

OHSU Evaluation Core: Recent Projects

BUILD EXITO UNDERGRADUATE TRAINING PROGRAM FOR BIOMEDICAL MAJORS

[BUILD EXITO](#) is a ten-year NIH-funded undergraduate research training program that supports students-- including those from historically underrepresented backgrounds--on their pathways to becoming scientific researchers. Centered at Portland State University, EXITO partners include community colleges and universities across Oregon, the Pacific Islands, and Alaska. OHSU serves as the research-intensive partner. The OHSU Evaluation Core handles all aspects of evaluation for this study, including evaluation design, survey development and administration, qualitative and quantitative data collection and analysis, and dissemination of reports to a variety of stakeholders.

KNIGHT CANCER INSTITUTE COMMUNITY PARTNERSHIP PROGRAM TECHNICAL ASSISTANCE

The [Knight Cancer Institute Community Partnership Program](#) (CPP), launched in 2015, provides small grants of \$10K to \$50K to community-based organizations in Oregon who propose projects anywhere along the cancer continuum from prevention and early detection to survivorship. With the intent of promoting equity in the application process, the OHSU Evaluation Core provides evaluation technical assistance to all applicants and ongoing evaluation support for active grantees (over 300 consults to date). In addition, the Evaluation Core is providing longitudinal evaluation of this statewide effort using qualitative and quantitative methods to assess project sustainability and funding impact.

OHSU STUDENT COURSE FEEDBACK DIVERSITY ANALYSIS

Every term, OHSU disseminates a course evaluation questionnaire to students in all schools (SOM, SOMUME, SOD, SOPH, SON). In collaboration with the Teaching and Learning Center, the Evaluation Core annually analyzes results from student responses to the open-ended question: "What and how material is taught encouraged me to explore aspects of mine or others' diversity to enhance our thinking." Recently analyzed data highlighted a range of topics and showed the depth of students' understanding and reflection of diversity within their courses. The TLC uses these results to inform how they work with and provide resources to OHSU faculty and instructors.

THE KNIGHT SCHOLARS PROGRAM

The Knight Scholars Program (KSP) offers high school students whose communities are underrepresented in cancer research, healthcare and public health—including those of diverse races and ethnicities and those from rural areas—an opportunity to explore careers in the fields of cancer research, treatment and prevention. Over the course of up to three summers, scholars tour labs, shadow scientists, and conduct research projects. The OHSU Evaluation Core works alongside KSP and its OHSU PI to assess program impact through surveys and focus groups with scholars, comparison group students, and peer mentors.

OHSU CASEY EYE INSTITUTE COMMUNITY OUTREACH PROGRAM MOBILE CLINIC

The OHSU Casey Eye Institute received five-year funding in 2021 from The Roundhouse Foundation to increase rural community access to vision health screenings and treatment. This project includes a mobile eye clinic, installation of novel technology in clinics across Oregon, and expansion of community health worker training and certification for vision health screening. The Evaluation Core is partnering with Casey and its OHSU PI to evaluate implementation processes, with some measurement of patient level outcomes. Methods employed include a dissemination and implementation (D&I) framework, qualitative data collection, cost analyses, and collaborative analyses with OHSU biostatisticians.

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OPTIMIZING STROKE PROPHYLAXIS FOR ACUTE ATRIAL FIBRILLATION WITH AN ELECTRONIC CLINICAL DECISION SUPPORT TOOL

Atrial fibrillation is a common heart rhythm disorder and is responsible for up to 1.2 million Emergency Department (ED) visits per year. Oral anticoagulants (OACs) prevent strokes, yet clinicians rarely prescribe OACs during an ED visit, leading to delayed and fragmented care. By implementing a clinical decision support tool consistent with evidence-based guidelines and optimizing the tool through feedback from clinicians and patients, this research plan has the potential to improve both the transition of care for ED patients with AF and long-term clinical outcomes. Working with the OHSU PI, the OHSU Evaluation Core is managing qualitative evaluation activities, including tool design, interviews with patients and providers, and data analysis.

OREGON HEALTH AUTHORITY ORAL HEALTH WORKFORCE

In 2018, Oregon Health Authority (OHA) received a four-year grant from the Health Resources and Services Administration (HRSA) to increase oral health workforce capacity in several rural counties designated as Dental Health Professional Shortage Areas (HPSAs). The Evaluation Core is providing longitudinal evaluation of this grant, including: ongoing measurement and analysis of dental workforce statistics, conducting interviews with clinic administration, and piloting a tool to better understand strengths and challenges in recruitment and retention of dental providers.

NIH'S ICITE - APPROXIMATE POTENTIAL TO TRANSLATE (APT)

The translation of academic drug discoveries to clinical trials and novel therapeutics has been historically challenging. The analytic tool, iCite was built by the NIH Office of Portfolio Analysis to help researchers and evaluators identify the translatability of scientific research. The iCite algorithm assigns a score of Approximate Potential to Translate (APT) through a machine-learning based prediction model. Publications more likely to receive a clinical citation are given a higher APT score. We applied iCite to over 40,000 publications containing PubMed IDs associated with OHSU and the Portland VA from the Scopus publication database. The result was a list of basic science researchers with a high potential to translate their research. Our goal is to work with these investigators to increase their chances of translating research.

OHSU RESEARCH METRICS

The OHSU Evaluation Core team includes a data scientist who is responsible for aggregating OHSU data to inform clinical research metrics. These metrics include Informatics data warehouse utilization and satisfaction, research workforce demographics, efficiency metrics such as turnaround times, accrual to clinical trials metrics, and levels of participation by OHSU patients in clinical research. For an example of this published work, please see our recent paper: [From bedside to benchmarks: A physician-scientist workforce dashboard for biomedical research institutions.](#)

RSTUDIO CONNECT & THE OCTRI DASHBOARD SERVICE

Data dashboards are information management tools that help track, analyze and visualize data collected through research. They are customized to present key indicators and metrics as they relate to collected data. Dashboards are built to meet the specific needs of the data itself, the research team and the department they are made for. They can also be integrated with API-connections--allowing for real-time data updating through databases such as RedCap. Our data dashboards are housed on RStudio Connect. RStudio Connect is a publishing platform that allows us to create and share your dashboard through an easily accessible link within the security of the OHSU VPN.

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MEYER MEMORIAL TRUST EVALUATION CAPACITY BUILDING

Community-based organizations (CBOs) are often required by funders to prove program effectiveness through program evaluation, but lack capacity. This lack of capacity also makes them less able to apply for funding, as they lack preliminary data on effectiveness. The Evaluation Core applied for, and received, funding from, Meyer Memorial Trust to use an Empowerment Evaluation approach to build evaluation capacity within two small CBOs. We provided methodological expertise by conducting trainings, providing ongoing technical assistance, and co-developing tools for the CBOs to use after direct Evaluation Core support ended. Evaluation Core partners for this project were [Oregon Safe Schools and Communities Coalition](#) and [Youth ERA](#).

LATINO COMMUNITY ASSOCIATION RAICES AFTER SCHOOL PROGRAM EVALUATION

Located in Deschutes County, the [Latino Community Association](#) (LCA) developed the RAICES Youth Literacy and Empowerment Program, an after-school program that blends Spanish literacy instruction with relevant cultural history and enrichment activities. The Evaluation Core is co-developing an evaluation with LCA to measure RAICES participant resilience, cultural identity, Spanish and English Literacy, and socio-emotional learning through surveys, assessments, and report card data. Evaluation Core is partnering on the LCA evaluation with the OHSU Community Research Hub.

DESCHUTES COUNTY PUBLIC HEALTH CRISIS RESPONSE SERVICES IMPLEMENTATION EVALUATION

In early 2018, [Deschutes County Health Services](#) (DCHS) received a Justice and Mental Health Collaboration Program grant from the Bureau of Justice Administration to expand mental health crisis response services within Deschutes County. Along with the OHSU Community Research Hub, the Evaluation Core is working with DCHS to complete a planning and implementation guide for the new services and provide ongoing evaluation planning and technical assistance.

SAFE DISPOSAL FOR SAFE COMMUNITIES

Lines for Life received funding from Kaiser Permanente NW in 2019 to address improper medication disposal and reduce opioids in circulation throughout Oregon. The Safe Disposal for Safe Communities project involved several initiatives to convene Federally Qualified Health Center (FQHC) pharmacies, advocate for medication disposal at retail pharmacies, and provide funding to pharmacies for medication disposal boxes where people can deposit leftover or expired medications. The Evaluation Core evaluated six pilot FQHC pharmacies that received a medication disposal box. The evaluation measured program impact through pharmacy patient surveys, FQHC pharmacy staff and advisory board member interviews, as well as disposal box utilization and observational data at these pharmacies.

A SMILE FOR KIDS

A Smile for Kids (ASK) is a non-profit that works to provide equitable access to orthodontic care to improve the self-confidence, health, and resilience of underserved youth throughout Oregon. In 2020, the Evaluation Core and Community Research Hub partnered with ASK and created a mixed-method evaluation plan to monitor and evaluate the program. The Evaluation Core plans to implement the evaluation plan and worked with ASK on several grant proposals to fund this work. In addition, the Evaluation Core has provided consultation and feedback on tool design for the program. Please see: <https://ktvz.com/news/redmond/2020/10/05/a-smile-for-kids-ohsu-partner-to-evaluate-program-providing-braces-for-kids/>.