

Clare Viglione, MPH, RD

Borsika Rabin, PhD, MPH PharmD









Colorado Clinical and Translational Sciences Institute (CCTSI)

JNIVERSITY OF COLORADO DENVER | ANSCHUTZ MEDICAL CAMPU

# UC San Diego Altman Clinical and Translational Research institute Dissemination & Implementation Science Center (DISC)

Mission: Establish UC San Diego as a nationally and internationally recognized flagship for D&I science through training, technical assistance, and research advancement.

**Vision:** To advance UC San Diego's public health impact locally and globally through D&I science.

- Funded through an initial 3 year investment by Health Sciences (2020-2023)
- Administratively housed within ACTRI to facilitate linkages across Health Sciences







## Visit our website – **DISC.ucsd.edu**

UC San Diego School of Medicine

Patient Care ▼ Education & Training ▼ Research ▼ Giving ▼ About Us ▼

## UC San Diego

Altman Clinical and Translational Research Institute

**Dissemination and Implementation Science Center** 

search

>

**ABOUTUS** 

RESEARCH **ADVANCEMENT** 

TRAINING & EDUCATION

CONSULTATION

BECOME A DISC MEMBER

**NEWS & EVENTS** 

TOOLS & RESOURCES



#### Mission

Establish UC San Diego as a nationally and internationally recognized flagship for dissemination and implementation (D&I) science through training, technical assistance, community engagement, and research advancement.

#### Vision

Advance UC San Diego's public health impact locally and globally through D&I science.

## **Key Activities**

#### Research Advancement

D&I science publications, grants, and opportunities for pilot funding and career advancement.

#### **News & Events**

#### May D&I Journal Club and Works in Progress

Join us for our monthly Journal Club on 5/14 at 2PM PST via Zoom, Drs. Ana Baumann &

### **Contact Us**

Email us at disc@health.ucsd.edu







## **D&I Capacity Building Project**

- Centers focused on D&I training, mentorship, and capacity building have proliferated nationally and internationally in recent years.
- There has yet to be a comprehensive inventory of U.S. and international D&I centers cataloguing information about activities, infrastructure, and priorities.
- This project seeks to identify and describe existing D&I centers and programs and build a compendium of strategies to bolster discrete D&I capacity building efforts.









## **Related Publications to date**

- Darnell, D., Dorsey, C.N., Melvin, A. *et al.* A content analysis of dissemination and implementation science resource initiatives: what types of resources do they offer to advance the field?. *Implementation Sci* **12**, 137 (2017)
- Davis, R., D'Lima, D. Building capacity in dissemination and implementation science: a systematic review of the academic literature on teaching and training initiatives. *Implementation Sci* **15**, 97 (2020).
- WHAT ARE WE MISSING???

## **Under development:**

- Amy Huebschmann, Borsika Rabin, Ross Brownson and team: graduate programs for D&I internationally and competencies for D&I
- Rachel Davis: Reporting criteria for D&I capacity building initiatives

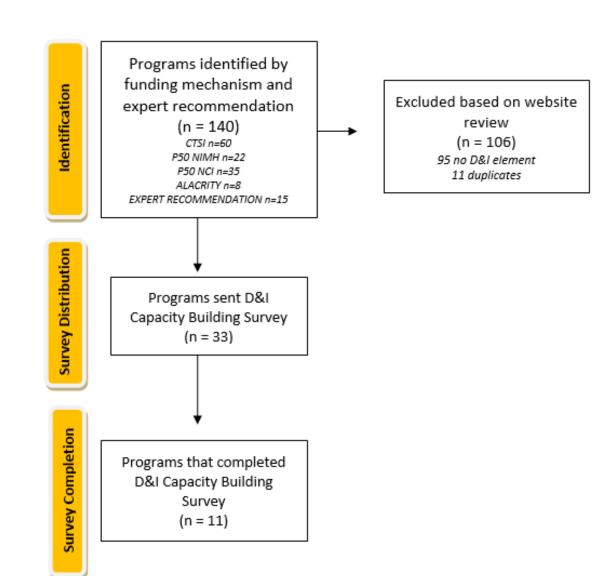








# **Phase 1 Search Algorithm**









## **Methods**

- A targeted review of NIH Reporter awarded centers (e.g., NIMH or NCI P Centers) and review of relevant CTSA sites through Google searches and expert recommendation
- Systematic screening of center and program websites for D&I activities and relevance
- Online distribution of D&I Capacity Building Survey to assess inputs, activities and outputs using domains from the Brownson et al. (2017) D&I Capacity Building Model







# **D&I Capacity Building Logic Model**

#### Inputs

#### Financial Resources

- grants/awards
- academic affiliation (space, infrastructure)

#### **Human Resources**

- Team:
- Faculty
- Staff
- Program Members
- Program Audience

#### Knowledge Resources

- website
- social media platforms
- specific clinical expertise
- D&I expertise
- grant development

#### **Activities**

#### **D&I Training & Education**

- webinars, workshops
- D&I graduate programs

#### **D&I Mentorship**

- student/faculty mentorship
- internships

#### **D&I** Consultation

- individual/small group consultations

#### D&I Professional Networking Opportunities

- networking conferences
- Journal Club meetings

#### D&I Grant Development Support

- recorded video instructions
- meetings

#### **D&I Technical Assistance**

- recorded video trainings
- synchronous trainings

#### **D&I Resources and Tools**

- web-based resources
- training videos

#### Outputs

# of consultations # grants reviewed, submitted, awarded # publications reviewed, submitted, published

# of meetings # of workshops # of mentees # of active members # of and types of mentors/investigators - member satisfaction

# of and types of resources shared # of conferences # practice-relevant products # new collaborations - social media analytics

## **Outcomes & Impact**

#### -Increased awareness & knowledge of D&I

Proximal

- -Expanded network of D&I researchers and practitioners\*
- -Increased transdisciplinary member expertise\*
- -More extensive leadership structure\*

-Increased research and community collaborations\*

Long-term

- Shared network of D&I expertise\*
- Expanded cross-campus collaborations\*
- Improved D&I capacity
- Advancement of D&I science
- Sustained D&I funding\*

## Impact and ROI\*

- Accelerated translation of research innovations to practice
- Advancements to the field of D&I research and practice
- Improvement in public health through expanded D&I research and practice initiatives
- Improved health care and health-related services

\*to be collected through Phase Two interview





# D&I center webpage review

| n (%)   |
|---------|
| 27 (82) |
| 6 (18)  |
| 29 (88) |
| 18 (55) |
|         |
| 29 (88) |
| 24 (73) |
| 26 (79) |
| 23 (70) |
| 23 (70) |
|         |





# **D&I** capacity building survey

| D&I Centers & Programs (n=11)   | n (%) or M (SD) |
|---------------------------------|-----------------|
| Based in US                     | 10 (91)         |
| Academic-affiliated             | 10 (91)         |
| Organizational Structure (n=10) |                 |
| # Faculty                       | 3.4 (2.6)       |
| # Staff                         | 4.7 (8.9)       |
| D&I Activities (n=11)           |                 |
| Training and Education          | 8 (73)          |
| Mentorship                      | 8 (73)          |
| Consultation                    | 8 (73)          |
| Grant Development Support       | 8 (73)          |
| Technical Assistance            | 7 (64)          |
| Resources and Tools             | 7 (64)          |
| Professional Networking         | 6 (55)          |







# **Next steps**

- Phase 2 (ongoing) includes an advanced algorithmic Google Search of 6,850 webpages to identify D&I centers
- Phase 3 will include additional distribution of the D&I Capacity Building Survey and interviews with a subset of programs to examine Outcomes & Impact domains from the Brownson et al (2017) D&I Capacity Building Model
- Products:
  - Database of D&I Programs with key descriptors
  - Publication
- Timeline: Phase 3 complete by summer/fall 2021









# Sign up to be a DISC Member/Investigator!

• Email: DISC@health.ucsd.edu

Web: <u>DISC.ucsd.edu</u>

• Twitter: @ImpSciUCSD

Become a member!