

Additional file 4 – Data charting form

Table 1: Data charting form

Question no.	Data item	Question	Possible Answers	Multiple answers possible
1	Objective and background of the publication/project	What is the objective of the project? Why did the authors developed the CDSS?	Open answer	Yes
2	System or project name	What is the system or project name of the CDSS?	Open answer	Yes
3	Functionality	What is the functionality that performs decision support (e.g. machine learning)?	Open answer	Yes
4	Type of clinical data	Which clinical data is used for the basis of decision support?	<ul style="list-style-type: none"> • Clinical data • Phenotypic data • Genetic data • Patients questionnaire • Literature databases • Other 	Yes
5	Rare diseases covered	Which rare diseases are covered by the CDSS?	Open answer	Yes
6	Development status	What is the development status of the CDSS?	<ul style="list-style-type: none"> • Fully developed system • Clinical prototype 	No
7	System availability	Is the system available for usage?	<ul style="list-style-type: none"> • The system can be downloaded, no registration necessary • The system can be downloaded, subject to registration 	No

			<ul style="list-style-type: none"> • The system can be used online and free, subject to registration • The system can be used online and free, no registration necessary • The system is not available for personal 	
8	Data entry and integration	How is data entry organized (e.g. with forms)? Can data be automatically transferred to the CDSS?	<ul style="list-style-type: none"> • Data entry is only possible with forms • No information available • Data entry with forms and data upload is possible • REST-API available • Data upload is possible • ETL processes 	Yes
9	Last software update	In which year was the last software update of the CDSS released?	<ul style="list-style-type: none"> • Information available (Version number, date) • No information available 	No
10	Current clinical usage	Are there information about the CDSS available regarding clinical usage (e.g. amount of patient cases, amount of users, participating hospitals)?	<ul style="list-style-type: none"> • Information available • No information available 	No