

Evidence Collection & Analysis Framework for CURE Curriculum Evaluation

Impact Evaluation						
Outcome	Evaluation Questions	Data Sources	Timeline & Costs	Evaluation Tools	Targets	Data Analysis & Interpretation Plan
Increased 10-12 th grade student understanding of translational research and ethics (Aim B)	What have students learned from selected animal and human research lessons?	Pretest-posttest (N=60) 30 min paper test admin	Pre Sep 2012 Post May-June 2013 5 participating teachers receiving \$300 stipend (total cost &1,500)	<ul style="list-style-type: none"> Curriculum Assessment 	<ul style="list-style-type: none"> 80% of CURE students demonstrate at least a proficient level of understanding of Animal Use Action Plan (request from pretest-posttest classroom teachers) >= 40% average learning gain on pretest-posttest 	<ul style="list-style-type: none"> Descriptive statistical analysis Gender analysis Ethnicity analysis Learning gain analysis
Change in student attitudes and beliefs about animal and human research, and clinical trials	How have select CURE units influenced student attitudes and beliefs about animal and human research, and clinical trials?	Pretest-posttest	Pre Sep 2012 Post May-June 2013	<ul style="list-style-type: none"> Custom survey prompts Pilot clinical research knowledge questionnaire 	<ul style="list-style-type: none"> TBD 	<ul style="list-style-type: none"> Descriptive statistical analysis Gender analysis Ethnicity analysis Visualize relationship between student attitudes/beliefs and knowledge
Dissemination of resources (Aim C)	What are feasible and effective ways that NWABR can disseminate and promote use of the CURE curricula in the next 1-2 years?	Teacher survey 15 min online admin	Dec 2012-Jan 2013	Customized teacher questionnaire	n/a	<ul style="list-style-type: none"> Triangulation of data Qualitative analysis
		Curricula expert review & landscape scan	July-Dec 2012	TBD	n/a	

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Enhanced secondary school translational bioethics education (Aim A)	How did the 'Biomedical Research—Science and Ethics' professional development workshops and teacher instructional materials enhance secondary school translational bioethics education?	Teacher survey Target: N=75(?)	Dec 2012-Jan 2013 Drawing for 3 X \$50 amazon gift certificates from participant pool (total cost: \$150)	Customized teacher questionnaire	n/a	<ul style="list-style-type: none"> • Descriptive statistical analysis • Qualitative analysis
Change in public understanding, attitudes and beliefs about clinical trials	How did the documentary film, 'RARE,' inform and impact viewers?	Retrospective pretest-posttest survey	June 2012	Customized survey instrument	Increase viewer understanding of willingness to participate in clinical trials	<ul style="list-style-type: none"> • Descriptive statistical analysis • Statistical significance testing • Qualitative analysis