Dental Research Administration Study Design Checklist

Survey Study

This checklist is based on the guidelines for research at the Tufts University School of Dental Medicine. By following the checklist, researchers can develop their studies more efficiently. Please note that this is not necessarily comprehensive, and some items might not apply to your specific study, since every study is unique. It is important that you think about all of the unique aspects of a potential study before commencing with your research.

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Initial 1	Project Development
	The research question is well-defined
	A specific hypothesis has been developed
	Relevant literature has been reviewed
	Dental Research Administration has been contacted to discuss the research process
Subjec	ts / Groups
	The research question can be answered with the chosen study population / groups
	Appropriate inclusion / exclusion rules have been developed
	The inclusion of an appropriate control group has been considered
	The subject population is accessible
	Subject recruitment and payments (if applicable) have been reviewed and approved by Dental Research
	Administration and the department chair
<u>Variab</u>	<u>les</u>
	The factors under study (independent variables) and outcomes have been defined
	All variables that are needed to answer the research question will be collected
	All variables that are needed to describe the study population, such as demographics, will be collected
	No unnecessary data will be collected
	The scale / units have been defined for every variable
Further	Elements of Study Design
	A pilot study has been considered (if the purpose of the study is to determine feasibility of a larger study)
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	The methodology is adequate to ensure accurate measurement of all variables
	Potential sources of bias, including all variables that could influence the results, have been identified and controlled when possible
	It has been determined whether the survey has been previously validated, and if not a plan of how validity and/or reliability testing will be done has been developed
	Other limitations of the study, and their effects on the study's potential conclusions, have been identified
	and minimized

	A statistician has approved the sample size, sampling plan, randomization plan, data analysis plan, and data formatting plan	
<u>Logistical Concerns</u>		
	A realistic, acceptable timeline has been developed	
	A realistic, acceptable budget has been developed and approved	
	All team members are aware of their roles and are prepared for the study, including being current with required trainings	
	A data and safety management plan has been defined to protect / organize collected data and any necessary contracts have been administered by Dental Research Administration	
	Compensation for survey participation has been considered and a plan for compensation has been developed if applicable	
	A source of funding has been identified, if applicable	
	A plan for how the survey will be distributed (e.g., paper or electronic) has been developed in accordance with human subjects protections concerns	
	The amount of identifiable information to be collected on the survey has been minimized, and the identifiers to be collected have been clearly outlined	
	If a coding mechanism will be used to de-identify the data, a plan of how the code will be created, where the link between the identifiable and de-identified data will be kept, and if/when the link will be destroyed has been made	
	An explanation of why the study is being done (so that a participant may understand the study) and how long it will take for a participant to complete the survey has been written	
	A plan for obtaining consent from subjects has been developed (e.g., information sheet, informed consent form)	
	If sensitive questions are included (e.g., questions concerning use of illegal drugs, alcohol, pregnancy, STIs, etc.), a justification of the questions is included as well as plans to protect confidentiality and provide counseling, if applicable	
<u>Protocol</u>		
	The research importance is justified in the protocol	
	The protocol is well-written and is free of grammatical / typographical errors	
	The protocol includes all required sections	
	The protocol includes enough detail for the study to be reproduced by an independent researcher. The protocol has been finalized and the study Principal Investigator (PI) has approved the final version	
Institutional Review Board (IRB) Considerations (no study activities may begin until after IRB approval)		
	A research coordinator has been contacted to assist with developing supporting paperwork (e.g., consent forms, advertising, recruitment materials, etc.)	
	All paperwork has been prepared by the coordinator and reviewed and approved by the study team The PI has signed the IRB paperwork	
	All paperwork has been approved by Dental Research Administration	