

Project Title: Modernizing NCSES Data Collection Approaches

Awardee: University of Michigan

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Award Type: R&D

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NSF Program Director: Jennifer Sinibaldi, Jsinibal@nsf.gov

Abstract:

Through the application of adaptive design techniques, intelligent use of auxiliary data sources, and development of a smartphone application, this project aims to increase data collection efficiency and reduce respondent burden in NCSES Human Resource Statistics surveys, particularly the Survey of Doctorate Recipients. The goal is to deliver a streamlined survey instrument augmented by existing administrative data that reduces respondent burden. In addition, adaptive design models will help NCSES reallocate data collection funds towards cases that are a priority. Finally, qualitative work will deliver preferences and feedback from the survey population on modularization of the survey and data collection via smartphone app. The research will support three graduate students and the results will be disseminated within the broader research community.