

The West Virginia Clinical and Translational Science Institute contracts the WVU Program Evaluation and Research Center to staff the WVCTSI Tracking and Evaluation Core and provide external formative and summative evaluation services pursuant to National Institutes of Health Award No. U54GM104942-02.

West Virginia Clinical and Translational Science Institute (WVCTSI) Tracking and Evaluation Quarterly Report

2nd Quarter of Fiscal Year 2018-2019

Reporting Period: Oct. 1, 2018 – Dec. 31, 2018

Statewide Distribution of WVCTSI Partner Organizations and Practice-Based Research Network Sites



CAMC / WVU Charleston



Marshall University



West Virginia School of
Osteopathic Medicine



WV Veterans Affairs



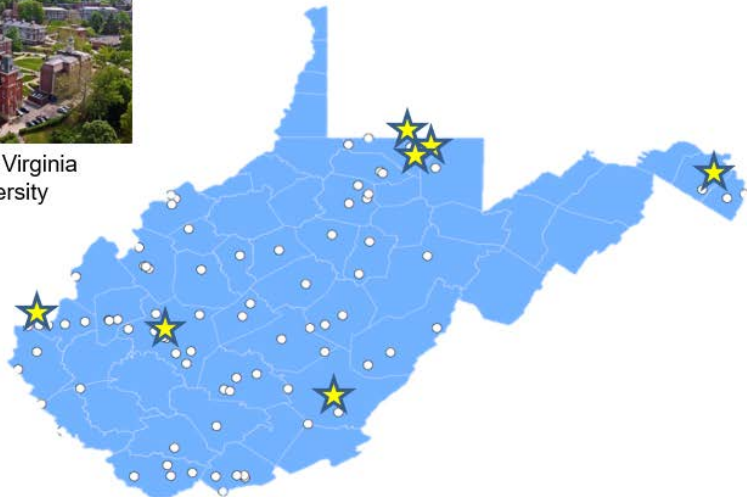
National Institute for
Occupational Safety and
Health



West Virginia
University



WVU Medicine



Report Prepared by:

Reagan Curtis, Taylor Mikalik, David Loomis, Abhik Roy, and Malayna Bernstein

West Virginia Clinical Translational Science Institute
Tracking and Evaluation Quarterly Report
 (Oct. 1, 2018 – Dec. 31, 2018)

Contents

Executive Summary.....	3
Quarterly Reporting Annual Timeline Targets	5
Administrative Core	6
<i>Figure 1. Contributions per core to WVCTSI linked publications during Cycle 2 (Year 6+).</i>	6
<i>Figure 2. External funding proposals amount and category per core.</i>	7
<i>Figure 3. External funding awards dollar amount per core.</i>	7
<i>Figure 4. Author network grouped by publication for all cycle 2 WVCTSI linked publications.</i>	8
Clinical Research Design, Epidemiology & Biostatistics Core	9
<i>Figure 5. CRDEB iLab Core Management System services logged by month and service type.</i>	9
Clinical Research Resources & Facilities Core	11
<i>Figure 6. CRRF iLab Core Management System services logged by month and service type.</i>	11
Community Engagement & Outreach Core	12
<i>Figure 7. CEO iLab Core Management System services logged by month and service type.</i>	12
Pilot Projects Core.....	14
Professional Development Core	15
<i>Figure 8. Investigator development services per service category as logged in iLab.</i>	15
Technology and Resources for Core Laboratories Core.....	17
Tracking and Evaluation Core	18
West Virginia School of Osteopathic Medicine (WVSOM)	19

Executive Summary

This is the quarterly tracking and evaluation report of the WV Clinical and Translational Science Institute (WVCTSI) for the 2nd quarter (Q2) of fiscal year 2018/2019 (Y7), which covers a reporting period from October 1st, 2018 through December 31st, 2018. The WVCTSI received verbal approval for year 7 renewal funding dated July 23, 2018 with an annual award of \$4,000,000 for the budget period from July 1, 2018 through June 30, 2019 and a total project period from August 15, 2012 through June 30, 2022.

This report prepared by WVCTSI Tracking and Evaluation Core staff is organized by specific aim within each key component area/core plus information from partner institutions as available. This report does not describe every tracking and evaluation metric in each core, rather key elements and recommendations are summarized and readers are referred to the Quarterly Data Sheet (Excel) distributed with this report for information on all metrics for all cores and partners included.

There were 68 peer-reviewed publications linked to WVCTSI funding, 70 external funding proposals, and 23 funded awards (\$2.85 million) this quarter. These numbers demonstrate strong productivity and return on investment. The somewhat lower amount of external funding this quarter compared to last is not considered indicative of a trend.

Overall recommendations from Tracking and Evaluation Core

- Ensure activity from all partner institutions is reported appropriately and in a timely fashion given that Year 7 Quarter 2 data were not submitted in time to include the following partner institutions in this report: Marshall University, Charleston Area Medical Center, National Institute for Occupational Safety and Health, and Veterans' Affairs;
- Ensure transparent and consistent utilization of iLab across cores and partners;
- Continue to increase partner engagement outside of Morgantown; and
- Maintain focus on priority health areas when allocating resources and effort.

Key Recommendations to Administrative Core

- Set year 7 annual targets for relevant Investigator Development/Service Delivery metrics.
- Identify barriers to partner participation and engagement; work to increase membership and service utilization across partner sites.
- Ensure utilization of funds to reach annual target of 100% with consistency across cores.
- Clarify which, if any, proposal development services should remain in Administration Core.

Key Recommendations to Clinical Research Design, Epidemiology & Biostatistics Core

- Identify barriers and work to increase service utilization across partner sites.
- Identify activity related to Appalachian Research Consortium (ARC) or explore potential to revise Specific Aim 4.

Key Recommendations to Clinical Research Resources & Facilities Core

- Review progress toward projected and actual accrual targets and determine whether action is warranted to increase study enrollment and completion rates.
- Review TriNetX study activation rates and determine whether action is warranted to facilitate accepted studies being activated in a timely fashion.

- Identify appropriate metrics for Specific Aim 2 and report data on those metrics in upcoming quarterly report cycles.

Key Recommendations to Community Engagement & Outreach Core

- Work with Tracking and Evaluation to refine evaluation metrics related to community engagement, especially as related to partner institution activity.
- Continue and expand efforts to disseminate research results through publication in high-quality journals and other outlets.

Key Recommendations to Pilot Projects Core

- Identify Year 7 annual targets for all appropriate metrics.
- Identify barriers and work to increase submissions of Launch Pad Pilot project applications from partner institutions outside of WVU.

Key Recommendations to Professional Development Core

- Identify Year 7 annual targets for all appropriate metrics.
- Identify barriers and work to increase engagement with partner institutions outside of WVU.
- Consider implications of low enrollment in CTS Certificate program.

Key Recommendations to Technology and Resources for Core Laboratories Core

- Identify barriers and work to increase CAMC biospecimen sample collection and utilization.
- Consider opportunities to increase MicroCT utilization.

Key Recommendations to Tracking and Evaluation Core

- Complete iLab data collection and analysis and report out to stakeholders.
- Collect data to highlight unique contributions and statewide impact of Project ECHO.
- Support continued refinement of partner dashboards and/or more integrative inclusion of partner evaluation data within appropriate core reports.

Key Recommendations to West Virginia School of Osteopathic Medicine

- Identify Year 7 annual targets for all appropriate metrics.
- Work toward increasing awareness and utilization of WVCTSI core services by personnel at WVSOM, especially early stage and new investigators.
- Work with relevant cores to refine evaluation metrics and reporting related to WVSOM activity.

Quarterly Reporting Annual Timeline Targets

1st quarter Reporting Period = July 1 – Sept 30

Sept 18	1 st quarter report task assigned to each KCA/Partner via email to key contacts
Oct 1	TEC begins data acquisition from repositories (e.g., iLab)
Oct 7	Quarterly data submission due from key contacts to TEC
Sept-Oct	Pre/post submission meetings (TEC and key contacts)
Oct 28	1 st quarter formative evaluation report and metric data distributed by TEC
Nov-Dec	Steering Committee discusses 1 st quarter formative evaluation

2nd quarter Reporting Period = Oct 1 – Dec 31

Dec 18	2 nd quarter report task assigned to each KCA/Partner via email to key contacts
Jan 1	TEC begins data acquisition from repositories (e.g., iLab)
Jan 7	Quarterly data submission due from key contacts to TEC
Dec-Jan	Pre/post submission meetings (TEC and key contacts)
Jan 28	2 nd quarter formative evaluation report and metric data distributed by TEC
Feb-Mar	Steering Committee discusses 2 nd quarter formative evaluation

3rd quarter Reporting Period = Jan 1 - Mar 31

Mar 18	3 rd quarter report task assigned to each KCA/Partner via email to key contacts
Apr 1	TEC begins data acquisition from repositories (e.g., iLab)
Apr 7	Quarterly data submission due from key contacts to TEC
Mar-Apr	Pre/post submission meetings (TEC and key contacts)
Apr 28	3 rd quarter formative evaluation report and metric data distributed by TEC
May-June	Steering Committee discusses 3 rd quarter formative evaluation

4th quarter Reporting Period = Apr 1 – June 30

June 18	4 th quarter report task assigned to each KCA/Partner via email to key contacts
July 1	TEC begins data acquisition from repositories (e.g., iLab)
July 7	Quarterly report data due to TEC from each core
June-July	Pre/post submission meetings (TEC and key contacts)
July 28	4 th quarter formative evaluation report and metric data distributed by TEC
Aug-Sept	Steering Committee discusses 4 th quarter formative evaluation

Administrative Core

Specific Aim 1. Implement an effective operational structure that facilitates attainment of all proposed WVCTSI Specific Aims and projects.

WVCTSI researchers reported 6 presentations, 68 linked publications, 70 external funding proposals, and 23 externally funded awards totaling over \$2,850,000 in awards for Q2. The number of WVCTSI staff increased by 4 to 37. Core contributions to publications are visualized in Figure 1. Figures 2 and 3 display core contributions to external funding proposals and awards.



Publications by Core or Institution

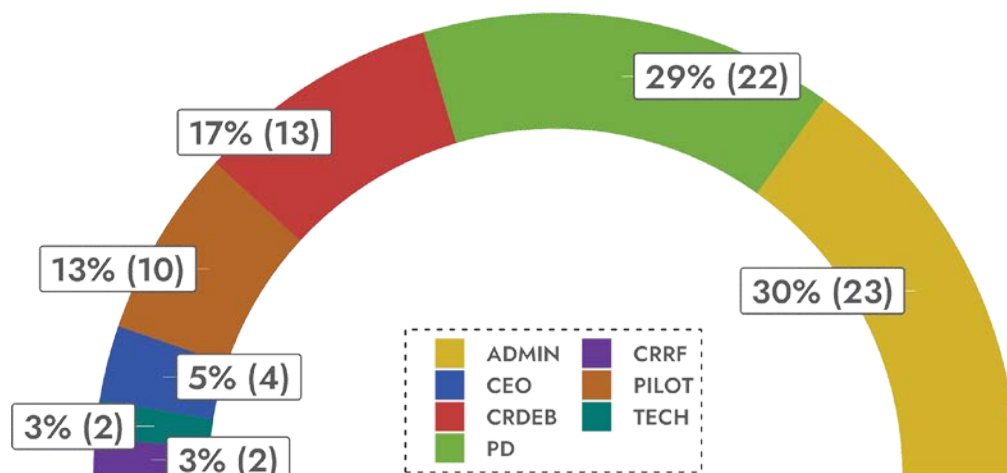


Figure 1. Contributions per core to WVCTSI linked publications during Cycle 2 (Year 6+).

The iLab Core Management System was launched during Y6 Q2 to streamline service delivery across WVCTSI. The number of iLab users increased from 435 (Y7 Q1) to 524 (Y7 Q2). 9 proposal development services were provided to a total of 3 members (all WVU affiliates), which is a large drop from 72 services reported last quarter and may be an artifact of inconsistent iLab utilization. One WVCTSI member participated in a grant-writing group.

Specific Aim 2. Create policies and procedures to drive performance, transparency, constructive communication and collaboration among multiple, diverse stakeholders (i.e., investigators, rural providers, community members).

WVCTSI added 88 new members this quarter (2182 total, of which 176 affiliated with partner institutions outside WVU Morgantown and 177 identified as community members). WVCTSI website traffic increased by 33 average hits per day (total average hits for Q2 = 355), and WVCTSI's social media engagement increased: Facebook (+5 likes), Twitter (+6 followers), and Listserv (+80 subscribers).

External Funding Proposal Amounts by Core



Figure 2. External funding proposals amount and category per core.

External Funding Award Amounts by Core



Figure 3. External funding awards dollar amount per core.

Specific Aim 3. Provide sound fiscal and resource management, ensuring appropriate resourcing of cores, flexibility to meet changing needs and environments, and sustainability of services.

WVCTSI supported 70 external funding proposals and 23 external awards were funded this quarter (see Figures 2 and 3). Percent NIH award expended was 29% overall and varied across core from 83% (CRRF) to 15% (Pilot). There were two cost transfers or corrections to ensure accounting standards.

Specific Aim 4. Recruit talented, committed investigators addressing research questions relevant to the WVCTSI priority health areas.

No new investigators recruited this quarter.

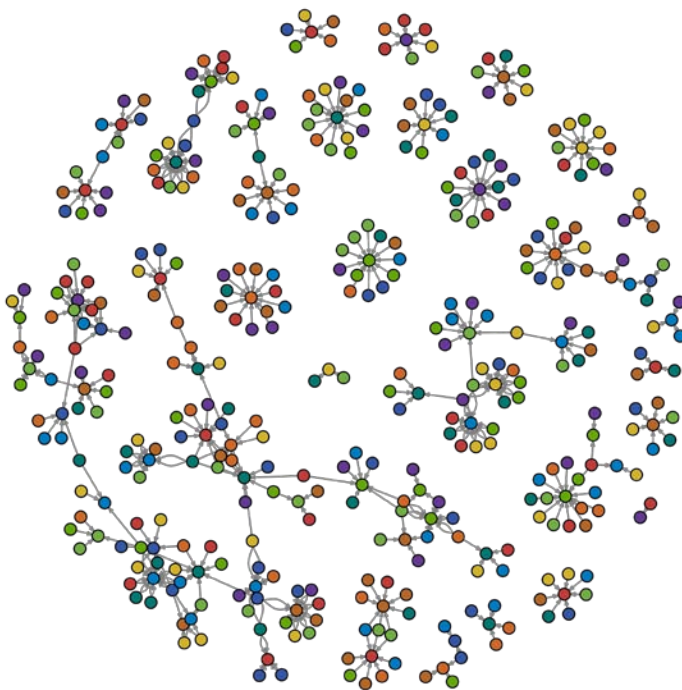


Figure 4. Author network grouped by publication for all cycle 2 WVCTSI linked publications.

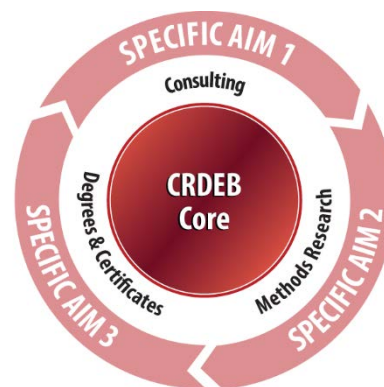
Key Recommendations to Administrative Core

- Set year 7 annual targets for relevant Investigator Development/Service Delivery metrics.
- Identify barriers to partner participation and engagement; work to increase membership and service utilization across partner sites.
- Ensure utilization of funds to reach annual target of 100% with consistency across cores.
- Clarify which, if any, proposal development services should remain in Administration Core.

Clinical Research Design, Epidemiology & Biostatistics Core

Specific Aim 1. Effectively engage investigators throughout WV by providing traditional services in biostatistics and epidemiology.

Investigators engage through the CRDEB core utilizing available resources including the Integrated Data Repository (IDR), REDCap, and TriNetX. There were 56 new REDCap users in Q2, with a total of 1515, of which there were 1,134 from WVU, 12 from CAMC, 10 from WVSOM, and 359 not affiliated with the above entities. There were 206 ongoing REDCap projects reported. 3 REDCap projects were built for WVCTSI-funded investigators, resulting in 20.5 hours spent building these REDCap projects. The total number of TriNetX users was 242, and there were 1062 new TriNetX inquiries. There were 35 new unique CRDEB consultations. Additionally, 6 professional development events (conducted bi-weekly) where researchers receive in-person assistance with REDCap were implemented, and 2 internal policy changes were made in Q2.



By the Numbers: Clinical Research Design, Epidemiology and Biostatistics Core Services

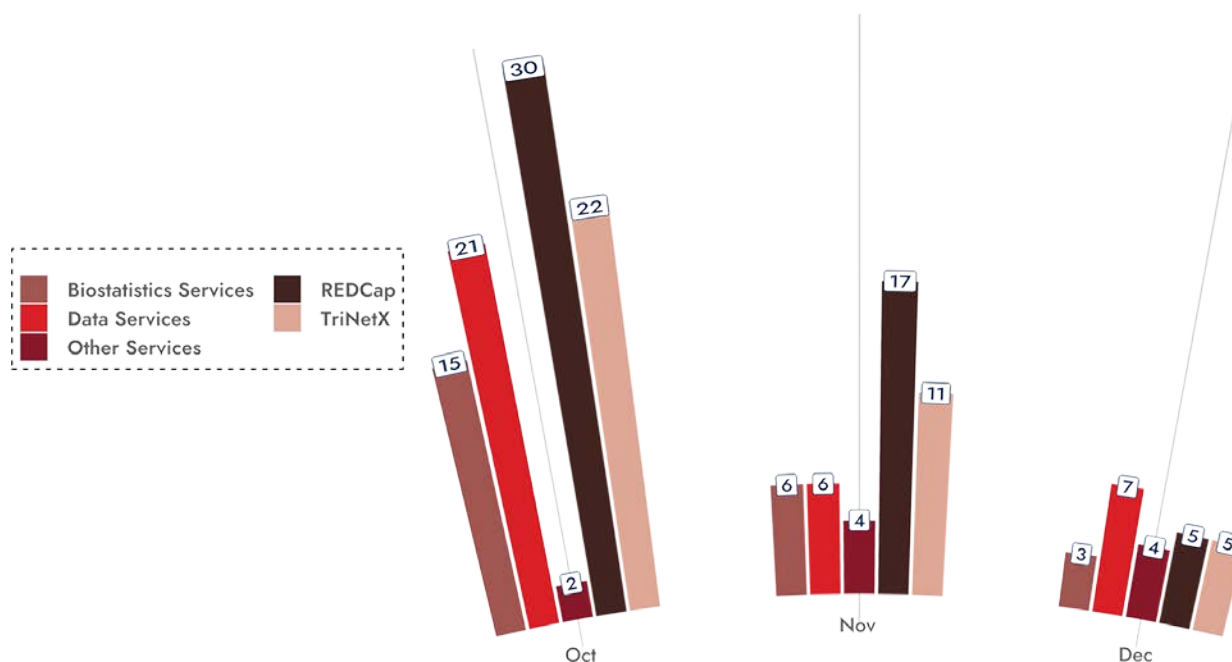


Figure 5. CRDEB iLab Core Management System services logged by month and service type.

Specific Aim 2. Implement cutting-edge tools and methods in biostatistics and epidemiology, with a particular focus on the needs of WV researchers.

The CRDEB core reported 260 BMIR-related inquiries. There were 25 new statistical analysis consultations, 14 sample size or power consultations, and 13 new clinical study design consultations, and 0 new GIS analysis consultations in Q2

Specific Aim 3. Disseminate current and classical information in biostatistics and epidemiology.

CRDEB contributed to 13 linked publications or which 2 were collaborations (1 with Admin and 1 with PD), 1 pending grant for \$100,000, 2 new grants submitted and under review, and 4 presentations. In Q2, 3 externally funded awards supported by CTR Award were reported for this core, totaling \$75,997 (one of these awards was collaboration with CRRF for \$650).

Specific Aim 4¹. Leverage the newly enhanced Integrated Data Repository (IDR2) and partnership through the Appalachian Research Consortium (ARC) to facilitate outcomes research, predictive modeling, and geospatial analysis.

In Q2, there were 20 new custom IDR set requests. 8 requests for updates to previous IDR datasets, and 14 IDR projects reported as complete. No ARC information was reported.

Key Recommendations to Clinical Research Design, Epidemiology & Biostatistics Core

- Identify barriers and work to increase service utilization across partner sites.
- Identify activity related to Appalachian Research Consortium (ARC) or explore potential to revise Specific Aim 4.

¹ CRDEB Specific Aim 4 was previously CRRF Specific Aim 2. This revision was specified by letter to NIH dated November 27, 2017 and subsequently approved.

Clinical Research Resources & Facilities Core

Specific Aim 1. Create a Clinical Trials Center of Excellence (CTCOE) with connection to rural communities and practitioners, thereby providing access to cutting-edge trials addressing health disparities affecting West Virginians.

CRRF contributed to over \$108 million of external funding proposals, predominately from State and Other sources, and nearly \$1 million in external funding awards. There were 2 Early Stage PI's with industry or investigator-initiated funding. With a total projected accrual annual target of 1445, 68 total subjects enrolled and 31 completed across all studies this quarter. The CTCOE provided regulatory (31), study coordination (22), quality assurance (6), and accounting assistance (23) for non-WVCTSI clinical studies. One quality audit was completed. TriNetX offered 14 studies to WVU this quarter, with 7 being accepted by WVU researchers, and none being activated.

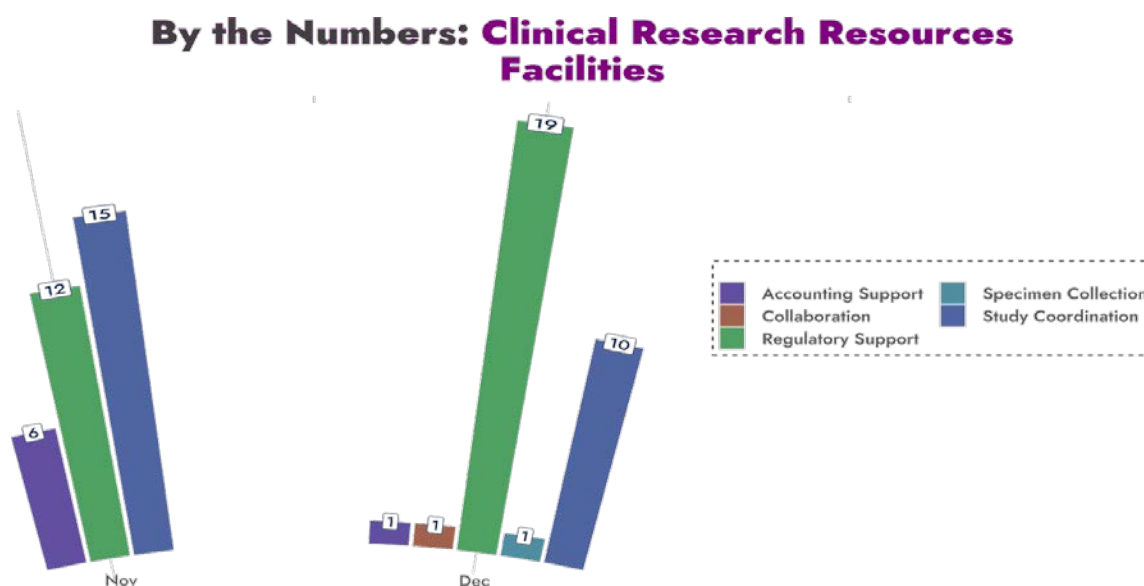


Figure 6. CRRF iLab Core Management System services logged by month and service type.

Specific Aim 2. Establish the Environmental Exposures Unit to stimulate environmental health research in collaboration with the National Institute for Occupational Safety and Health (NIOSH).

There were no data provided this quarter related to the Environmental Exposures Unit.

Key Recommendations to Clinical Research Resources & Facilities Core

- Review progress toward projected and actual accrual targets and determine whether action is warranted to increase study enrollment and completion rates.
- Review TriNetX study activation rates and determine whether action is warranted to facilitate accepted studies being activated in a timely fashion.
- Identify appropriate metrics for Specific Aim 2 and report data on those metrics in upcoming quarterly report cycles.

Community Engagement & Outreach Core

Specific Aim 1. Actively engage patients and other community stakeholders as research partners.

The WVPBRN reported 94 sites in Q2, showing 8 new sites since Q1, hence exceeding the annual target to grow to 90 sites this year.

There were 74 ECHO sites (surpassing the initial annual target 72, and that annual target was increased to 80) with 7 of those new ECHO sites this quarter according to the increase from last quarter.

22 additional partner organizations came on board through the HEAL initiative process. These new partnerships included, but were not limited to, healthcare facilities, mental health facilities, rehabilitation facilities, local health departments, school systems, local county advocates, and legislators. In Q2, among other services there were 12 researchers connected to providers and lay partners, 18 services provided for consultation, 5 services provided for WVPBRN, 25 services provided for ECHO, and 141 services provided for project development and success. CEO reported 4 linked publications, 2 of which were collaborations (1 with PD, 1 with Admin), and 1 presentation in collaboration with Pilots (see Figure 5).



By the Numbers: Community Engagement Core

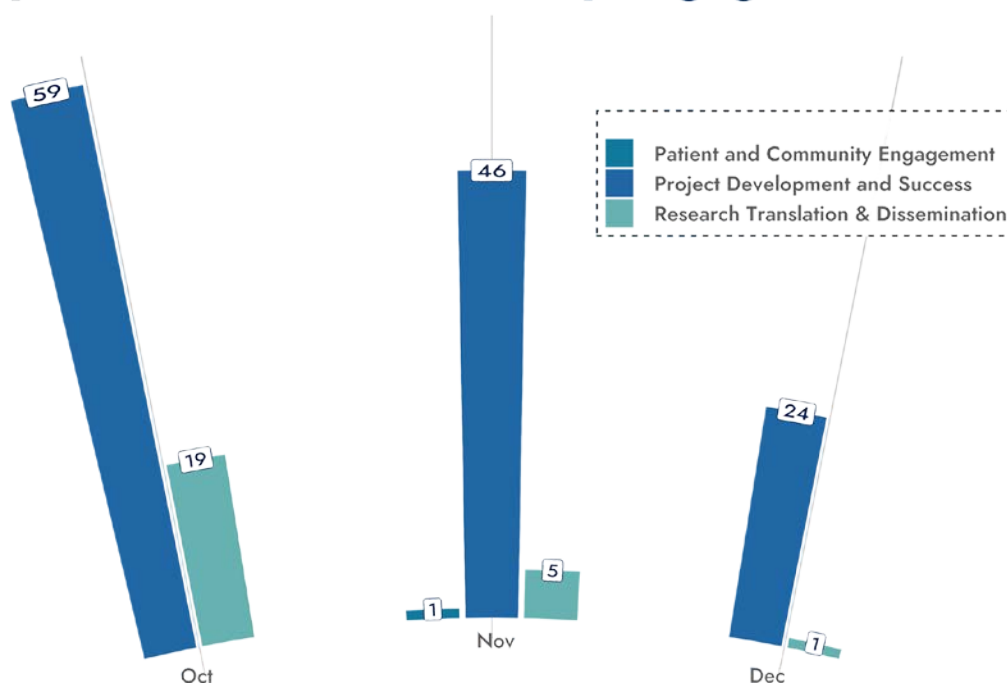


Figure 7. CEO iLab Core Management System services logged by month and service type.

During the second quarter, there were 3 networking opportunities described and 1 focus group session completed, as well as one Community Advisory Board meeting. 10 Community/Project Policy Briefs were reported as being worked on but not ready to be shared with the Tracking and Evaluation Core until after additional community input.

Specific Aim 2. Transform community-identified research questions into externally-funded projects that improve health outcomes in WVCTSI health priority areas.

There were 4 new, 40 ongoing, and 10 completed WVPBRN projects in Q2, with a total of 94 WVPBRN sites. There were 141 services provided for project development and success. Additionally, 6 Ideas on Deck and 1 Ideas in Action were reported in Q2.

Specific Aim 3. Translate and disseminate research results to inform West Virginia health policy and practice.

In Q2 there were 19 services provided for Research Translation and Dissemination, a large increase from Q1, and almost meeting the annual target of 20. In Q2, 1 funding opportunity was identified, and the Administration Core reported 3 externally funded awards supported by CEO totaling \$832,813.

Key Recommendations to Community Engagement & Outreach Core

- Work with Tracking and Evaluation to refine evaluation metrics related to community engagement, especially as related to partner institution activity.
- Continue and expand efforts to disseminate research results through publication in high-quality journals and other outlets.

Pilot Projects Core

Specific Aim 1. Provide infrastructure supporting competitive pilot funding opportunities for early stage (ESI) and new investigators (NI) with subsequent mentored progression to project completion, publication, and external funding application.

20 Open letters of intent (LOI's), 9 WVU Cancer Institute Co-Funding LOI's, 2 Launch LOI's, and 8 Small full applications were received this quarter, with 14 ESI, 3 WVSOM, 1 CAMC, 4 Marshall, 1 PBRN and 1 NIOSH PIs. Funding was awarded to 5 Small pilot projects this quarter. 5 workshops / trainings and 13 services or consultations were provided. Consultations occurred with WVU (11) and MU (2) collaborative partners.

Specific Aim 2. Advance collaborative research endeavors to address WVCTSI priority health areas within WV as well as throughout the Appalachian region.

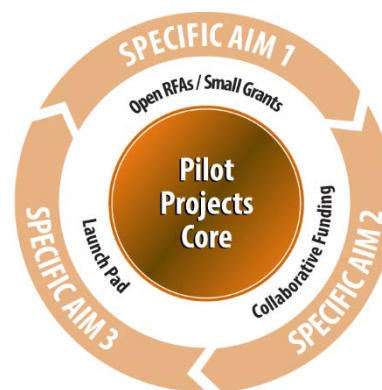
The Pilot Projects Core hosted RFA sessions at all partner sites during Fall 2018 in order to facilitate collaborative efforts. The Pilot Projects Core reported 26 ongoing projects that address critical health issues within WV including obesity, respiratory disease and smoking, cancer, stroke, and opioid treatment, prevention, and education. The Pilot Core contributed to over \$3.2 million in external funding proposals, and \$300,000 in external funding awards, and 10 linked publications in Q2.

Specific Aim 3. Implement the Launch Pad Pilot Program to maximize opportunities for commercialization of novel science.

Letters of intent were submitted for 2 Launch Pad Pilot projects this quarter. Both PI's were clinicians affiliate with WVU.

Key Recommendations to Pilot Projects Core

- Identify Year 7 annual targets for all appropriate metrics.
- Identify barriers and work to increase submissions of Launch Pad Pilot project applications from partner institutions outside of WVU.



Professional Development Core

Specific Aim 1. Create the Scientific and Career Success (SACS) program to provide access to formal mentoring for C/T researchers of all career stages.

There were 23 internal (10 new) and 8 external (all new) active members in the SACS program in Q2. There were 4 special events/programs for women in science. Figure 6 displays year 7 quarter 2 Investigator Development Services per service category as logged in iLab.



By the Numbers: Investigator Development Services

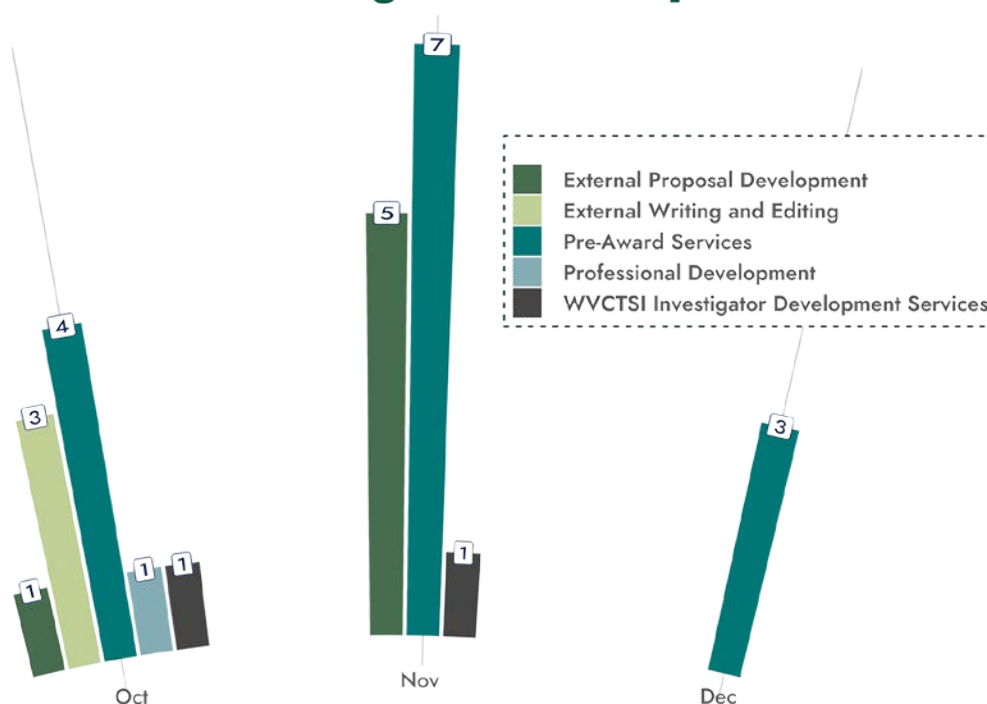


Figure 8. Investigator development services per service category as logged in iLab. Specific Aim 2. Develop formal programs that serve as “on-ramps” to introduce C/T research to early or new investigators and trainees at different career stages.

CTS Certificate reported 2 current students enrolled in Q2. WVU MS in CTS program had 17 students enrolled (3 new with 3 applications received, with 1 student to complete the program). CTS PhD had 8 students enrolled and 7 applications being received in Q2. CTS certificate reported 2 current enrollments. Education programming included 2 new academic courses: CTS 693B SPTP: Clinical Research: Ethics/Regulations and CTS 693C SPTP: Scientific Integrity, offered in Q2.

Specific Aim 3. Develop educational opportunities to support and retain externally funded C/T researchers statewide.

The Professional Development core contributed to over \$500k in external funding proposals and 22 linked publications where 5 of those publications were collaborative with other cores (1 CRRF, 1 CEO, 1

CRDEB, 2 Pilots). There were 3 presentations supported reported in Q2 for PD. Education programming included 9 seminars with 114 unique participants (107 WVU, 2 MU, 4 CAMC, 1 WVSOM): (1)) Radiology Research Lecture 1: Introduction to WVCTSI Services, (2) FACTS Session 2: Composition of a Compelling Biosketch, (3) Radiology Research Lecture 2: Different Types of Research, (4) Clinical Trails Toolkit Series Session 2: Protocol Builder Information and Training Sessions , (5) Clinical Trails Toolkit Series Session 3: Electronic Health Information for Retrospective Research and Cohort Feasibility Using TriNetX, (6) FACTS Session 3: You Got the Grant: Now What? A Post-Award Perspective, (7) Radiology Research Lecture 3: HSOR: Using Retrospective Large Data - Beyond Clinical Trials, (8) Radiology Research Lecture 4: Clinical Departments, and (9) FACT Session 4: Commercializing Your Research: How to Find Additional Funding Through Industry Partners.

Key Recommendations to Professional Development Core

- Identify Year 7 annual targets for all appropriate metrics.
- Identify barriers and work to increase engagement with partner institutions outside of WVU.
- Consider implications of low enrollment in CTS Certificate program.

Technology and Resources for Core Laboratories Core

The Technology and Resources for Core Laboratories core contributed to external funding proposals for over \$4 million and 2 linked publications.

Specific Aim 1. To establish a statewide biospecimen repository that collects patient and study participant samples in WVCTSI priority health areas (addiction and resultant emerging epidemics, cancer, cardiovascular disease, and chronic lung disease).

This was the third quarter in which samples were collected (the first collection began during Quarter 4 of the previous year), and MU and WVU continued to collect and utilize samples during this quarter. To date, no sample activity has been reported from CAMC. There were 9 projects initiated bringing the total to 40 open projects utilizing Biospecimens this quarter.

Specific Aim 2. To establish a statewide West Virginia University (WVU) - Marshall University (MU) genomics shared research facility for the efficient generation of genomic and related data for C/T studies that address WVCTSI priority health areas.

There were 2 Marshall WVCTSI studies and 9 WVU genomics studies reported. There were 10 WVU Illumina projects and 8 at Marshall. Of the 26 runs reported this quarter, 7 were at WVU and 19 were at MU.

Specific Aim 3. To establish a statewide WVU-MU shared Bioinformatics and Data Management (BDM) Facility for C/T studies that address WVCTSI priority health areas.

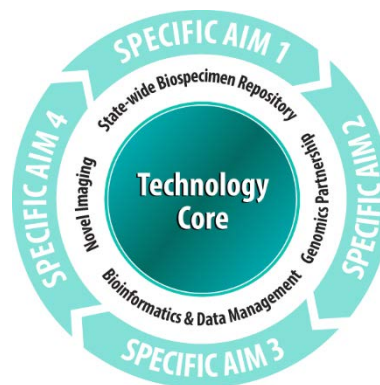
50 participants attended 2 educational workshops including Bioinformatics.

Specific Aim 4. To establish state-of-the-art imaging in support of biologically relevant modeling of disease.

10 WVCTSI investigators received imaging-related services. 9 educational sessions related to imaging were provided, with a total attendance reported of 6. It is not clear whether the total attendance number is unique individuals or whether some sessions had 0 attendees. 4 MRI, 0 MicroCT, and 1 clinical research project were reported.

Key Recommendations to Technology and Resources for Core Laboratories Core

- Identify barriers and work to increase CAMC biospecimen sample collection and utilization.
- Consider opportunities to increase MicroCT utilization.



Tracking and Evaluation Core

Specific Aim 1. Develop Investigator Tracking and Support System (ITSS) utilizing quantitative and qualitative approaches to identify factors contributing to success or providing barriers to productivity.

TEC personnel continued work on a two-phase study with the aim of more clearly understanding 1) how personnel with different roles currently use iLab and 2) the potential for the iLab tool within the context of WVCTSI. The core also continued its efforts in communicating with key contacts to refine metrics for increased accuracy in reporting.



Specific Aim 2. Create and implement systematic set of tools and measurements to drive continuous quality improvement and demonstrate impact of community stakeholder participation and engagement.

Work describing findings from a baseline survey of WVPBRN members was presented during Q2 at the American Evaluation Association meeting. Also, a collaboration survey was administered to support social network analysis and future reporting of connectivity across the WVPBRN.

During Q2, the TEC began a collaborative project with Project ECHO team members to develop an empirical evaluation. The TEC core conducted an exhaustive review of the existing literature on ECHO sites, and is in the process of designing several possible evaluation research studies to highlight unique contributions and statewide impact of WVCTSI's ECHO sites.

Specific Aim 3. Build focused research and evaluation demonstrating WVCTSI impacts on health outcomes in West Virginia.

The Tracking and Evaluation Report for the 1st Quarter of Fiscal Year 2018-2019 was disseminated in Q2. TEC also developed a social network visualization of connectivity among authors on linked publications (see Figure 2). Additionally, a TEC core member contributed to developing qualitative and quantitative measures for an NIH supplement designed with the following two specific aims: 1) describe community attitudes toward opioid use disorder and harm reduction services including syringe exchange, and 2) understand the multilevel syndemic factors that may contribute to development of opioid use disorder among young women for the purposes of informing future intervention studies.

Key Recommendations to Tracking and Evaluation Core

- Identify Year 7 annual targets for all appropriate metrics.
- Work toward increasing awareness and utilization of WVCTSI core services by personnel at WVSOM, especially early stage and new investigators.
- Work with relevant cores to refine evaluation metrics and reporting related to WVSOM activity.

West Virginia School of Osteopathic Medicine (WVSOM)

WVSOM, located in Lewisburg, WV in Greenbrier County, partners with the WVCTSI and is engaged in activities related to research and community engagement. WVSOM focuses on educating students as lifelong learners in osteopathic medicine and complementary health related programs, supporting graduate medical education training, advancing scientific knowledge through academic, clinical, and basic science research, and promoting patient-centered, evidence-based medicine.



In the 2nd quarter of 2018-2019, WVSOM reported 8 proposals submitted and 2 external funding awards. 1 early stage investigator at WVSOM accessed WVCTSI services. Among the total 2,182 WVCTSI members, 73 were affiliated with WVSOM.

Of the affiliated WVSOM members, none was reported as receiving professional development services in Q2. However, several other activities were reported. Related to professional development, there were 5 workshops / courses / seminars / retreats with WVSOM participants and 2 poster/exhibits/promotional events. There were 10 REDCap users.

Key Recommendations to West Virginia School of Osteopathic Medicine

- Identify year 7 annual targets for all appropriate metrics.
- Work toward increasing awareness and utilization of WVCTSI core services by personnel at WVSOM, especially early stage and new investigators.
- Work with relevant cores to refine evaluation metrics and reporting related to WVSOM activity.