and 48 GS with the skills in SEFL. In curricular development the project expects to have 6 online tutorials created, one FLSE online course and 18 modules in CTR content areas available for continued education of HP. Certifications in CTR will be completed by 160F/HPs. The expected participation in CTR on-hands experiences is 32 F, 64 students and 32 established researchers. PiP teams will publish at least 8 scientific papers and SEFL teams will submit at least 5 SE project proposals and 100% increase in CRESCO web based resources DISCUSSION/SIGNIFICANCE OF FINDINGS: This Project and its expected results will provide students and faculty members island-wide with the knowledge, skills and experiences in CTR with IE approach to foster the expansion of a cadre of Hispanic minority CTR researchers in direct benefit of the health of the people of Puerto Rico.

40977

Assessing the Need for Competency-Based Self-Assessment Tools for CTSA Professionals

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ABSTRACT IMPACT: This study works to improve the quality of clinical and translational workforce development programs in order to enhance the training of researchers in the field. OBJECTIVES/GOALS: Evaluating the impact of Clinical and Translational Science Awards (CTSA) Programs is crucial. To this end, the value of competency-based metrics to assess the professional growth of CTSA awardees is unknown. A needs assessment was conducted to determine the present use and potential need for a competency-based self-assessment tool. METHODS/STUDY POPULATION: A mixed methods study was conducted using synchronous live interviews and asynchronous online surveys. Study authors contacted 102 CTSA administrators nationwide for live interviews according to I-Corps ******„¢Customer Discovery Guidelines. Interviews were recorded and transcribed through Innovation Within, an I-Corps „¢online platform and independently analyzed by two members of the study team. An online REDCap survey was also distributed to 63 CTSA hubs via an internal listserv. In an attempt to elicit responses similar to the I-Corps „¢Customer Discovery Guidelines, the survey asked questions related to the use of competency assessments and requested explanatory responses but did not explicitly ask respondents if they needed a competency-based self-assessment tool. RESULTS/ANTICIPATED RESULTS: Overall, 30 unique CTSA hubs participated. Interview requests and surveys had a response rate of 22% (22 out of 102) and 33% (21 out of 63), respectively. Of the interviewees, 32% (7 out of 22) reported existing use of a competency-based assessment tool, and 59% (13 out of 22), inclusive of those already using a tool, indicated a clear need for one. Of the survey respondents, 62% (13 out of 21) already use a CBST. Interviewees highlighted preferred features for a CBST: customization, soft skills assessment, and integration with local academic institutions. Communication and teamwork were highly valued soft skills, a finding reinforced by survey results in which 80% of respondents marked oral and written communication and teamwork as important skills for their professional workforce. DISCUSSION/SIGNIFICANCE OF FINDINGS: Among CTSA administrators involved with workforce development, there is notable interest in a competency-based self-assessment tool, particularly one that is customizable, soft skill-focused, and integrated with local educational systems.

58993

The Efficacy of Converting an In-person Commercialization Education Course to a Virtual and Flipped Experience

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ABSTRACT IMPACT: The successful conversion of an in-person biomedical research commercialization education course to a fully virtual and flipped experience (self-paced) allows greater participation from faculty investigators at CTSA institutions and serves as a model for similar educational programs intended to accelerate the translation of biomedical innovations to products of impact. OBJECTIVES/GOALS: Due to COVID-19, University of Michigan's Fast Forward Medical Innovation developed new educational resources and leveraged virtual learning tools to convert a successful in-person research commercialization course to a fully virtual, flipped format and evaluated the effectiveness of the converted course compared to the in-person equivalent. METHODS/STUDY POPULATION: Two novel interactive modules (intellectual property and FDA regulation) and five instructional videos (customer discovery, value proposition, opportunity sizing, target product profile, and patent searches) were developed while Constant Contact and Zoom were used for a weekly progression of content delivery and to flip the course: (1) forming/testing value propositions, (2) intellectual property, (3) regulatory, (4) medical reimbursement, (5) business case development. A total of 32 faculty and graduate students completed the virtual, flipped course and submitted a post-course evaluation. Results of the converted course were compared to evaluation results from the in-person course. RESULTS/ANTICIPATED RESULTS: Open rates for the weekly email content were: (1)61%, (2)67%, (3)65%, (4)67%, and (5)59 %. Total views for the modules and videos were: IP-28, regulation-19, customer discovery-62, value proposition-21, opportunity sizing-66, target product profile-11, and patent searches-29. Evaluation results from the virtual course (n=22) were compared to mean results from the 5 previous in-person courses (n=42); 86% of virtual course respondents stated the course met the objectives compared to 85% of in-person respondents; 87% of virtual respondents stated the course met their expectations compared to 100% of in-person; 87% of virtual respondents said they would participate in a follow-up program compared to 94% in-person; 91% of virtual respondents would recommend the course to others compared to 97% of in-person. DISCUSSION/SIGNIFICANCE OF FINDINGS: Email open rates and content views suggest positive flipped participation. Overall, the converted course was comparable to the in-person course at meeting objectives, suggesting the virtual format is effective at delivering the course content and holds the potential for engaging a broader audience.