other Black				
Asian or Asian British							
Indian			Mixed				
Pakistani			White and Black Cari	bbean			
Bangladeshi			White and Black Afric	an			
Chinese			White and Asian				
Other Asian			Other Mixed				
			Other ethnic group				
Examination							
On examination did the patient	have any of the	following?					
Photophobia	Υ	N \square	Unknown 🔲				
Neck Stiffness	Υ	N \square	Unknown 🔲				
Rash	Υ	N 🔲	Unknown 🔲				
Any focal neurology	Υ	N 📗	Unknown				
If focal neurology was present p	lease expand in	box below					
What was the patient's GCS on	admission (lowe	est value record	ded in first 24 hours)				
What was the patient's tempera	,		ŕ				

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UK Meningitis Study CRF		Subject ID
Blood results (record results near	est to date of admission)	
wcc .	x10 ⁹ /L	
Neuts .	x10 ⁹ /L	
Lymphs .	x10 ⁹ /L Platelets	x 10 ⁹ /L
Hb	g/dL (if the result at your site is in g/L please divide by	10 before inserting the value here)
CRP < 10mg/L OR	mg/L Procalcitonin	ng/ml
Sodium mmol/L		
PT .	seconds OR INR .	
APTT .	seconds	
Blood Cultures		
Were blood cultures taken?	Y	
Date and time first set of blood cultu		Time (24h):
Was blood culture positive	Y	
Blood Gram Film Result Not done Gram positive cocci ?strep Gram positive bacilli Other:	No organisms seen Gram positive cocci ?staph Gram negative bacilli	Yeast Gram negative cocci Other (expand below)
Blood Culture Result		
No growth	Streptococcus pneumoniae^	Neisseria meningitidis^
Listeria monocytogenes^ Staphylococcus aureus	Haemophilus influenzae^	Cryptococcus neoformans Other (please state below)
Other:	Lacrientina con	
^Please record serotype/serogroup		
Blood PCR		
Meningococcal PCR Pos	Neg Not done Date /_	/ Time (24h):
Please record serotype if positive		
Pneumococcal PCR Pos	Neg Not done Date /_	/ Time (24h):
Any other PCR on blood Pos	Neg Please state which below (inc	luding 16S and result)
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Subject ID		
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<u>CSF results</u>
Did the patient have an LP? Y N
If no, please give reasons:
Unsuccessful attempts Clinical contraindication Patient refused
LP no longer clinically indicated after enrolment Other (please state below)
Other:
Date and time of lumbar puncture Date// Time (24h):
Opening pressure cm CSF Not done
White cells
Red cells
Lymphocytes %
Neutrophils/Polymorphs %
Protein g/L
CSF glucose mmol/L Not done
Concurrent blood glucose**
(**must be taken within 4 hours of the LP, record capillary BM if lab glucose not done)
Crow Film requit
Gram Film result Not done No organisms seen Yeast
Gram positive cocci ?strep Gram positive cocci ?staph Gram negative cocci
Gram positive bacilli Gram negative bacilli Other (expand below)
Other:
Microscopy for AFBs Auromina Desitive Norgetive Not done
Auramine Positive Negative Not done Ziehl Neilsen Positive Negative Not done
Ziehl Neilsen Positive Negative Not done
CSF Culture result
No growth Streptococcus pneumoniae^ Neisseria meningitidis^
Listeria monocytogenes^
Cryptococcus neoformans Staphylococcus aureus Escherichia coli
Other (please state)
Other:
^Please record serotype/serogroup

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UK Meningitis Study CRF				Subject ID
CSF PCR results				
Meningococcal ^	Positive	Negative	Not done	
Pneumococcal	Positive	Negative	Not done	
HSV-1	Positive	Negative	Not done	
HSV-2	Positive	Negative	Not done	
Enterovirus^	Positive	Negative	Not done	
VZV	Positive	Negative	Not done	
Mycobacterium tuberculosis	Positive	Negative	Not done	
Other (please state)				
^Please record typing of any PC	R positive for m	eningococci or (enterovirus	
Other investigations				
Viral throat swab (enterovirus PC	CR)	Positive	Negative	Not done
Stool sample/rectal swab (enterc	ovirus PCR)	Positive	Negative	Not done
HIV Test	Known HIV	Positive	Negative	Not done
Cryptococcal antigen		Positive	Negative	Not done
Bacterial throat swab for culture		Positive	Negative	Not done
If bacterial throat swab positive p	olease state for	what		
Please document any other clinic testing).	cally significant	diagnostic inves	stigations be	low (including any further serological
		Page 5 of	: Q	

<u>Imaging</u> (please send all reports of abnormal scans to the Brain	n Infections office – anonymised)
Did the patient have a CXR performed?	No Unknown
If yes: what was the date and time of CXR? Date//	Time (24h):
Was the CXR Normal Abnormal	
Did the CXR show any features of acute pulmonary tuberculosis?	Yes No No
Did the CXR show any features of miliary TB?	Yes No No
Please expand on any abnormalities	
Did the patient have a CT head performed?	No Unknown
If yes: what was the date and time of CT? Date//	Time (24h):
Was the CT Normal Abnormal	
Please expand on any abnormalities	
Did the patient have an MRI head performed?	No Unknown
If Yes: What was the date and time of MRI? Date//	Time (24h):
Was the MRI Normal Abnormal	
Please expand on any abnormalities	

If any of the above investigations were abnormal please fax or scan an anonymised version of the relevant investigation to the UK Meningitis team.

Subject ID			
Cabjeet ID	ldot	\Box	

<u>Treatment</u>
Is the patient allergic to any antibiotics Yes No Not documented
Please document any antibiotic allergies below with reaction
Preadmission antimicrobials
Were antibiotics given prior to admission? Yes No
If yes, who prescribed/gave them? GP A and E Paramedic Other (please state)
Other:
Date and time given/started Date// Time (24h):
What antibiotic was given? Ceftriaxone/cefotaxime Benzylpenicillin Amoxicillin Other
If other, please state which
By what route were the antibiotics given?
How many doses did the patient have before admission?
Was the patient on aciclovir/valaciclovir prior to admission? Yes No
If yes, what dose and when was this started?
Please document all treatment given for meningitis (including any given on discharge) (include antibiotics, antivirals

Please document all treatment given for meningitis (including any given on discharge) (include antibiotics, antivirals and steroid therapy).

Name	Route	Dose	Frequency	Date and time of first dose	Duration (no of doses)
				//	
				:	
				:	
				:	
				:	
				:	
				:	

Subject ID				
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Final Diagnosis						
What was the final diagnosis as recorded on the discharge letter?						
What was the final diagnosis as recorded on the discharge letter:						
Which of the following was the	final diagnostic category? (See Final Diagnostic Category Cribsheet)					
Not meningitis – other viral illn	ess Not meningitis – other bacterial illness					
Not meningitis – migraine/hea	dache Not meningitis other Enteroviral meningitis					
Herpes simplex meningitis	Varicella meningitis Other proven viral meningitis					
Pneumococcal meningitis	Meningococcal meningitis Other proven bacterial meningitis					
Presumed viral meningitis	Presumed bacterial meningitis TB meningitis					
Other meningitis	Encephalitis Unknown					
3						
Date of discharge/death from I	nospital//					
Diddle and at Eq.	v.					
Did the patient die?	Yes No No					
Did the patient need ITU care?	Yes No If yes how long for (days)?					
Please record any other releva	ant comments below					
Outcomes						
Glasgow Coma Scale	e on Discharge					
Referring to descriptors below	please record the Modified Rankin Scale on admission and at discharge.					
3 1						
Modified Rankin Scale	 No symptoms at all No significant disability despite symptoms; able to carry out all usual duties and 					
	activities					
Admission	2 Slight disability; unable to carry out all previous activities, but able to look after own affairs without assistance					
Discharge	3 Moderate disability; requiring some help, but able to walk without assistance					
	4 Moderately severe disability; unable to walk without assistance and unable to attend to own bodily needs without assistance					
	5 Severe disability; bedridden, incontinent and requiring constant nursing care and					
	attention 6 Dead					
Referring to descriptors below	please record the Glasgow Outcome Score on discharge.					
	Good Recovery Capacity to resume normal occupational and social activities, although					
	Good Recovery Capacity to resume normal occupational and social activities, although there may be minor physical or mental deficits or symptoms					
GOS on	2 Moderate Disability Independent and can resume almost all activities of daily living. Disabled to the extent that they cannot participate in a variety of social and work activities					
discharge?	3 Severe Disability No longer capable of engaging in most previous personal, social or work activities. Limited communication skills and have abnormal behavioural or emotional responses. Typically are partially or totally dependent on assistance from others in daily living					
	4 Persistent Vegetative State Not aware of surroundings or purposely responsive to stimuli					
	5 Dead Page 8 of 9					
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IJK	Meningitis	Study	/ CRF
OIX	Mermigitis	Oluu	<i>,</i> Oixi

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Optional Samples

Substudies 6.9.3, 6.9.4 and 6.9.5.

Has the patient consented to having extra sample of blood/CSF taken for research purposes? Yes No

If yes, has the patient had samples taken for (please tick):

Study	Sample	Tube	Amount	Taken	Date Taken	Time Taken	
Biomarkers of infection	Blood	PaxGene (at recruitment)	2.5ml				
	Blood	PaxGene (at 3-5 days)	2.5ml				
	CSF	PaxGene	2.5ml				
Proteomics	Blood	EDTA	4.5ml				
DNA Sampling	Blood	EDTA	18ml				
	CSF	Plain	3-5ml				
Serum sample	Blood	Clotted sample	3-5ml				
Has leftover CSF been located and stored? Yes No Any comments re sampling/storage? (Please use this box to record the approximate amount of samples stored if known.)							