

Enhancing Community Health Center PCOR Engagement (EnCoRE) CDN Training Curriculum (2014-2015) Building on a Base of Existing In-Person and Online Training (Revised 11/13/14)

FACULTY MEETING DATE	SESSION DATE	DIDACTIC CONTENT	EXPERIENTIAL CONTENT	MILESTONES	EXISTING ONLINE RESOURCES TO BE UTILIZED AS THE FLIPPED CLASSROOM	PRESENTERS
9/30/2014 4:00-5:00 PM EDT **Draft presentation due	10/21/14 2:00 – 3:30 PM EDT	Session 1 – Introduction to PCOR - Developing a Study and Study Questions - What is PCOR and why patient-centered outcomes? - How to ask a testable question and types of questions to ask - Types of Variables - Introduction to Clinical Epidemiology - Introduction to Human Subjects Research - Introduction to Literature Search/PubMed	- Competency evaluation and self-assessment - Develop a patient-centered study question - Identify target populations and participant subgroups - Identify outcome measures: clinical vs. patient-centered - Engaging other health center colleagues in team formation	- Complete Human Subjects Research Training - Begin literature search using PubMed - Development of Background & Significance	Introduction to Collaborative Community-Based Research , Presenter: Jonathan N. Tobin, PhD, FACE, FAHA President/CEO, CDN, Co-Director for Community-Engaged Research The Rockefeller University CCTS, Professor, Department of Epidemiology & Population Health, Albert Einstein College of Medicine of Yeshiva University	JN Tobin, PhD
11/4/2014 4:00-5:00 PM EDT **Draft presentation due	11/18/14 2:00 – 3:30 PM EST	Session 2 – Patient Engagement in Selecting and Designing Interventions for Testing Methods of involving patients in project governance Methods of involving patients in research question development Methods of involving participants in fidelity monitoring Health disparities Social Determinants of Health	- Develop stakeholder identification, recruitment, and retention plan - Assessing barriers to patient engagement	- Finalize Patient Representatives - Finalize patient engagement plan - Finalize participant engagement plan	1) Social Determinants of Health: Important Considerations for Medically Underserved Community Health Center Patients , Presented by: Ninez Ponce, PhD, UCLA, Thu Quach, PhD, MPP, Asian Health Services and Todd Gilmer, PhD, UCSD, AAPCHO 2) Community Health Centers (CHCs) Leveraging the Social Determinants of Health , Presented by CDN, NACHC, and the Kresge Foundation 3) Understanding the Research Participant's Experience: Outcome Measures to Improve Clinical Research Presented by: Rhonda G. Kost, MD, Clinical Research Officer, The Rockefeller University Center for Clinical and Translational Science (CCTS)	Rosy Chang Weir, PhD/ Patient Participant Recruited

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<p>12/2/2014 3:00 -4:00 PM EST</p> <p>**Draft presentation due</p>	<p>12/16/14 3:30 – 5:00 PM EST</p>	<p>Session 3 – Community Engagement for Selecting and Designing Interventions for Testing</p> <p>Community Engagement Principles and Models</p> <p>Community Engagement Methodology</p> <p>Understanding Bias: Validity, reliability, accuracy, reproducibility, precision, generalizability, misclassification, and selection</p>	<ul style="list-style-type: none"> - Identify key community stakeholders - Identify potential sources of selection bias - Addressing barriers to intervention implementation - How the existing FQHC infrastructure might lend itself to managing research? - How alternative structures might work? - What is the role of a board? 	<ul style="list-style-type: none"> - Finalize stakeholder engagement plan and begin preliminary community engagement process 	<p>1)"Promising Practices of Meaningful Engagement in the Conduct of Research" - PCORI Webinar, Sep 19, 2013. Presenters: Dr. Ken Wells (UCLA), Dr. David Loring (Emory University)</p> <p>2) From Bench to Bedroom: Testing and Translating Behavioral Interventions from Research into Practice Presenter: Jonathan N. Tobin, PhD, FACE, FAHA President/CEO, CDN, Co-Director for Community-Engaged Research, The Rockefeller University CCTS, Professor, Department of Epidemiology & Population Health, Albert Einstein College of Medicine of Yeshiva University</p> <p>3) Upstreamists& Community Health Detailing: How Re-Imagined Workforce and Community Engagement Models Can Improve Healthcare and the Social Determinants of Health Presented by: Rishi Manchanda, MD, MPH, President & Founder of HealthBegins, Lead Physician, Homeless Patient Aligned Care Team, Office of Transformation & Innovation at Department of Veterans Affairs, Los Angeles, and Founder & Chair of RxDemocracy</p> <p>4) N² PBRN Virtual Training Series - Stakeholder Feedback on CommunityEngaged Research in the CTSA Program Featured PBRN: Center for Community Health Education, Research and Service(CCHERS), Presented by: Elmer Freeman, Executive Director, CCHERS</p>	<p>Michelle Proser, MPP / Rosy Chang Weir, PhD</p>
<p>1/8/2015 3:00 -4:00 PM EST</p> <p>**Draft presentation</p>	<p>1/20/15 3:30 – 5:00 PM EST</p>	<p>Session 4– Measurement, Measurement Error, and Descriptive Statistics</p> <ul style="list-style-type: none"> - Rates & risk: incidence, prevalence, Odds Ratio, Relative Risk, Attributable Risk - Random & systematic error, confounding <p>Measures of central tendency & dispersion,</p>	<ul style="list-style-type: none"> - Identification and installation of statistical software - Database creation - Define covariates and confounding 	<ul style="list-style-type: none"> - Define a testable hypothesis - Define clinical vs. patient centered outcomes - Identify main outcome/ 	<p>An Introduction to Comparative Effectiveness Research (CER 101) Presented by: Jodi B. Segal, MD, MPH, Associate Professor of Medicine, Johns Hopkins University; Sponsored by The Rockefeller University CCTS</p>	<p>Vicki Young, PhD</p>

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due		(mean, median, mode), variance, standard deviation, standard error, confidence intervals - Binomial & normal distribution, variance - Probability, association, inference, and causality	variables - Define key subgroups in terms of exposure or risk factors as present or absent - Define the association between dependent variable and primary covariates using odds ratio and/or relative risk	dependent variable - Begin EHR extraction of existing data - Identify independent variables and covariates - Conduct test of normality		
2/2/2015 3:00 -4:00 PM EST **Draft presentation due	2/17/15 3:30 – 5:00 PM EST	Session 5 - Sample Size, Power Calculations, & Sampling Methods Effect Size Determinants & calculations of sample size & power Heterogeneity Simple random, stratified multistage, and cluster sampling	- Extracting Effects Sizes from Published Literature - Conduct power and sample size analysis	- Review of data extracted from EHR - Sample size and power analysis completed	"Rigor and Relevance: Using the PCORI Methodology Standards" - PCORI Webinar June 25, 2013	JN Tobin, PhD / MaryAnn McBurnie, PhD
3/5/2015 3:00 -4:00 PM EST **Draft presentation due	3/17/15 2:00 - 3:30 PM EST	Session 6–Study Design & Clinical Statistics Qualitative and quantitative study designs - Clinical vs. statistical significance - Hypothesis testing, significance, and power, Type I & II errors, 1 & 2 tailed tests - Screening & Diagnosis - Sensitivity, Specificity, Predictive Value, ROC - Decision Analysis - Engaging patients in selecting interventions and comparisons	- Preparing graphs & tables (pie, histogram, bar, scatter) - Questionnaire identification - Logistics required for proper study design (space and number of staff)	- Solidify intervention and comparators	1)"Pragmatic Clinical Studies and Large Simple Trials to Evaluate Patient Centered Outcomes" PCORI Webinar; Feb 12, 2014 2) Improving Methods for Conducting Patient-Centered Outcomes Research " PCORI Applicant Town Hall, July 12, 2013	Vicki Young, PhD / Milton "Mickey" Eder, PhD
4/9/2015 3:00 -4:00 PM EDT **Draft presentation due	4/21/15 2:00 - 3:30 PM EDT	Session 7–Biostatistics/Univariate Data Analysis T-Test, ANOVA, Paired & Repeated Measures - Chi Square, McNemar, Rank Sum, Signed Rank - Simple Linear Regression - P-Value, Confidence Interval/ Limits (90%, 95%, 99%) - Regression Coefficients	- Exploration of Statistical Analysis	- Write research approach and protocol	1)N ² PBRN Virtual Training Series- Getting to Know Your Data-Principles for Evaluating and Cleaning Data Before Performing Statistical Analyses , Presented by: Mary Ann McBurnie, PhD, Biostatistician, Senior Investigator, Kaiser Permanente Center for Health Research/PI, Coordinating Center, HRSA-funded Community Health Applied Research Network (CHARN) 2) N ² PBRN Virtual Training Series - Data Management Through the Project Life Cycle ,	MaryAnn McBurnie, PhD

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					Presented by: Reesa Laws, CHARN Coordinating Center Manager, Center for Health Research, Kaiser Permanente	
5/5/2014 4:00-5:00 PM EDT **Draft presentation due	5/19/15 2:00 - 3:30 PM EDT	Session 8 - Bioinformatics - Introduction to Clinical Informatics and Health Information Technology - Using Electronic Health Records in research - Using social media to engage patients - Ensuring patient privacy and confidentiality	- Exploration of PROMIS - Data management issues – how is data stored, collected, etc.? - Managing physical data (paper consent forms) - EHR data collection: methods and issues		N ² PBRN Virtual Training Series - Patient-Centered Medical Home: Using the EMR to facilitate PCMH Transformation , Presented by: Tanya Larson, Director of Consulting Services and Technical Assistance, Alliance of Chicago Community Health Services	Michelle Proser, MPP / Milton "Mickey" Eder, PhD
6/11/2015 3:00 -4:00 PM EDT **Draft presentation due	6/16/15 2:00 - 3:30 PM EDT	Session 9 - Research Ethics, IRB, FDA Regulations, and Good Clinical Practices - Cultural competence in research Recruiting and retaining minority populations - Treatment fidelity - Informed Consent Waiver of informed consent and expedited status	- Develop a plan to ensure fair compensation for community and patient participants - Creation of informed consent form and role-play of informed consent	- Fidelity monitoring of multiple component - Finalize Informed Consent (IC)	Good Clinical Practice: GCP Boot Camp Part I & II , Presented by: Rhonda G. Kost, MD, Clinical Research Officer, The Rockefeller University, CCTS, and Donna Brassil, RN, MA, CURN, CCRC, Research Facilitator, The Rockefeller University CCTS	Leah Zallman, MD MPH / Rosy Chang Weir, PhD
7/9/2015 3:00 -4:00 PM EDT **Draft presentation due	7/21/15 2:00 - 3:30 PM EDT	Session 10 - Grant Writing, Fundraising, & Project Planning -Exploring PCORI funding opportunities - Understand the grant review process Becoming a PCORI grant reviewer	- Writing letters of support - Search PCORI funding database (www.pcori.org) Pipeline to proposal- - Biosketch development - Changes in workflow and research activities - Impact on staffing and budgeting	- Complete Biosketch	1) " Opening a Pipeline to PCOR Proposals " PCORI Webinar; Nov 13, 2013 2) " PCORI Merit Review: Learning from Patients, Scientists and other Stakeholders " PCORI Webinar; Oct 30, 2013	Danielle-Lazar, AM / Leah Zallman, MD MPH
8/6/2015 3:00 -4:00 PM EDT	8/18/15 3:30 – 5:00 PM EDT	Session 11 - Preparing Budgets, Work Plans, and Timelines - Defining implementation workflow: how, who, and why	-Preparing time-frames and budgets using MS-Excel - Developing an	- Draft budget and time-frame - Complete full draft of proposal		Leah Zallman, MD MPH / Milton

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**Draft presentation due			approach to monitoring implementation			"Mickey" Eder, PhD
9/10/2015 3:00 -4:00 PM EDT **Draft presentation due	9/15/15 2:00 - 3:30 PM EDT	Session 12–Dissemination and Presentation - Communicating research finding to colleagues and stakeholders - Global dissemination of findings - Patients in the peer review process - Identifying and engaging local media (print, broadcast, web) - Providing patient speaker training	- Presentation development	- Finalize dissemination plan	N ² PBRN Virtual Training Series Integrating Patient Reported Outcomes into Clinical Care: HIV as a Case Study , Presenter: Heidi M Crane, MD, MPH, Associate Professor of Medicine, University of Washington; Affiliated PBRN: Fenway Health, Boston MA	JN Tobin, PhD / Michelle Proser, MPP

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