Framework Hallmark Valid Serious Games

	Category	Item	Question
Game description		Operating System	On what operating system(s) does the game run?
	General description	Version	Which version of the game is this? Also, how would you type this this game (alfa, beta, release version)?
		Web-link	What is the web-link for the game?
		Category: Commercial project, non-commercial	r How would you categorize this game?
		Access	Please specify access to the game? Why did you choose this type of access? Please fill out Name, address, webpage, contact person(s), email address, phone
	Developer, Owner/Distributor	Information about the manufacturer	and fax number of the manufacturer Please fill out Name, address, webpage, contact person(s), email address, phone
		Information about the owner/distributor	and fax number of the owner/distributor of the game
		Information about the funding acquired for the de	e Please fill out funding sources, name of companies and organisations
	Sponsoring / Advertising	Advertisements	Is the game free of commercial pop-ups and/or advertisements?
			If not what is advertised? What is the rationale for using advertisements?
		Sources of owner/distributor's income	Is the game free for users? Is it a pay-per download? Please specify
			Are there sources of income within the game?
			What are the sources of income of the owner/distributor?
	Conficts of interest	Affiliations of owner/distributor	What affiliations do the publishers have that could influence content or user group?
			What interests do the publishers have that could influence content or user group?
		Disclosure	Are conflicts of interest disclosed?
Rationale	Purpose	Goal or purpose	If yes, do people have to accept the disclosure before they can play the game? What is (are) the purpose(s) of the game? Please describe the goal outside the game in one sentence
			Is (are) the purpose(s) disclosed to user?
		Medical device	Is the serious game a medical device, or not?
		User group	If yes, which class? If yes, does it comply to the necessary requirements (FDA-approval, CE-mark?). Please upload necessary information. Please state the intended user group. And specify for each user group the applicable disease/condition of healthcare profession Please specify within the user group the demographic variables important to the game, like gender, age range, or other relevant descriptive items?
		Setting	is the game used in research/ patient care/ training courses - if so specify
Functionality	Purposes / didactic features	For every purpose of the game:	
		Learning	What will the player learn? Describe the learning or behavioral objectives of the game
			How are these objectives translated into gameplay and functionalty of the game?
		Instruction	Are there any in-game instructions, tutorials? If so, please specify.
		Assessment (progress) in game	What parameters are used to measure/follow progress or learning effects?
			What kind of feedback is provided to players?
	Restrictions and limits	Restrictions and limits of the serious game Potential undesirable effects Disclosure	Every serious game has restrictions and limits. In your opinion what content on the subject is NOT covered by the game Please state potential undesirable effects. This does not include "gaming the game" (cheating), but effects of negative transfer of learning. Is this dislosed to the user? Please state measures taken to prevent undesirable effects

Validity	Design process	Design process	Were medical/content/ educational experts involved in the design process from the start? Please specify how? Also add documentation showing this involvement
	User testing	User testing	Were representatives of the user group involved in the design process from the start? Please specify how? Also add documentation showing this involvement Did user testing take place? What were the results, and how were these incorporated in the design? Please add documentation (reports, articles e.g.)
	Stability	Stability	Does the game produce the same results on different platforms?
		Content validity Concurrent validity Predictive validity	Were relevant experts involved in the validation of the content of the game validated? Please add documentation/reports/articles How does learning outcome compare to other methods assessing the same construct. Please add documentation/reports/articles Is this game able to predict improvements of skills? Was this game for the target group validated in a RCT? Has the the study been published in a peer-reviewed journal? Please add documentation/ reports/ articles
Data protection	Data protection and privacy	Data processing	Please elaborate on (if appropriate) information about data collection mechanisms integrated into the serious game To which countries is the game distributed?
		Patient/ player privacy	Are patient-specific data stored by the game? If yes, are patient informed consent criteria met according to laws in countries stated above? How is informed consent acquired?
		Data storage and protection	Who owns and stores the data resulting from play?
			During what period are the data stored?
			Can user delete data temporarily and/or permanently? Is data stored and managed in compliance with the privacy laws of the relevant countries? Please specify
		Disclosure	Are the abovementioned items on data privacy disclosed to the user?