



## Translating Practice into Research (TPIR) Trainee Program

**Funded by:** The National Institutes of Health

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### What is the goal of the TPIR Trainee Program?

The OSCTR TPIR trainee program is a unique one year (September 2018–August 2019) education and mentoring program for practicing healthcare professionals, clinical investigators, and basic scientists. It offers a broad and practical curriculum for understanding clinical research methods, research collaborations, and statistical analysis. The goal of the TPIR trainee program is to produce a group of clinicians and scientists who have the ability to translate their clinical observations and ideas for improving practice into practical and feasible research projects.

### What is included in the TPIR Trainee Program?

The TPIR program consists of four components: 1) 1 day in-person workshop Thursday October 4<sup>th</sup>, 2018 in Oklahoma City, Oklahoma 2) 10 online education modules 3) scheduled conference calls with TPIR faculty, 4) 1 day in-person workshop Thursday April 4<sup>th</sup>, 2019 in Oklahoma City, Oklahoma and 5) a mentored research project. By applying for the TPIR program, you agree to participate in all five components of the program, if accepted.

### Who should apply?

The following people are encouraged to apply: 1) healthcare professionals who are interested in conducting clinical research and learning research methods, 2) clinical investigators who are interested in studying practical clinical issues, and 3) basic scientists who are interested in learning the fundamental basis for clinical translational research. Applicants must be US Residents who work in NIH IDeA states. Priority will be given to applicants in the OSCTR regions and Tribal employees and Tribal serving organization employees.

### How many trainees will be selected?

Up to 10 trainees will be accepted in 2018. There is no fee for the TPIR program. Support will be provided for travel and hotel accommodations for both 1 day in-person workshops for only those who live outside the Oklahoma City metropolitan area.

### How do you apply?

The online application is located at the TPIR Trainee Program website at:

<http://osctr.ouhsc.edu/translating-practice-research-program>.

## Timeline

Application Deadline	September 4, 2018
Trainees Notified	September 17, 2018
1 Day In-Person Workshop	Thursday October 4, 2018
Online Modules/Conference Calls	September 2018 - March 2019
1Day In-Person Workshop	Thursday April 4, 2019

## Program Specifics

### Online-education Modules

There will be 10 online video stream lectures available between September and March 2019. We will have 7 conference calls to discuss the modules and progress on your mentored research project. The online module topics will focus on analysis of medical literature, creating a good research question, epidemiological study designs, the vocabulary of biostatistics, data collection and database development, quantitative methods, and ethical issues and human subject protection.

### Mentored Research Project

Participants will be matched with a methodological mentor who will provide assistance with their research project. Mentoring with a TPIR faculty mentor will continue through August 2019, with the goal of translating the trainee's protocol into an active, feasible project.

### 1-Day In-person Workshop, Thursday October 4, 2018

The workshop will be an introduction to the TPIR program, the participants, and the faculty. The workshop will include didactic sessions on mentorship and collaborating with a biostatistician. Each participant will present a 10-minute powerpoint presentation on their research idea. You will also have an opportunity to meet with your methodological mentor.

### 1-Day In-person Workshop, Thursday April 4, 2019

The workshop will focus on the foundation, methodologies, and application of patient-oriented clinical research. The workshop will include didactic sessions on grant development and writing, funding opportunities, and campus resources. Participants will further develop their own proposed patient-oriented clinical research projects, refining and revising their plans through interaction with faculty and their peers. Each participant will present a 10-minute powerpoint presentation on their research question and proposal. Participants will participate in a focus group to explore the strengths and weaknesses of the TPIR program. This focus group will serve as both an evaluation of the program and a demonstration of qualitative research for the participants.

## Deliverables for TPIR 2017-2018

<u>Deliverable</u>	<u>Measurement</u>	<u>By when... ( Expected date)</u>
<b>TPIR faculty call 1</b>	Minutes by faculty	<b>Week of September 17, 2018</b>
<b>Draft:</b> 7-10 minute presentation	Send to TPIR faculty	<b>September 28, 2018</b>
<b>Final:</b> 7-10 minute presentation	Send to TPIR faculty	<b>October 1, 2018</b>
<b>Module 1:</b> The Research Question	View Assignment and Evaluation	Released: September 14, 2018 <b>Completed: October 3, 2018</b>
<b>First In Person Meeting</b>	Attendance/Meet Methods Mentor	<b>October 4, 2018 (8 am to 5 pm)</b>
<b>Module 2:</b> Vocab of Epidemiology	View Evaluation	Released: October 8, 2018 <b>Completed: November 2, 2018</b>
<b>Module 3:</b> Vocab of Biostatistics	View Evaluation	Released: October 8, 2018 <b>Completed: November 2, 2018</b>
<b>Mentor call</b>	Mentee notes	<b>Week of October 29, 2018</b>
<b>TPIR faculty call 2</b>	Minutes by faculty	<b>Week of November 5, 2018</b>
<b>Module 4:</b> Experimental studies	View Evaluation	Released: November 5, 2018 <b>Completed: December 7, 2018</b>
<b>Module 5:</b> Pilot studies	View Evaluation	Released: November 5, 2018 <b>Completed: December 7, 2018</b>
<b>Mentor call</b>	Mentee notes	<b>Week of November 26, 2018</b>
<b>TPIR faculty call 3</b>	Minutes by faculty	<b>Week of December 3, 2018</b>
<b>Module 6:</b> Cross-sectional and Case control studies	View Evaluation	Released: December 3, 2018 <b>Completed: January 18, 2019</b>
<b>Module 7:</b> Cohort studies	View Evaluation	Released: December 3, 2018 <b>Completed: January 18, 2019</b>
<b>Mentor call</b>	Mentee notes	<b>Week of January 7, 2019</b>
<b>TPIR faculty call 4</b>	Minutes by faculty	<b>Week of January 14, 2019</b>
<b>IRB protocol:</b> Background/Research Ques	Send to TPIR faculty	<b>February 1, 2019</b>
<b>Module 8:</b> Data Collection	View Assignment and Evaluation	Released: January 21, 2019 <b>Completed: February 15, 2019</b>
<b>Module 9:</b> Hypothesis Testing	View Evaluation	Released: January 21, 2019 <b>Completed: February 15, 2019</b>
<b>Mentor call</b>	Mentee notes	<b>Week of February 11, 2019</b>
<b>TPIR faculty call 5</b>	Minutes by faculty	<b>Week of February 18, 2019</b>
<b>Module 10:</b> Critical Appraisal	View Evaluation	Released: February 15, 2019 <b>Completed: March 1, 2019</b>
<b>Draft:</b> 10 minute presentation	Send to methods mentor	<b>March 18, 2019</b>
<b>Draft:</b> 10 minute presentation	Send to TPIR faculty	<b>March 25, 2019</b>
<b>Final:</b> 10 minute presentation	Send to TPIR faculty	<b>April 1, 2019</b>
<b>Second In Person Meeting</b>	Attendance/10 minute Presentation	<b>April 4, 2019 (8 am to 5:30 pm)</b>
<b>Mentor call</b>	Mentee notes	<b>Week of May 6, 2019</b>
<b>TPIR faculty call 6</b>	Minutes by faculty	<b>Week of May 13, 2019</b>
<b>IRB protocol:</b> Draft of the protocol, informed consent form, and data collection form	Send to TPIR faculty	<b>June 3, 2019</b>
<b>TPIR faculty call 7</b>	Minutes by faculty	<b>Week of July 15, 2019</b>
<b>Final Draft:</b> IRB full protocol	Send to TPIR faculty	<b>August, 2019</b>
<b>TPIR faculty call 8</b>	Minutes by faculty	<b>Week of August 12, 2019</b>
<b>IRB submission</b> (acknowledgment)	Send to TPIR faculty	<b>September, 2019</b>
<b>IRB approval</b> (letter of approval)	Send to TPIR faculty	When received