

The Value & Challenges of a Unified Evaluation of Translational Workforce Development

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Institute of Translational Health Sciences
ACCELERATING RESEARCH. IMPROVING HEALTH.

TWD PROGRAMS & EVALUATION

Training Programs

KL2 Program

3-year mentored career development award

- Early-career translational investigators (i.e. junior faculty,)
- Salary support, research funding provided
- Multi-disciplinary training environment
- Writing workshops, works-in-progress, peer feedback

TL1 Program

1-year translational research training award

- Pre-doctoral students in health related fields
- Stipend, research funding provided
- Training in team science & clinical research methods
- Works-in-progress & peer feedback
- Translational group projects

Translational Workforce Development

Career Development Series

Monthly lectures and workshops

- Provides early investigators with skills and insight to help advance their careers as translational scientists
- Example topics include: Innovations and new directions in mentoring; Mastering public speaking; What really happens in an NIH Study Review; & Networking with confidence

Clinical Research Education Series

Quarterly education and networking events

- Designed for research coordinators interested in clinical research skills
- Serving research professionals from partner institutions in the 5 state region

Intensive Research 2-Day Workshops

Multi-day workshops on important translational skills and topics

- In-depth training for investigators and research professionals
- Seminars include: Introduction to clinical trials and research; Team Science; Budgeting, Study Start-up and more

Outputs

- Increased knowledge of core competencies
- Improved quality of research proposals
- Improved publication & grant writing skills
- Improved understanding of path toward career advancement

- Increased knowledge of core competencies
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- Increased knowledge of career advancement topics

- Increased knowledge of skill-based topics

- Increased knowledge of study design, study start-up & clinical trial management

Outcomes

- Increase in self-reported proficiency on each of competencies from pre (baseline) to post (exit)
- Improved scientific communication skills
- Increased use of translational language from research proposals submitted with application to proposal at program exit
- Satisfaction & usefulness of peer-review process
- Count of translational-related manuscripts for publications & grants
- Count of translational-related publications, grant applications & patents
- Level of compliance with IDP goals

- Self-reported increase in knowledge of learning objectives
- Satisfaction with trainer and material covered
- Expectations that material covered will be applied in work setting

Impact



- Continued research in translational science
- Career advancement in field
- Leadership in translational science
- Improved health in WWAMI region



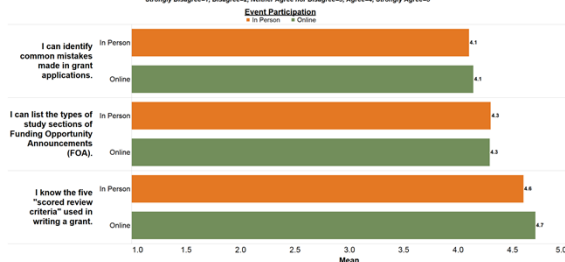
What are you doing to evaluate success in education and training?

What are your ideas for creating *objective* outcome measures?

What are your challenges with evaluations of education & training programs?

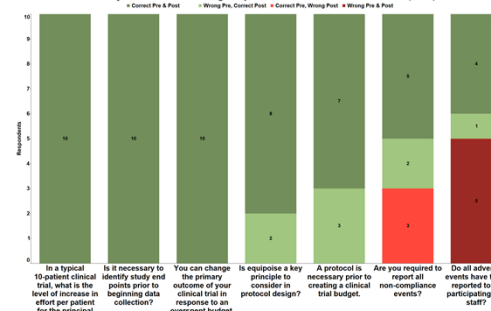
SELECTED RESULTS

Mean Level of Agreement with Statements Regarding Learning Objectives
(Total Respondents n=17, In Person n=10, Online n=7)
Strongly Disagree=1, Disagree=2, Neither Agree nor Disagree=3, Agree=4, Strongly Agree=5



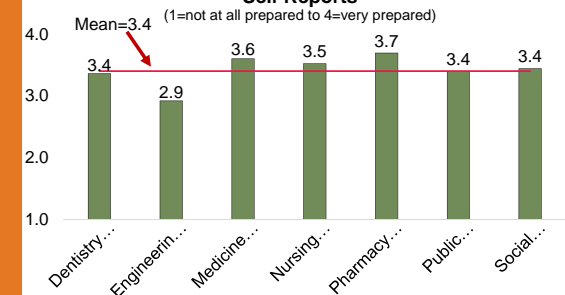
From the Career Development Series

Faculty Pre and Post Training Responses to Closed-Ended Questions (n=10)



From the Intensive Research 2-Day Workshops

2017-2018 TL1s School Means Across 25 Items
Measuring all 13 Core Competencies – Self Reports



From the TL1 Program