Appendix 3

Data extraction form adapted from Hayden and colleagues Framework

Abbreviation

MUS	Medically Unexplained Symptoms
SSD	Somatic Symptoms Disorder
IBS	Irritable Bowel Syndrome
GP	General Practitioner
BDS	Bodily Distress Syndrome
EX	Excluded
NR	Not Reported

Eligibility criteria for the title and abstract screening phase

Study design	**Assessment**	**Comment**
Is it: [1] A cohort study (prospective or retrospective) [2] A case-control or nested case-control [3] A cross-sectional study	 Yes No Unclear	
Population		
[1] Were patients high users of healthcare [2] Accrue high healthcare costs Including: high cost patients, high users, distressed high users, utilisers of care, frequent attenders in primary care, frequent attenders at an emergency department. Please answer yes if high users or high cost patients included as a sub-group. [3] Were patients with MUS included in the study defined by a recognised measure including: a standardised research interview (e.g. the Structured Clinical Interview for Mental Disorders) to generate a diagnosis of a somatoform disorder according to: DSM-III; DSM-IV-R; DSM V; ICD-9; ICD-10; or other relevant diagnostic system; a clinical assessment leading to a clinical diagnosis of a somatoform disorder according to any of the above diagnostic systems; a validated scale for the assessment of MUS, such as the Screening for Somatoform Disorders, the Bradford Somatic Inventory, or component subscales of validated standardised instruments for the assessment of general psychopathology or general health status, such as the Patient Health Questionnaire-15 (PHQ-15); or an assessment which generated a recognised symptom grouping of MUS developed for research purposes (e.g. abridged somatisation disorder, multi-somatoform disorder, bodily distress disorder, and complex somatic symptom disorder . **NB:** Please answer YES if MUS is diagnosed as a sub group	Yes No Unclear	
Are patients aged (18 years or above) **NB:** Please answer Yes if mixed age population	Yes No Unclear	
Outcomes		

Did the study report any of the following outcomes: [1] Prevalence of MUS [2] Patient characteristics and context associated with high service usage/costs among patients with MUS [3] Magnitude or risk of cost or use of healthcare associated with the presence of MUS		
Follow-up		
Were the patients followed up and adequate measures taken **NB:** Please answer Yes if adequate measure were taken and key characteristics described	Yes No Unclear	
Final decision (please tick)	Include Exclude Unclear	

Exclusion criteria

Reasons for exclusion of study from review (please circle where appropriate)	
Methods	[1] Not a cohort/case-control or cross-sectional study [2] Qualitative study
Patients	Age: <18 Physical illness/psychiatric condition: [1] Paediatric patients [2] Palliative care [3] Obstetrics [4] Patients in acute mental health settings
Intervention	[1] Testing of any intervention [2] Screening
Outcomes	No relevant outcomes assessed No data for relevant subgroup extractable
Follows-up period	No follow-up
Other	Duplicate publication Other

Inclusion criteria

Specific inclusion criteria (please include if answer is Yes to all question below)	
Eligibility criteria	
Satisfaction of eligibility criteria	Yes No Unclear
Effect sizes	
Is there sufficient reporting of statistics or data to calculate effect sizes	Yes No Unclear

Organisation

Organisational aspect		**Exclude**		**Include**
Reviewer/date:		**Checked by:**		
Author/Year				
Journal/Source				
Country of origin				

Publication type	Full text/Abstract/Book chapter/progress report/ Other – please specify			
Fate	Decision: pending/Checked reference/Use for discussion/EX without listing/EX with listing Other – please specify			
Notes				

Study characteristics

General study characteristics (please circle where appropriate)	
Location of study	
Study aims	Reported/NR
Date of recruitment	From_____ to_____ Median (range):# Mean:#
Length of follow-up of outcome of interest + length of follow-up of study	From_____ to_____ Median (range):# Mean:#
Outcome assessed	Did the study report any of the following outcome: [1] Prevalence of MUS [2] Patients characteristics and context associated with high service usage/costs among patients with MUS [3] Magnitude of cost or use of healthcare associated with the presence of MUS Other *(please specify)*
Outcome definition	
Relationship between outcome and relevant factor	Is the relationship statistically significant? Yes/No OR/mean difference:# If No, is it due to: Low powered or inconclusive study/A true negative study
Power calculation	Yes/No/Not reported Calculated sample size:# Sample size achieved: Yes/No
Funding	Unclear NR Please state where reported
Conflict of interest statement	Yes/No/NR

Baseline characteristics of patients **(please circle where appropriate)**			
	Exposure	Control	Notes: Any relationship with outcomes? Yes/No/NR If Yes Please state if statistically significant and OR/mean changes in continuous values
Overall comment: Significant/Insignificant			
Number of patients			
Age range (if reported0 Mean			
Ethnicity No%			
Gender No%	Male: Female:	Male: Female:	
No of patients screened for MUS			
No of patients recruited			
No of patients allocated			
No of patients evaluated			
No of dropouts			
Reasons for dropouts			
Number of protocol violations			
Definition of MUS [1] Clinical interview [2] Standardised questionnaire Please circle all that applies and list all			
Status of patient at recruitment Any treatment for any comorbidities If treated: Please state What treatment Duration			
Adverse event? Yes/No *If Yes please state*			

Observational study characteristics **(please circle where appropriate)**	
Sample size	
Number of excluded patients	
Recruitment method	
Type of observational study	Cohort studies (prospective/retrospective) Case-control studies/nested case-control Cross-sectional studies
Are group comparable	Yes/No If No, please specify
Any confounders?	Yes/No If No, please specify
Analysis	
Drop outs stated	Yes/No If Yes:# in each group

Outcome details

The following table have been copied for every relevant outcome assessed (please fill out fields only where applicable)

Outcome assessed **(please state where relevant)**	
Definition of each outcome	
Time of assessment of each outcome (post MUS)	
Timing of assessment	
Length of follow up for each outcome	
Method of measurement	
No of patients evaluated for each outcome, as stated above	

Methodological quality summary for observational studies					
Reviewer/Date:			Checked by:		
Contents (please refer to tables below for guidance	Yes	Partly	No	Unsure	Comments
Study participation					
Study attrition					
Measurement of prognostic factors					
Measurement and controlling for confounding variables					
Measurement of outcomes					
Analysis approach					
Summarised validity	Low risk of bias		Moderate risk of bias		High risk of bias
Remarks:					