## Data Collection Form: Initial Data Analysis Systematic Review

Study details			
Reference		Journal	
Was a statistician a co-author?	Yes 🗌 🛛 No 🗌		
Years of patient selection		Countries	
Number of study		Sample	
centers		size	
Data source	e.g. single hospital, registry		

Aims of the Study	Statement of aim
Model(s) for the primary aim	GLM Survival Other
Main statistic of interest	OR HR Other

A	
Answer* yes-no	Explanation or Examples "Data quality checks were performed."
0 1 2	<i>"Variables with more than 10% missing data were …</i> "
Location	
0-1-2 Location	"Continuous variables were summarized with means and standard deviations."
0-1-2 Location	e.g. data summary of a few selected variables
0-1-2 Location	Table of patient characteristics with missing data for variable
0-1-2 Location	e.g. histogram, bar charts, or boxplots
0-1-2 Location	n (%) for each variable, reasons for missingness
0-1-2 Location	Ŭ
0-1-2 Location	e.g. correlations
0-1-2 Location	e.g. table of characteristics stratified by groups
	$\begin{array}{c} 0-1-2\\ \text{Location} \\ 0-1-2\\ \end{array}$

Were associations between non-outcome variables included in a figure Were there transformations for non-outcome variables? (not pre-planned)	0-1-2 Location 0-1-2 Location	e.g. scatter plot e.g. categorization, log- transform		
Outcome variables				
Was there a description of methods?	0-1-2 Location	"Cumulative incidences were calculated"		
Was a description presented in the text?	0-1-2 Location	e.g. Mean follow-up, number of events		
Was a description presented in a table?	0-1-2 Location	e.g. mean (standard deviation) for continuous outcomes		
Was a description presented in a figure?	0-1-2 Location			
Did this include item missingness?	0-1-2 Location	n (%) for each variable, reasons for missingness		
Were there transformations for outcome variables? (not pre-planned) Was unit missingness reported?	0-1-2 Location 0-1-2	e.g. categorization, log- transform		
	Location			
Repeated Measures				
For repeatedly measured variables is the frequency of missingness described?	0-1-2-NA Location	e.g. proportion of missingness over time		
Are data properties described for cluster variables?	0-1-2-NA Location	e.g. centers, years, instruments		
*0=not mentioned, 1=mentioned, 2=sufficient detail, NA=not applicable. Location: introduction, methods, results, discussion, supplement				

Refining or updating the analysis plan		
Item	Answer*	Explanation or Examples
Was there a change in analysis plan noted in the paper?	0-1-2-NA Location	
Due to unexpected values	0-1-2-NA Location	e.g. exclusion of variables or of subjects
Due to distribution of a variable	0-1-2-NA Location	e.g. needing transformation
Due to data properties	0-1-2-NA Location	e.g do not fulfill requirements of model
Due to missing data	0-1-2-NA Location	
Due to unexpected population heterogeneity	0-1-2-NA Location	e.g. leading to subgroups, stratification
0=cannot be determined, 1=yes, but impact not stated, 2=sufficient detail, NA=not applicable		

Location: Introduction, methods, results, discussion, supplement