



Clinical and Translational Science Awards Program
**Coordination, Communication, &
Operations Support**

CTSA Program Webinar

October 25, 2023



National Center
for Advancing
Translational Sciences



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Agenda

TIME	TOPIC	PRESENTERS
2:00 PM ET	Welcome	Beck Lazelle, PhD CCOS
2:01– 2:10 PM	NCATS/CTSA Updates	Mike Kurilla, MD, PhD NCATS
2:11-2:19 PM	Education Branch Update	Amanda Vogel, PhD, MPH NCATS
2:20-2:28 PM	Integration Across the Lifespan EC	Mark Supiano, MD University of Utah Karen Wilson, MD, MPH University of Rochester
2:29-2:37 PM	Collaboration & Engagement EC	Olveen Carrasquillo, MD, MPH University of Miami Arleen Brown, MD, PhD UCLA
2:38-2:46 PM	Workforce Development EC	David Ingbar, MD University of Minnesota Lisa Cicutto, PhD University of Colorado Denver
2:47-2:55 PM	Informatics EC	Peter L. Elkin, MD, MACP, FACMI, FNYAM University of Buffalo Jomol Mathew, PhD University of Wisconsin-Madison
2:56-3:00 PM	CCOS Updates/Adjourn	Kerry James, MPH, PMP CCOS

NCATS/CTSA Program Updates

Michael Kurilla, MD, PhD

Director, Division of Clinical Innovation
NCATS

October 25, 2023

FY 2024 Appropriations Bills: NCATS

Activity to date:

- House –
 - Bill released July 13
 - Passed subcommittee
- Senate –
 - Bill released July 27
 - Passed full committee
- NIH Operates Under a Continuing Resolution ([NOT-OD-24-007](#) released Oct 4, 2023)
- Through November 17, 2023

\$ in millions

	FY 2023	FY 2024		
	Enacted	President's Budget Request (Difference vs FY23 Enacted)	House Bill (Difference vs FY23 Enacted)	Senate Bill (Difference vs FY23 Enacted)
NCATS (total)	923.3	923.3 (0%)	923.3 (0%)	923.3 (0%)
- CTSA Programs	629.6	629.6 (0%)	629.6 (0%)	629.6 (0%)
- Non-CTSA	293.8	293.8 (0%)	293.8 (0%)	293.8 (0%)



Summary of the first year of UM1 awards

Organization Name	Total Cost UL1 GY5 FY22 (\$)	Total Cost - UM1 FY23 (\$)	Increase (\$)	Increase (%)
Institution #1	\$ 4,274,173	\$ 4,368,000	\$ 93,827	2%
Institution #2	\$ 10,913,661	\$ 10,904,204	\$ (9,457)	0%
Institution #3	\$ 5,264,717	\$ 5,474,745	\$ 210,028	4%
Institution #4	\$ 5,540,148	\$ 6,029,792	\$ 489,644	9%
Institution #5	\$ 9,437,431	\$ 11,394,244	\$ 1,956,813	21%
Institution #6	\$ 9,580,390	\$ 10,042,058	\$ 461,668	5%
Institution #7	\$ 3,618,781	\$ 4,030,810	\$ 412,029	11%
Institution #8	\$ 9,706,272	\$ 10,140,000	\$ 433,728	4%
Institution #9	\$ 3,535,852	\$ 5,461,665	\$ 1,925,813	54%
Institution #10	\$ 3,562,484	\$ 4,023,408	\$ 460,924	13%
Institution #11	\$ 5,830,382	\$ 8,078,131	\$ 2,247,749	39%
Institution #12	\$ 7,921,844	\$ 7,722,705	\$ (199,139)	-3%
Institution #13	\$ 5,778,038	\$ 7,727,233	\$ 1,949,195	34%
Institution #14	\$ 3,591,518	\$ 3,991,000	\$ 399,482	11%
Institution #15	\$ 3,814,720	\$ 5,635,633	\$ 1,820,913	48%
Institution #16	\$ 4,497,123	\$ 5,622,982	\$ 1,125,859	25%
Total Sum of FY23 hubs (\$)	\$ 96,867,534	\$ 110,646,610		
Total Increase of Total UM1 - Total UL1 (\$)		\$ 13,779,076		
Total Increase Total UM1 - Total UL1 (%)		14%		
Average Increase (\$)			\$ 861,192	
Average Increase (%)				17%

[Mike's Blog: FY23 Ends with a Bang, but Some of Us Are Whimpering](#) (Released Oct 5, 2023)



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Summary of the first year of the K12 awards

Institution	Total Cost of KL2 GY5 FY22 (\$)	Total Cost of K12 FY23 (\$)	Increase (\$)	Increase (%)	Slots FY22	Slots FY23	Slot Increase (number)	Slot Increase (%)
Institution #1	\$ 539,436	\$ 756,000	\$ 216,564	40%	3	4	1	33%
Institution #2	\$ 1,363,662	\$ 1,619,800	\$ 256,138	19%	9	9	0	0%
Institution #3	\$ 868,214	\$ 971,000	\$ 102,786	12%	6	5	-1	-17%
Institution #4	\$ 1,040,066	\$ 973,211	\$ (66,855)	-6%	6	6	0	0%
Institution #5	\$ 1,004,236	\$ 1,532,630	\$ 528,394	53%	5	8	3	60%
Institution #6	\$ 1,690,799	\$ 1,620,000	\$ (70,799)	-4%	9	9	0	0%
Institution #7	\$ 586,466	\$ 754,800	\$ 168,334	29%	4	5	1	25%
Institution #8	\$ 1,382,859	\$ 1,620,000	\$ 237,141	17%	9	11	2	22%
Institution #9	\$ 716,219	\$ 971,200	\$ 254,981	36%	4	5	1	25%
Institution #10	\$ 742,944	\$ 749,462	\$ 6,518	1%	3	3	0	0%
Institution #11	\$ 713,069	\$ 756,000	\$ 42,931	6%	4	4	0	0%
Institution #12	\$ 680,426	\$ 958,666	\$ 278,240	41%	4	5	1	25%
Total Sum of K12s (\$)	\$ 11,328,396	\$ 13,282,769			66	74		
Total Increase of Total K12 - Total KL2 (\$)		\$ 1,954,373				8		
Total Increase Total K12 - Total KL2 (%)		17%				12%		
Average Increase over GY5 (\$)			\$ 162,864				0.67	
Average Increase over GY5 (%)				20%				14%

[Mike's Blog: FY23 Ends with a Bang, but Some of Us Are Whimpering](#) (Released Oct 5, 2023)



Request for Information: Developing Consent Language for Research Using Digital Health Technologies

- **Purpose:**
 - NIH is requesting information on the utility and useability of sample language and accompanying considerations developed for use in informed consent documents for digital health technologies utilized in research.
- **Sample language components focused on:**
 - Introduction
 - Procedures
 - Data Sharing and Ownership
 - Potential Risks
 - Potential Benefits
 - Cost
 - Withdrawal
- **Responses due by:** December 12, 2023 [NOT-OD-24-002](#)
- **Inquiries:** SciencePolicy@mail.nih.gov



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NIH Loan Repayment Program Applications Open Through November 16, 2023



Programs:

- Clinical Research
- Pediatric Research
- Health Disparities Research
- Contraception and Infertility Research
- Clinical Research for Individuals from Disadvantaged Backgrounds
- Research in Emerging Areas Critical to Human Health (REACH)
 - Data science and health informatics to provide clinical decision support of health care providers
 - Telehealth and mobile health research approaches to improve the health of under-served and under-represented populations



NIH LRPs
A lifeline for researchers drowning in debt

\$160,000 average educational debt
of individuals with graduate degrees in medicine and health sciences

Awards up to \$100,000
in student loan repayment, for a 2-year research commitment

Over \$68 million invested in five NIH mission critical research areas

- Clinical
- Clinical for Individuals from Disadvantaged Backgrounds
- Contraception & Infertility
- Health Disparities
- Pediatric

50% success rate
provides nearly 1,400 researchers' debt reduction each year

APPLY FOR YOUR LIFELINE
SEP 1 – NOV 15

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www.lrp.nih.gov



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NCATS 2024 Strategic Plan

Current NCATS Strategic Plan (Fall 2016): <https://ncats.nih.gov/strategicplan>

If you have feedback for the NCATS 2024 strategic plan, please send comments to:

NCATS2024StrategicPlan@nih.gov

NEW! Request for Information (RFI): Inviting Input on NCATS' Strategic Plan for 2024-2029 ([NOT-TR-23-027](#))
Responses accepted through November 1, 2023

Upcoming Dates to Remember

Next CTSA Program Webinar

January 24, 2024; 2-3 PM ET. [Register here.](#)



NCATS

COLLABORATE. INNOVATE. ACCELERATE.

 ncats.nih.gov

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Areas of Strength and Opportunities for Growth in Translational Science Education and Training

Results of a Scoping Review from the NCATS Education Branch

Amanda L. Vogel PhD MPH



Acting Director, Education Branch, OPCE, NCATS

Presentation Goals and Expected Outcomes


Goals:

- Share selected findings from a scoping review of the literature on TS education and training, which provide insight into –
- The state of TS education and training nationally
- Areas of strength and opportunities for growth

CTS Clinical and
Translational Science
Open Access

SYSTEMATIC REVIEW |  Open Access | 

Areas of strength and opportunities for growth in translational science education and training: Results of a scoping review from the NCATS Education Branch

Amanda L. Vogel , Brittany M. Haynes, Shadab F. Hussain, Lameese D. Akacem, Marcus G. Hodges, Josh A. Duberman, Gisela Butera, Jessica M. Faupel-Badger

First published: 02 August 2023 | <https://doi.org/10.1111/cts.13570>

<https://ascpt.onlinelibrary.wiley.com/doi/full/10.1111/cts.13570>

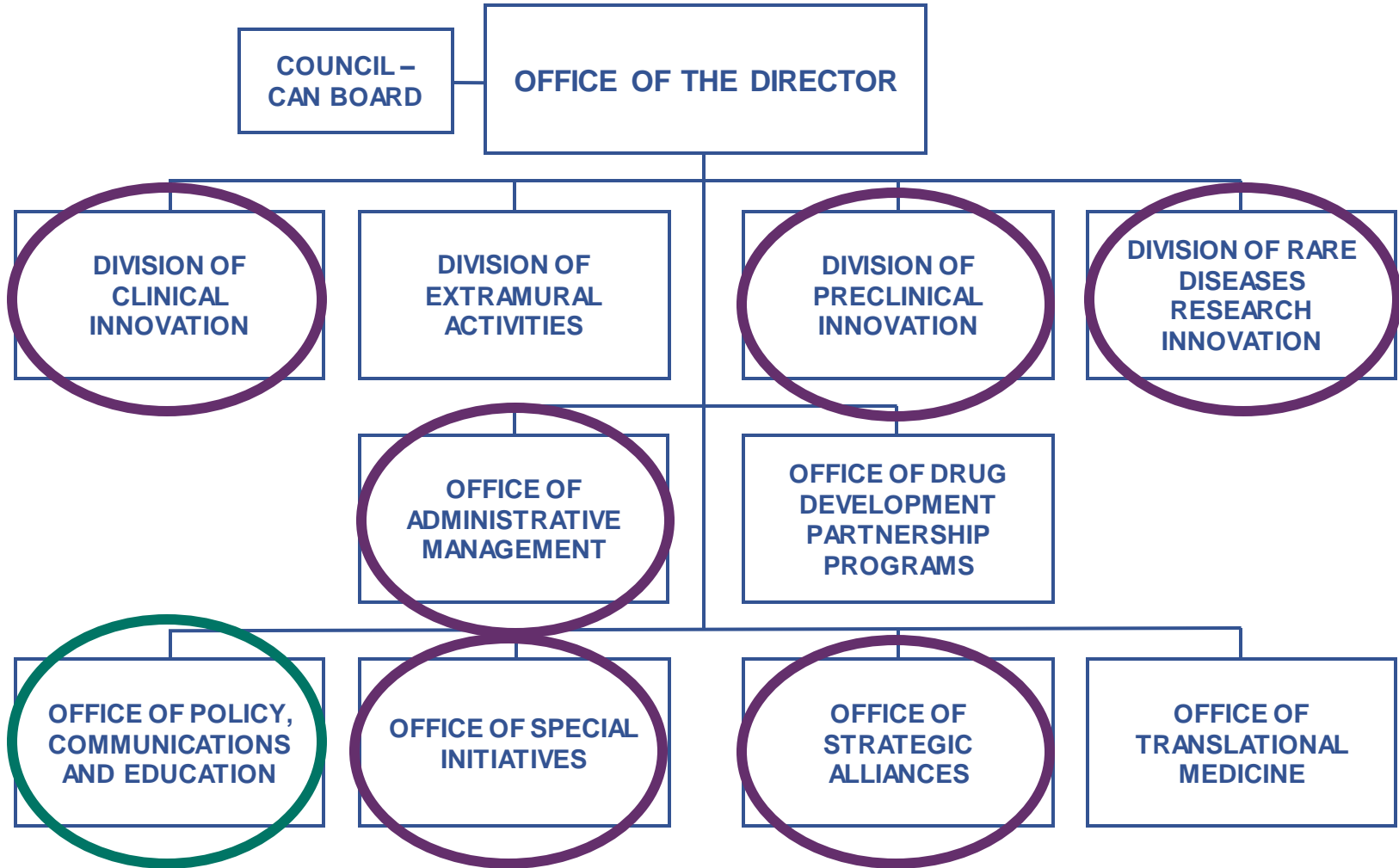
Expected outcome:

- Stimulate conversation about future directions for TS education and training among the CTSA community



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NCATS Organizational Chart



[Learn more about our staff: ncats.nih.gov/staff](https://ncats.nih.gov/staff)



Education Branch, OPCE

Vision: A highly skilled, large, and diverse TS workforce equipped with the competencies needed to accelerate progress along the translational pipeline toward more health solutions for all people

Our work includes:

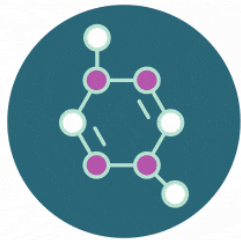
- Collaborating across NCATS Offices/Divisions to advance understanding of TS, and scientific and operational approaches for accelerating translational progress
- Piloting and disseminating innovation educational resources for our trainees and the scientific community to enhance access to TS knowledge
- Running intramural training office for DPI fellows
- Producing original scholarship



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What is the state of translational science education and training, nationally?

Translational Science: the field that generates scientific and operational innovations that overcome longstanding challenges along the translational research pipeline.



- What translational science strategies and approaches are being taught?
- What stages of the translational continuum are addressed?
- Who are the participants?
- What teaching modalities are being leveraged?
- How is the state of evaluation, and related findings?
- What do leaders in the field recommend for each of the above?



Scoping Review of the Peer Review Literature

- **Very specific focus:** Education and Training opportunities/recommendations with a stated aim of conveying content **relevant to accelerating progress along the translational pipeline**, from biomedical research to health solutions
- **Scoping review:** A systematic and iterative approach to literature review that synthesizes a body of literature in an existing or emerging field
- **Databases searched:** ERIC, Embase, PubMed, WoS
- **Articles screened:** 1,016
- **44 Included Articles:** English language, peer reviewed, 2005-2021, and either....
 - **29 described the curriculum** of past/current E&T opportunities with our specific focus
 - **15 offered recommendations** for E&T opportunities with this focus



Included Articles: Some Points of Interest

- **CTSAs are Leading this Work**
 - Over three-quarters ($n=34$, 77%) of included articles had one or more authors affiliated with a CTSAs supported institution
- **There is an Understanding that TS Approaches are Generalizable to the Translational Spectrum (T0-T4). There is also a focus on Preclinical and Clinical Research.**
 - Half of the articles ($n=22$, 50%) -- full TR continuum
 - Half ($n=22$, 50%) -- particular phases of the TR continuum, with a focus on preclinical, clinical, and the transition between them
- **Translational Science Lens is being Applied Broadly**
 - A third of articles ($n=15$; 34%) focused on incorporating TS content into education and training on specific research topics, disciplines, or fields
 - E.g., Health Disparities; Regenerative Medicine; Behavioral Science; Informatics; Precision Medicine

Translational Science

Translational Science is the field that generates scientific and operational innovations that overcome longstanding challenges along the translational research pipeline.



Prioritize initiatives that address unmet needs



Produce crosscutting solutions for common and persistent challenges



Emphasize creativity and innovation



Leverage cross-disciplinary team science



Enhance the efficiency and speed of translational research



Utilize boundary-crossing partnerships



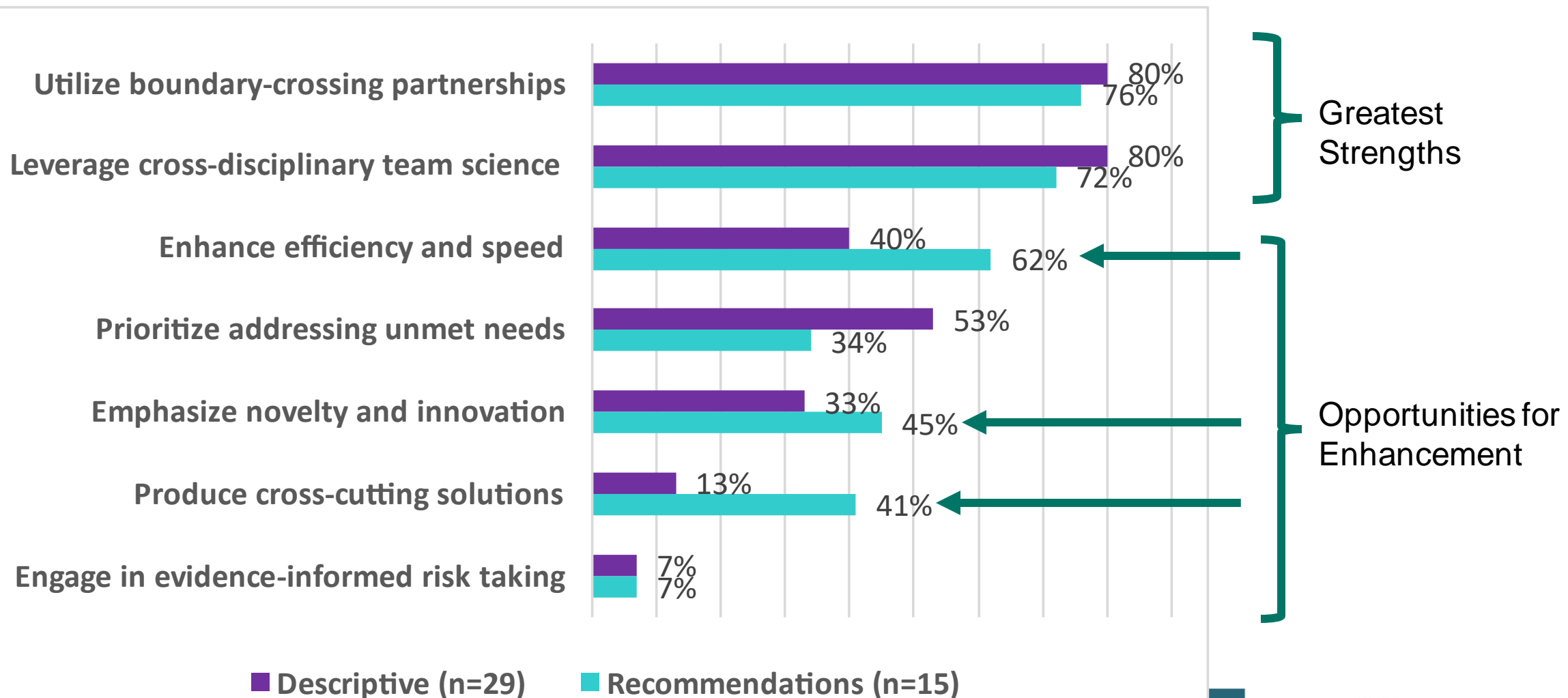
Use bold and rigorous research approaches



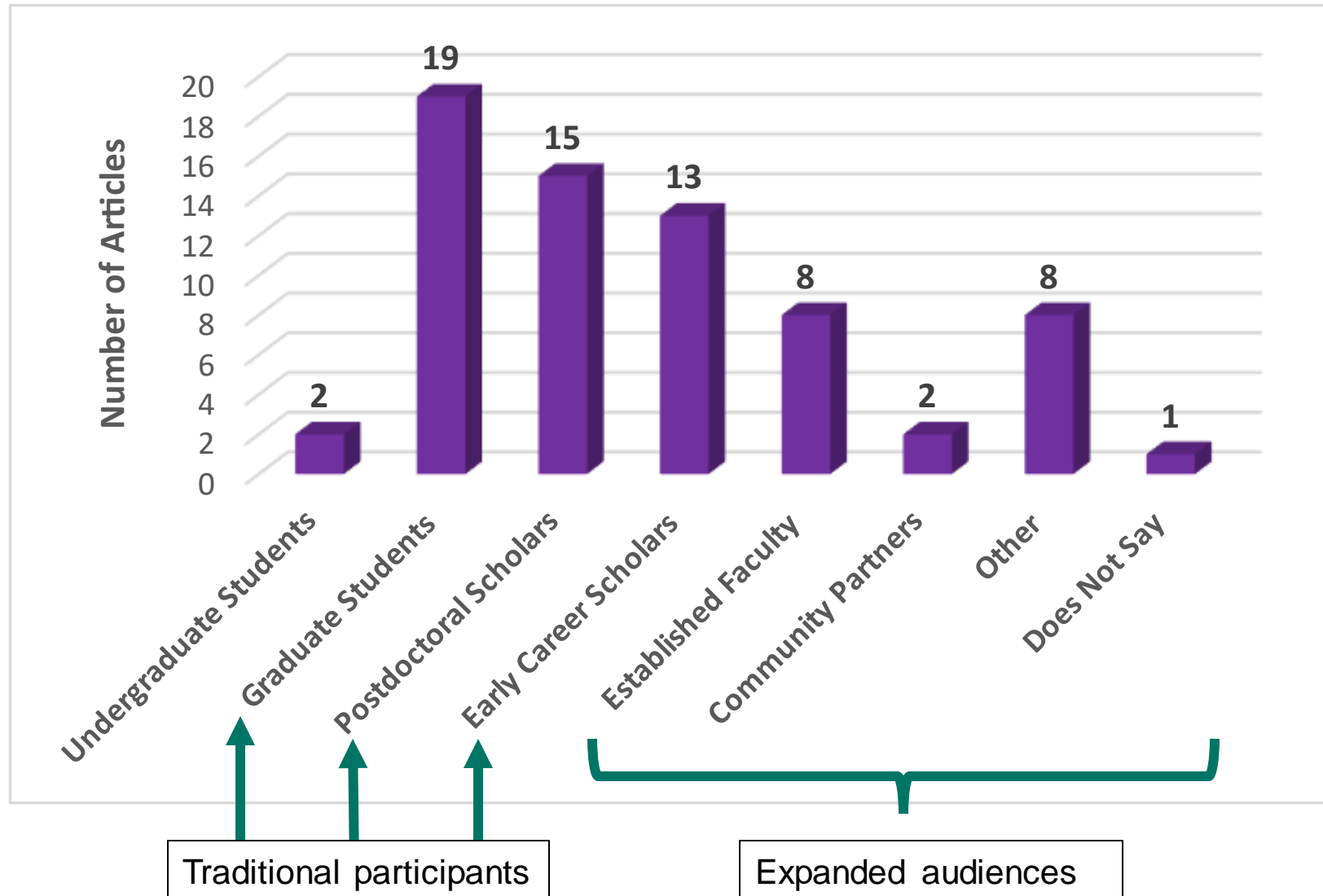
Advance diversity, equity, inclusion and accessibility in research

Detailed descriptions: <https://ncats.nih.gov/training-education/translational-science-principles>

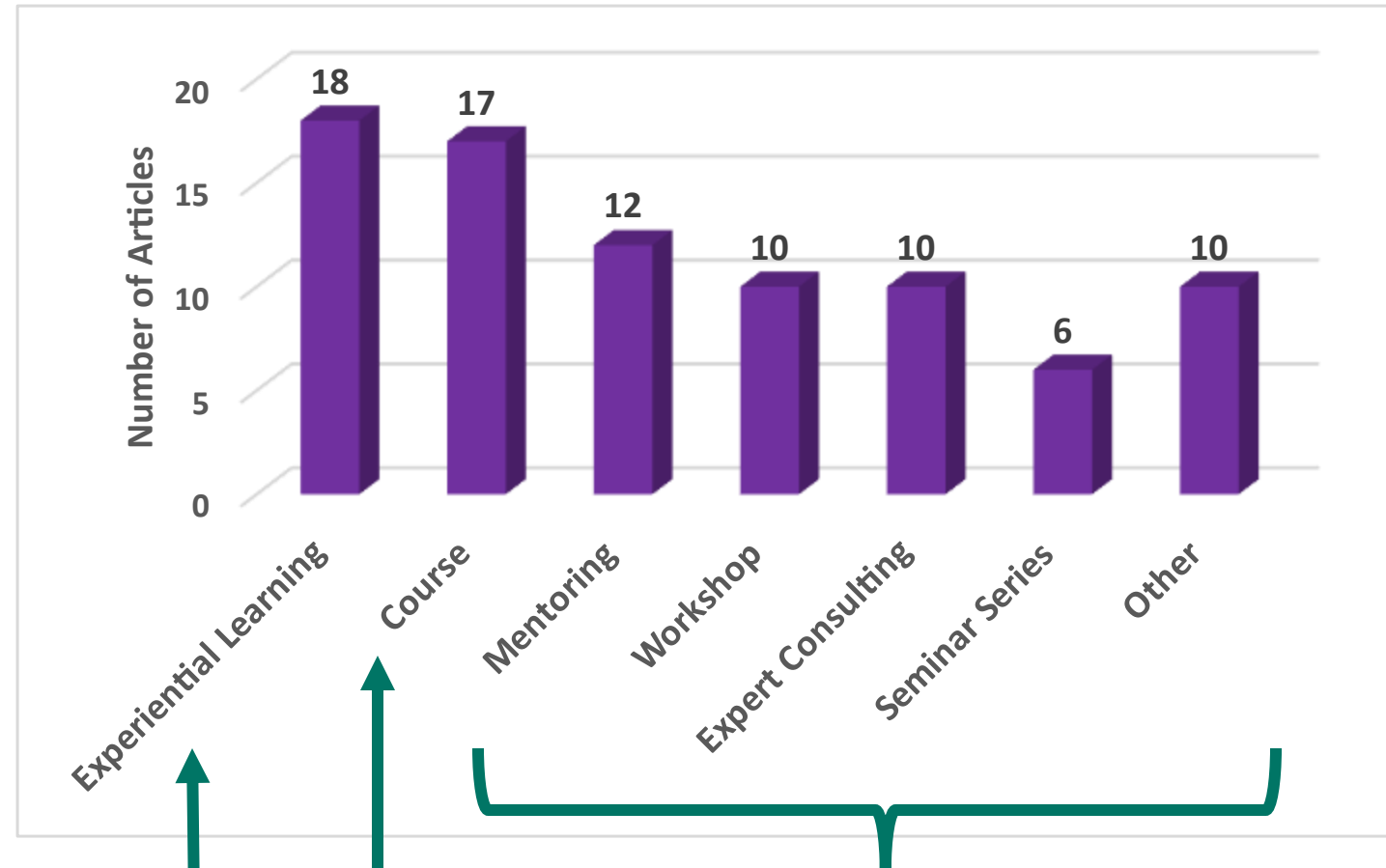
Representation of TS Principles in all 44 Articles



Participants, Described E&T Opportunities



Teaching Modalities, Described E&T Opportunities



Core approaches for developing the translational workforce, supported by T and K awards

Opportunities to expand access to more diverse participants, across training stages, and roles in the translational ecosystem



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Key Take-aways

- **A Resource to Support Enhancement of TS Education and Training:**
 - Points to current strengths in TS education and training, as well as opportunities for future growth – content areas, participants, teaching modalities to enhance access
 - Provides references/models for education and training opportunities that reflect core areas of strength, and less-represented content areas, participants, and teaching modalities that align with NCATS' focus and goals
- Highlights the **leadership role of the CTSA community** in advancing education and training that aligns with NCATS' focus on advancing translational progress
- Limitations: There is **limited literature** in this area – not a 1:1 correlation with education and training opportunities; there is a need for more dissemination, and varied dissemination approaches




To Learn More...

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First published: 02 August 2023 | <https://doi.org/10.1111/cts.13570>

Fall 2023 CTSA Meeting

Tuesday November 7, 2023

Session 4, Panel: Training in the Science of Translation

<https://ascpt.onlinelibrary.wiley.com/doi/full/10.1111/cts.13570>

CTSA News

September 27, 2023



**Literature Review
Shines a Light on
CTSA Leadership in
Translational
Science Education
and Training**

vogelal@mail.nih.gov

<https://ccos-cc.ctsa.io/news/Literature-Review-Shines-a-Light>



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Dr. Amanda Vogel

Please put your questions in the Q and A box

Or reach out at: vogelal@mail.nih.gov



Integration Across the Lifespan Executive Committee

- Mark A. Supiano, MD, AGSF
- D. Keith Barnes, M.D. and Dottie Barnes Presidential Endowed Chair in Medicine
- Professor and Chief, Division of Geriatrics, University of Utah School of Medicine
- Executive Director, University of Utah Center on Aging
- Karen M. Wilson, MD, MPH
- Ruth A. Lawrence Professor of Pediatrics
- Co-Director, URMIC Clinical and Translational Science Institute
- Vice-Chair for Clinical and Translational Research, Department of Pediatrics
- Chief Research Officer, UR Medicine Golisano Children's Hospital

CTSA Steering Program Webinar

October 25, 2023

Presentation Goals and expected outcomes

- Disseminate prior working groups' products
- Request participation in current and planned working group activities
- Generate nominations for members from across the life course/lifespan to

Lead Team members

Voting Members

- **Mark Supiano**, University of Utah (Co-Lead)
- **Karen Wilson**, University of Rochester (Co-Lead)
- **Daniel Armstrong**, University of Miami School of Medicine
- **Teri Hernandez**, University of Colorado
- **Jareen Meinen-Derr**, Cincinnati Children's Hospital
- **Susan Stark**, Washington University
- **Alan Tita**, University of Alabama at Birmingham

Non-Voting Members

- **Rashmi Gopal-Srivastava**, NIH/NCATS Representative
- **Megan Stewart**, CCOS Coordinator
- **Daniel Hanley**, TIN Representative



Integration Across the Lifespan Enterprise Committee Goals

The Integration Across the Lifespan Enterprise Committee ensures translational science is integrated across its multiple phases and disciplines within complex populations' lifespan.

Its goals are to:

- integrate translational science across all stages of life, with the ultimate goal of improving the health of all individuals
- launch initiatives to investigate disparities in disease progression and treatment among special and complex populations
- develop an integrated and cohesive approach to translational science that spans across all phases of research

lal working group deliverables

- <https://ccos-cc.ctsa.io/groups/enterprise-committees/integrations-across-the-lifespan>

Sunsetted Groups

Inclusion of Older Adults as a Model for Special Populations

Life Course Visual Toolkit Development

Current Activities

- Monthly meeting presentations
- “Engaging Individuals with Disabilities in the Research Process” approved as a Working Group
- Social Determinants of Health Subcommittee
- Expansion of membership
 - Goal to have representatives from all sites
 - Goal to have representatives from all life stages



Full Membership Meetings – Overview

Date	Presenter	Presentation Title
October 25, 2022	Nichole Nidey	The EMPOWER Project
November 22, 2022		New Year Survey
January 24, 2023	Nina Brodsky	CD8 T-cell function across the lifespan from neonate to adult
February 28, 2023	Jonathan Tobin	Implementing Evidence-based Interventions with Older Adult Centers to Reduce Blood Pressure and Cardiovascular Risk
March 28, 2023	Heidi Hanson	Computational Approaches to improving processes and applications in life course research
June 27, 2023	Barrett Bowling	5Ts Framework: An 'Age-friendly' Approach to Inclusion of Older Adults in Research
July 25, 2023	Joni Rutter	Co-Designing A Plan for the Decade Ahead
September 26, 2023	Amanda Dettmer	Integration/Harmonization of Lifespan Datasets Across CTSAs

Upcoming Meeting Presentations

Date	Presenter	Presentation Title
10/24/23	Jessica Woo	Cardiovascular Risk factors and The Lifespan
11/28/23	David Haas	Maternal Heart Health Study
	CHAP Team	Chronic Hypertension and Pregnancy Studies
12/26/23		Cancelled/Holiday
01/24/24	Edith Williams	Health Equity
02/28/24	Neal Halfon	Advancing Research, Policy, and Innovations within Pediatrics

Research Process Working Group

Led by Dr. Daniel Armstrong, University of Miami School of Medicine

Goals

- Provide the research community with knowledge, resources, and tools that will facilitate engagement of individuals with lived experience in the conduct of research
- Provide the research community with a process that enhances the quality of scientific outcomes and meaningfulness of the research to the community that is the focus of the research.

Deliverables

- A toolkit of resources that provide practical and meaningful strategies to include and fully engage individuals in the research process. This toolkit will include guidelines, information materials, recorded webinars, and successful examples of engagement
- Publication of at least one publication that addresses the process and context of research participation by individuals with lived experience, including lessons learned about challenges and benefits, and a recommended curriculum for investigators

SDOH Working Group Application Planning

- Social determinants of health (SDOH) are the conditions in the places where people live, learn, work, and play that affect a wide range of health and quality-of-life outcomes. They:
- Must be understood across the life course but pose measurement challenges.
- Must be addressed in all phases of research to ensure interventions and applications are both effective and equitable.
- Require interdisciplinary collaboration and a collective vision.

Potential project: SDOH Research Toolkit

- Draft Objective: Create a comprehensive toolkit for researchers at all translational stages to seamlessly integrate SDOH into their work across the lifespan.

SDOH Working Group

Draft Deliverables:

- A digital compendium of validated and harmonized measures to assess SDOH across the lifespan ensuring consistent and comparable data collection.
- Guidelines on how to incorporate SDOH in study designs.
- Case studies demonstrating the integration of SDOH in diverse research contexts.
- Online training modules to familiarize researchers with the toolkit and the importance of SDOH.
- An open-access database compiling datasets with these measures, fostering collaboration.
- User-friendly data visualization tools allowing researchers to quickly analyze and interpret SDOH trends across the lifespan

Team:

Susy Stark, PhD, Elizabeth Eckstrom, MD, Jareen Meeinzen-Derr, PhD and Alan Tita, MD, PhD

Membership

EC Membership Stats

- Need to encompass the entire lifespan/lifecourse
- 57/65 Hubs represented

We still need representation from:

- Harvard Medical School
- Mayo Clinic Rochester
- State University of New York at Buffalo
- University of California, Irvine
- University of Michigan at Ann Arbor
- University of North Carolina Chapel Hill
- University of Virginia
- University of Wisconsin, Madison

Action items

- Support Social Determinants of Health Subcommittee Working Group proposal submission
- Subcommittee to explore a creating a working group proposal on pediatric clinical trials
- Explore partnerships/programs with other ECs:
 - Workforce
 - Informatics (Harmonizing longitudinal datasets across the lifespan)
 - DEIA
 - Community Engagement
- Expanding EC membership and participation
- Contact: integrationacrosslifespan@ccos.ctsa.io

Dr. Supiano and Dr. Wilson

Please put your questions in the Q and A box

Or reach out at: integrationacrosslifespan@ccos.ctsa.io



Goal: Provide brief update on the activities of the Collaboration & Engagement Enterprise Committee

Expected Outcomes:

- **Knowledge dissemination of CE EC activities**
- **Promote impactful partnerships and collaborations**
- **Increase participation in CE EC activities**

Goals

- Leveraging available body of information to improve health of underserved communities, address Health Disparities, and promote Health Equity
- Working together with stakeholders and their communities through active engagement and promotion of team science to foster collaboration
- Engaging stakeholders and stakeholder communities so they contribute meaningfully across the CTS spectrum.
- Promoting team science that embraces or reflects the perspectives of community members as equal contributing partners in all clinical, translational, and related scientific endeavors as a major academic model
- Enhancing & promoting Dissemination & Implementation methods & efforts

CE EC Lead Team

Voting Members

Arleen Brown, University of California Los Angeles (Co-Lead)
Olveen Carrasquillo, University of Miami School of Medicine (Co-Lead)
Linda Ko, University of Washington
Doriane Miller, University of Chicago
Sarah Wiehe, Indiana University

Non-Voting Members

Joan Nagel, NIH/NCATS
Representative
Megan Stewart, CCOS Coordinator
Consuelo Wilkins, TIN Liaison

Lead Team Activities

- Lead team meetings every two weeks
- Full meetings every two months
- Focus of Lead Team Activities:
 - Advancing community engaged scholarship
 - Engaging stakeholders
 - Listen to what matters to the full membership
 - Plan for annual CTSA CE EC Program Meetings

Full Membership Meetings – Overview

Date	Presenter	Presentation Title
October 3, 2022	V. McBride Murry, PhD	Community Scholars Program
	J. Lloyd Michener, M	Seven Lessons about Successful Community Engaged Scholarship
December 5, 2022		
February 6, 2023	Karriem Watson	Chief Engagement Officer / All of Us Research Program
April 3, 2023	J. Rutter, M. Kurilla	Co-Designing a Plan for the Decade Ahead
June 5, 2023	O. Carrasquillo, A. Brown	Debrief In-Person Spring Meeting
	O. Carrasquillo, A. Brown	White Paper Discussion
August 7, 2023	Lori Carter-Edwards	DEIA Survey Results & CE Overlap Discussion
	M. Kurilla	DEIA/NCATS Perspective
	Asia Williams	NAM Update: Assessing Meaningful Community Engagement
October 2, 2023	“Mikey” Eder	CTSA/ AOU Program Update- Researcher Engagement
	Joan Nagel	ComPASS program

2023 Spring CTSA Group Meeting – Overview

Time	Topic	Presenters(s)
9:00-9:05 am	Welcome	Olveen Carrasquillo/ Arleen Brown
9:05-9:10 am	NCATS Introduction	Joan Nagel
9:10-9:50 am	Session A: Cross-CTSI Community Engag. Partnerships	Moderator: Sarah Wiehe
	Panel 1: Chicago Consortium for Community Engagement: Hyperlocal Approaches to Partnership	Doriane C. Miller, MD, and Michelle McCullough
	Panel 2: A Statewide CTSA Community Engagement Collaboration to Address COVID-19 Inequities	Wei-Ting Chen, PhD, Paul Watson, Arleen Brown, MD, PhD, UCLA
9:50-10:10 am	Small Group Discussions: Share Ideas on Cross-CTSI Community Engagement Partnerships	Everyone
10:10-10:25 am	Report Out	Moderator: Sarah Wiehe

...continued

Time	Topic	Presenters(s)
10:25-10:40 am	Break	
10:40-11:20 am	Session B: Community Engagement to Promote Health Equity and Anti-Racism in CTSA Hubs	Moderator: Linda Ko
	Panel 3: Commitment to Change Forms a CommUNITY	Tiffany Pineda
	Panel 4: Strategies & Principles to Center Anti-Racism in Community Engagement	Wendy Barrington, PhD Candace Jackson
11:20-11:40 pm	Small group discussions: Share Ideas Based on Presenters' Strategies and Tips of Practices in Anti-Racism and Health Equity in Translational Science	Everyone
11:40-11:55 am	Report Out	Moderator: Linda Ko
11:55-12:00 pm	Wrap up	



COMMUNICATION



❖ Principles of Community Engagement: Almost done



**PRINCIPLES OF
COMMUNITY ENGAGEMENT**
3RD EDITION, FINAL DRAFT - 1

1 Chapter 1: Community Engagement: Definitions and Organizing Concepts
Authors: Linda B. Cottler, Donna Jo McCloskey, Mary Anne McDonald, Irvin Pedro Cohen, Christopher Holliday, Christine Prue, Sergio Aguilar-Gaxiola, Milton (Mickey) Eder (NIH and CDC)

NEW DEFINITION OF ENGAGEMENT:
Community engagement is an ongoing, evolving process of multidirectional communication with and for people to solve the problems and address the concerns that matter to them. The process should be durable, long-lasting, and equitable to all who participate. The ultimate goal is to influence social action, programs, and practices for the betterment of the community.

2 Chapter 2: Principles of Community Engagement
Donna Jo McCloskey, Elizabeth Cohn, Gustavo Loera, Michael T. Hatcher, Sergio Aguilar-Gaxiola

1. Be clear about the purposes or goals of the engagement effort and the populations and/or communities you want to engage.
2. Become knowledgeable about the community's culture, economic conditions, social networks, political and power structures, norms and values, demographic trends, history, and experiences with efforts by outside groups. Be aware of each other's perceptions of past engagement activities.
3. Build and maintain relationships and trust by working with individuals and/or community leaders.
4. Remember and accept that collective self-determination is the responsibility and right of all people in a community. No external entity should assume it can bestow on a community the power to act in its own self-interest.
5. Establish a partnership with the community to create change and improve health.
6. Recognize and respect the diversity within the community.
7. Identify and mobilize community assets and strengths through developing the community's capacity and resources to make decisions and take action.
8. Recognize that individuals and institutions must be prepared to release control and be sufficiently flexible to meet changing needs.

NEW Model from the National Academies of Medicine that center the voice of the community.

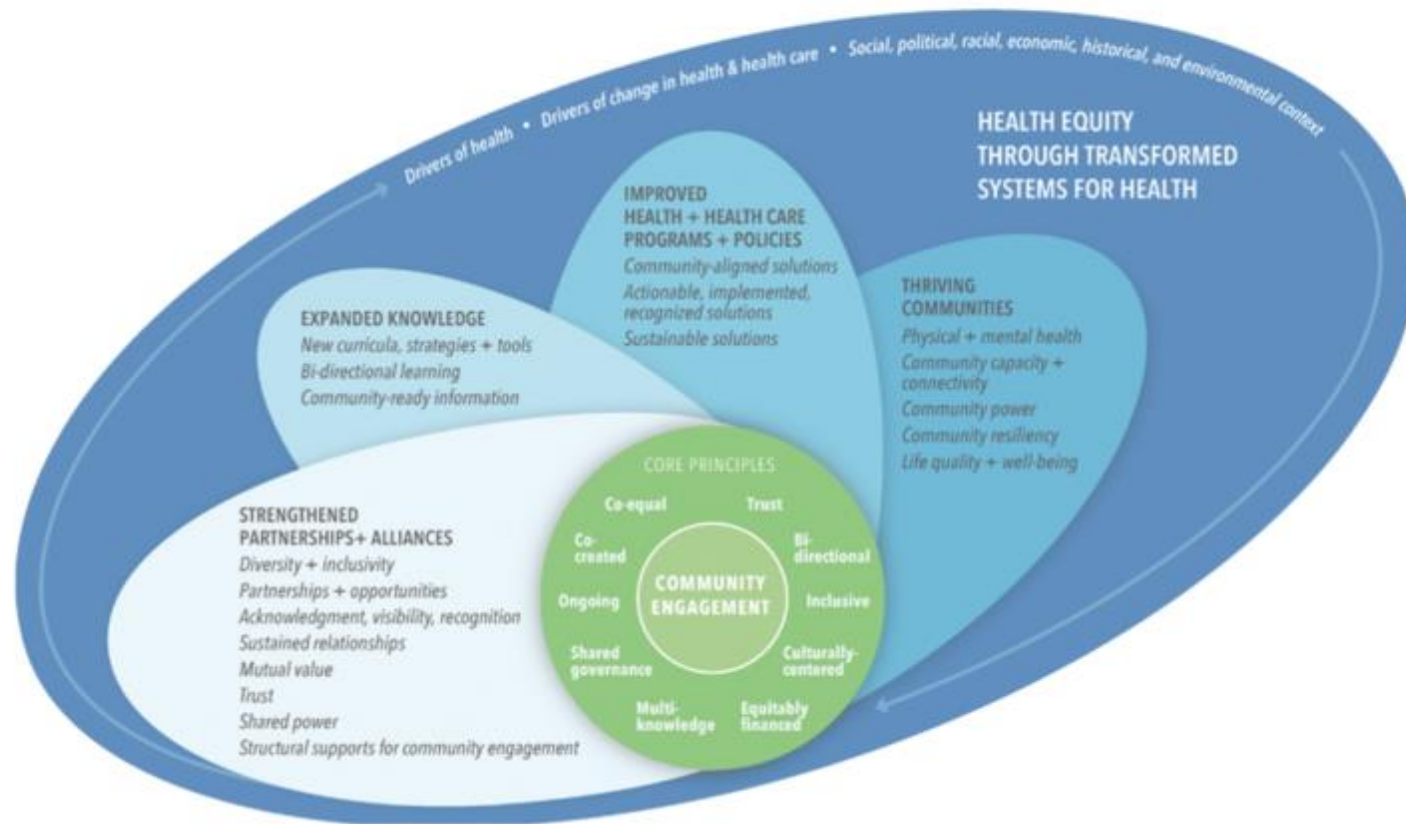
CE Definitions:

- **Old Definition:** *The process of working collaboratively with and through groups of people affiliated by geographic proximity... or similar situations to address issues affecting the well-being of those people. It is a powerful vehicle for bringing about environmental and behavioral changes that will improve the health of the community and its members. It often involves partnerships and coalitions that help mobilize resources and influence systems, change relationships among partners, and serve as catalysts for changing policies, programs, and practices.”*
- **New Definition:** *Community engagement is an ongoing, evolving process of multidirectional communication with and for people to solve the problems and address the concerns that matter to them. The process should be durable, long-lasting, and equitable to all who participate. The ultimate goal is to influence social action, programs, and practices for the betterment of the community.*

Assessing Meaningful Community Engagement: A Conceptual Model to Advance Health Equity through Transformed Systems for Health

By Organizing Committee for Assessing Meaningful Community Engagement in Health & Health Care Programs & Policies

February 14, 2022 | Commentary



Assessment instruments

Development process at-a-glance: literature search parameters

5 databases

1. Embase,
2. Medline
3. PsycINFO
4. PubMed
5. Scopus

Thru
2020

21 engagement terms including:

- citizen engagement
- collaboration
- community action
- community engagement
- community involvement
- community organizing
- consumer participation
- stakeholder

17 measurement terms including:

- assessment tools
- evaluation mechanisms
- indicators
- measures
- measurement tools
- metrics
- performance
- questionnaires
- surveys

14 health terms including:

- community benefit
- community health
- health
- health plan
- health policy
- health promotion
- health service
- hospital service
- population health
- public health

*Publication years included start at database inception
through February 2020*



NATIONAL ACADEMY OF MEDICINE



NAM Leadership
Consortium
Collaboration for a Learning Health System

Strategic Planning:

- Cross CTSA CE Collaborations
 - Community Engagement Alliance (CEAL) against Disparities
 - Multiple Chronic Disease (MCD) Centers
 - CTSA/ AllofUS CE partnerships
 - Community Partnerships to Advance Science for Society (ComPASS) program
 - CTSA Hubs survey
 - ComPASS Administrative Supplement partnership with NCATS by Meharry-Vanderbilt to help support community engaged research
 - ? What else/ what is our added Value
- Partnerships with DEIA EC
 - Anti-racism white paper

Future Activities for next year

- Response to Request for Information (RFI):
 - Inviting Input on NCATS' Strategic Plan for 2024-2029
- Continue to advance scholarship and also CE D&I
- Organizing around ComPASS program
- Additional CE partnerships
 - Closer ties to PACER group
- Further developing institutional capacity to respond to CE grants and programs

How to get involved:

- Talk to your local CTSA Hub CE EC Representative
- Join list-serve, participate in CE calls
- Consider being nominated for Leads team
- Help planning the spring meeting CE session

Contacts:

ocarrasquillo@med.miami.edu

CCOS: Megan Stewart Megan.Stewart@icf.com

Dr. Carrasquillo and Dr. Brown

Please put your questions in the Q and A box

Or reach out at: ocarrasquillo@med.miami.edu



Update - Workforce Development Enterprise Committee

Lisa Cicutto RN, ACNP, PhD
David H Ingbar MD

October 25, 2023



CLINICAL AND TRANSLATIONAL
SCIENCE INSTITUTE

UNIVERSITY OF MINNESOTA

Driven to Discover®

Introduction

Lisa Cicutto

Professor, Nursing and Medicine, University of Colorado
Director, Community Outreach and Research
Director, CCTSI Workforce Development & TL1 Program
Director, Clinical Science Graduate Program



David H. Ingbar

Professor, Medicine, Pediatrics and Integrative Biology & Physiology
Assistant Dean for Faculty Development & Mentoring
CTSI Associate Director; Co-Director, CTSI Education & Career Development Core
Executive Director, Center for Lung Science and Health

Workforce Development Lead Team

- Cindy Mark (CCOS Coordinator)
- Vicki Ellingrod PharmD, FCCP, FACNP
 - Dean, University of Michigan College of Pharmacy
- Janice Gabrilove, MD
 - Professor, Icahn School of Medicine at Mt Sinai
- Maija Williams MPH
 - Chief Operating Officer, Rockefeller University Hospital
- Dixie Thompson BSN, RN (TIN Liaison)
 - University of Utah
- Terri Edwards RN, RAC, CCRP (TIN Liaison)
 - Vanderbilt University
- Jennie L Conroy, PhD (NCATS Liaison)
 - Program Director, Division of Clinical Innovation, CTSA Branch, NCATS

WFD EC Alignment with CTSA



Focus Areas:

- Promote training and career development;
 - Foster impactful partnerships and collaboration;
 - Nurture development of translational scientists and field of translational science
-
- Goals of WFD EC as viewed by its members:
 - Provide a venue for learning what works and doesn't work and about innovations across hubs
 - Share new ideas and creative problem-solving regarding career development, education and training
 - Span the breadth of the workforce from trainees to clinical research professionals to translational scientists - include learners of all levels

Workforce Development Activities 2022-23



NCATS Translational Science Training Resources (NCATS Education / A Vogel)

Increasing CTSI Local Impact -

- Research ambassador programs (UTSW program & Communicators group)

Improving Workforce Function & Retention –

- Well-being Integration Working Group (ongoing)
- Impact of COVID on training – 2nd follow-up survey results (7/23)
- Career ladders for TS research staff (5/23) (OSU; Duke; UAB; UKentucky; UMichigan)
- Certificates & Badge program discussion (9/23)

Roundtable meeting with Joni Rutter, PhD re CTSA & NCATS Goals (3/2023)

Workforce Development Planned for 2024

- Advancing Real World Data Education within CTSA Program (M Haendel) - (consortium-wide event)
- COHA = CTSA One Health Alliance (T Webb & L Trepanier)
- Fostering training in dissemination & implementation science
- Linkages to community & technical colleges

Thank You!

For more information or to get involved, contact:

Lisa Cicutto, PhD, RN or David Ingbar, MD

lisa.cicutto@cuanschutz.edu

ingba001@umn.edu

Dr. Ingbar and Dr. Cicutto

Please put your questions in the Q and A box

Or reach out at:

lisa.cicutto@cuanschutz.edu

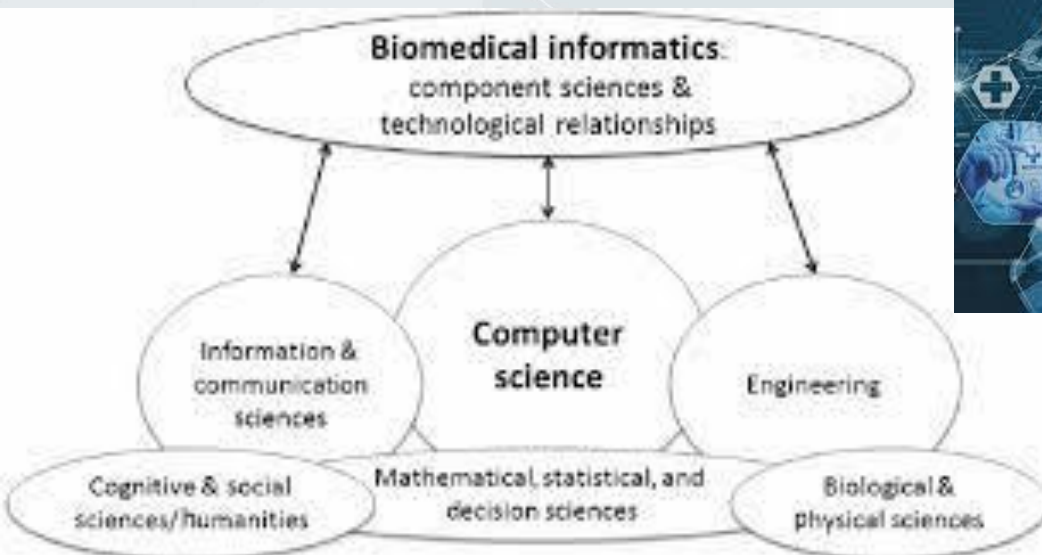
ingba001@umn.edu





iEC Lead Team Report to NCATS CTSA Webinar

October 25, 2023



NCATS CTSA Informatics Enterprise Committee

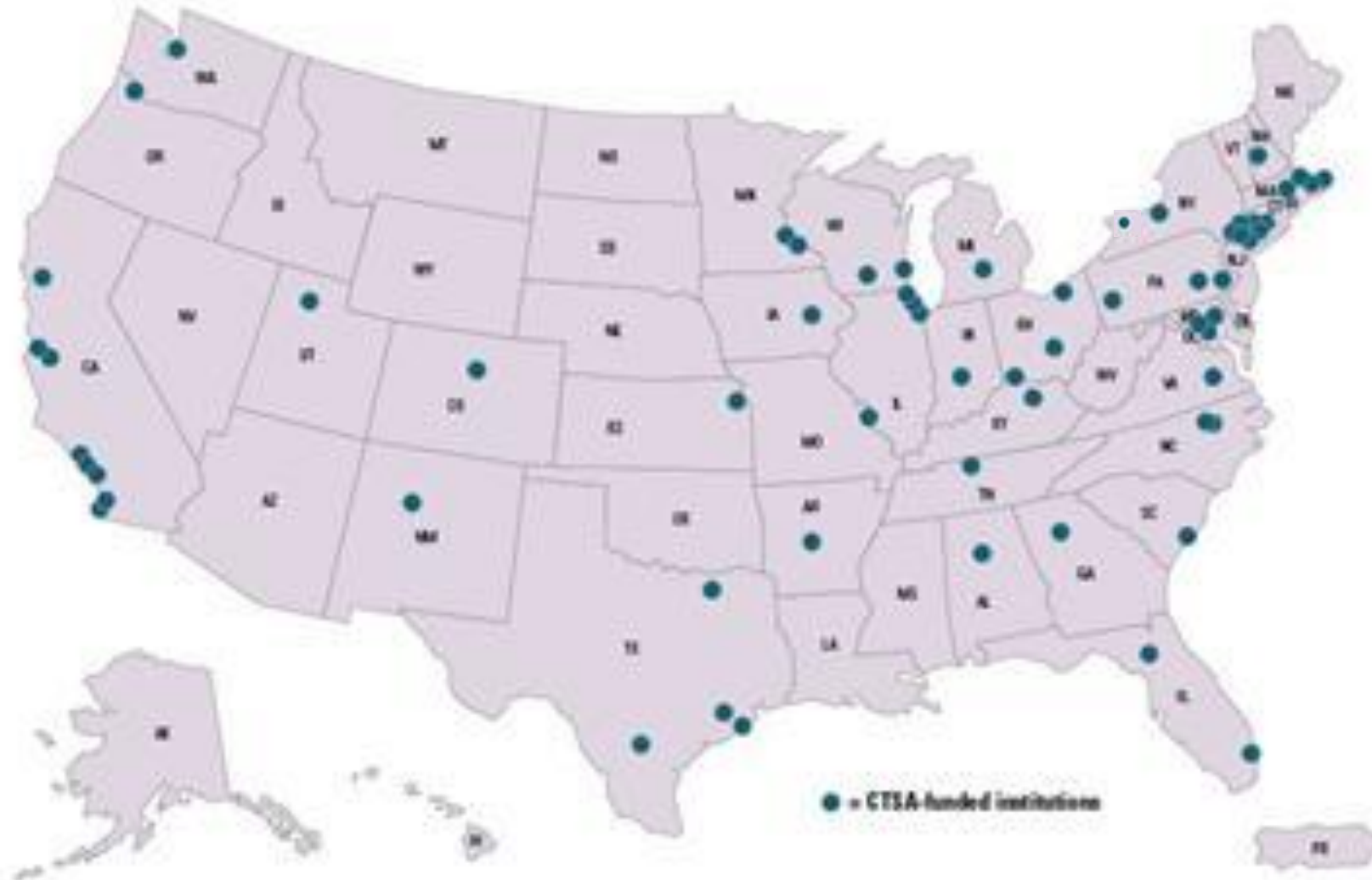
- Co-chairs:
- Peter L. Elkin, MD
 - University at Buffalo
- Jomol Mathew, PhD
 - University of Wisconsin
- Rest of the Lead Team
 - Voting: Thomas Campion, PhD (Cornell), Hongfang Liu, PhD (Mayo soon to be UT), Emily Pfaff, MD (Univ of North Carolina)
 - Non-Voting: Ken Gersing, MD (NCATS), Christopher Hartshorn, PhD (NCATS), Thomas Radman, PhD (NCATS), Paul Harris, PhD (Vanderbilt), Chris Chute, MD, Dr.PH (Hopkins), Melissa Haendel, PhD (Univ of Colorado), Leonie Misquitta, PhD (NCATS) and Jeanne Holden-Wiltse (CLIC)



CTSA Clinical & Translational Science Awards

Informatics Enterprise Committee

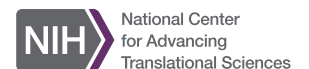
- Coordination
- Interoperable Data Sharing
- Enhancing Translational Research Capability



CTSA Program Goals:

- Train and cultivate the translational science workforce.
- Engage patients and communities in every phase of the translational process.
- Promote the integration of special and underserved populations in translational research across the human lifespan.
- Innovate processes to increase the quality and efficiency of translational research, particularly of multisite trials.
- Advance the use of cutting-edge informatics.

All of these Goals are enhanced by sets
of strong Informatics capabilities.



iEC Goals

- Advise the Steering Committee regarding Informatics Priorities
 - We are requesting to report to the Steering Committee Quarterly
- Set Interoperability Standards for Data Sharing Across Hubs
 - Review standards and help make choices that benefit translational research using nationally approved and emerging standards
- Provide services and consultation to help hubs achieve the Informatics Goals
 - Provide consultative services
 - Facilitate Software hosting with NCATS of utilities and scripts that assist hubs achieve their goals
- Highlight the Informatics achievements of all CTSA hubs
 - Shareware Talk program (Thank you for those who have signed up and if not please do sign up to give a talk)
<https://docs.google.com/spreadsheets/d/1tkZ3NBidpRxuJAJ3BXt5LbmhldUQPjDLLHcymU6zESo/edit#gid=0>
- Advise NCATS on Informatics Research Priorities
 - Provide Practical Guidance to help solve important translational science informatics problems.
- Ensure that all Hubs have a voice in the iEC
 - Shareware talks
 - Open discussions

**The most important message is that everyone has a voice
and a part to play in this plan.**



New Accomplishments since our last Report

- Held a very successful Face2Face meeting – Informatics Leaders and some PIs attended the meeting in DC.
 - Discussed the Informatics Research Agenda
 - Goals toward Interoperability
 - Translating Informatics innovations into Practice
 - Improved recruitment to clinical trials using eConsenting and Real World Evidence
 - Discussed and provided examples for the new Data Management Sharing guidelines and provided examples
- New F2F meeting is being expanded to be a whole day meeting from ½ day in 2024
- Leadership representation at AMIA and ACTS to develop synergy across the informatics forums
 - Peter Elkin (AMIA)
 - Peter Elkin and Jomol Mathew (ACTS)
 - Developed a shared data science advocacy document with the BERD SIG in ACTS.
 - Presentations at ACTS 2023 and AMIA Informatics Summits to inform both communities of the richness available in the other community and encourage synergy. This was so successful it is being repeated this year and at AMIA we have three talks one on Translational bioinformatics, one on Clinical Research Informatics and the other on Data Science and Artificial Intelligence.
- There is a call out for new Mission Statement for the NIH. The old one does not really serve the Translational Science and Translational Research Missions. Nor does it serve the Informatics mission.
 - Suggestions: To bring safe and effective treatments to patients faster by translating scientific discovery into better patient outcomes using a systematic approach that combines Informatics, data science, Implementation and team science with new approaches to clinical trials.



Emerging Important Research Areas in Biomedical Informatics

- Use of AI in Streamlining Research (Implementations, Innovation, Ethical Social and Legal issues, Use of LLMs in research, etc.)
- Use of AI for targeted recruitment of underrepresented in research subjects by focusing on people more amenable to participation
- Geographically diverse recruitment
- Focusing recruitment on individuals most likely to be retained in the study.
- Utilizing Clinical Notes via NLP to augment our clinical data warehouses.



Data Sharing for Translational Research

- Assumes comparable interoperable data is exchanged or utilized in the same way in a distributed or centralized architecture
- Requires common data model(s) be utilized
- Requires data governance
- Requires data provenance
- Requires indexing with standardized ontologies
- Data aggregation starts with a strong study design
- Requires common methods for data access, ETL and indexing of the data
- Requires common methods for assessing data quality, data cleaning and data access including sharable phenotypes and SDOH.
- Worked with NCATS and NIH OD to create example Data Sharing and Management Plans for hubs to use.



Shareware Talks

- An effective way to:
 - educate and disseminate knowledge about successful tools and methods used at our hubs.
 - start the discussions around best practices in Translational Informatics
 - Propagate/popularize the right tools for the right problems
 - make it easy to share and to implement work from across the consortium
 - decrease unnecessary duplication in effort
 - serve everyone's Informatics needs in the CTSA consortium
- These have become extremely popular across the iEC



Shareware Talks (Software and Methods)

- 9/2/22 – UNC – Emily Pfaff presented the quality reports and metrics for data warehousing for the consortium
- 9/2/22 – University of Kentucky – Cody Bumgardner presented Cresco: An agent-based edge computing platform/tool and its use in clinical and research operations
- 10/7/22 - Adam Wilcox and Randi Foraker, Washington University in St. Louis presented on Synthetic Data Generation and Use
- 10/7/22 – Michele Morris from Univ of Pittsburgh presented on Sharephe, sharable phenotypes in OMOP



Shareware Talks

- 11/4/22 Richard Moffitt and Kate Bradwell from Emory presented on Harmonization of Units in lab and clinical data
- 11/4/22 Chunlei Wu and Shawn O'Neil from Univ of Colorado presented on the CD2H Informatics Playbook
- 12/2/22 Johanna Loomba Univ of Virginia presented on the CD2H-N3C Logic Liaison Service
- 12/2/22 Mark Fletcher from UCSF presented **Eureka a platform for enabling distributed national recruitment to clinical trials with remote RWE data gathering using SMART on FHIR**



Shareware Talks

- **1/6/23** Chunlei Wu, PhD – Scripts Research Dave Eichmann, PhD Univ of Iowa CD2H: Resource Discovery Portal
- 1/6/ 23 Nic Dobbins – University of Washington Leaf
- 2/3/23 Ramkiran Gouripeddi – Univ of Utah Exposure Health Informatics Ecosystem
- 3/3/23 Peter Elkin – University at Buffalo Report from the NCATS Quality Committee
- 4/7/23 Peter Elkin – UB and Jomol Mathew Hosted a discussion with Drs Rutter and Kurilla



Shareware Talks

- 5/5/23 Johanna Loomba – University of Virginia and Harold Lehmann Johns Hopkins – CD2H Knowledge Artifacts
- 5/5/23 Justin Starren – Northwestern University The proposed CTMS Maturity Model
- 6/2/23 Jeff Klann and Grifen Weber – Harvard University What's new with i2b2 – Cohort discovery and data analysis of i2b2 on OMOP using the redesigned i2b2 platform
- 6/2/23 Peter Elkin – UB understanding institutional approaches to regulating the use of LLMs



Shareware Talks

- 7/7/23 Alex Cheng – Vanderbilt University Multisite Research Participation Perception Survey Infrastructure
- 8/4/23 Karthik Natarajan, Columbia University Interoperability for Precision Health
- 8/4/23 Samuel Armstrong, University of Kentucky Smartstate: A protocol driven human interface



CTSA iEC /UB Free Summer Informatics & Data Science Bootcamp – iLAB

**411 Attendees
46 Hubs attended**

Date	Time (ET)	Topic	Lecturer	Notebook to be utilized
Jul-11	3 - 4:30	Introduction to Python Programming	Skyler Resendez	Python
Jul-12	3 - 4:30	Human Factors Engineering	Ross Koppel	Assigned readings
Jul-13	3 - 4:30	Elements of logic for ontology	Werner Ceusters	
Jul-14	3 - 4:30	Medical Terminology & Standards	Peter Elkin	
Jul-15	3 - 4:30	R-Studio Basics and Regression Analysis	Skyler Resendez	R-Studio and Statistics
Jul-18	11 - 12:30	Public Health Informatics	Diane Schwartz	Public Health Informatics
Jul-19	3 - 4:30	Computer Science for Informatics	Jim Hitt	
Jul-20	3 - 4:30	Realism-based biomedical ontology	Werner Ceusters	
Jul-21	3 - 4:30	Biomedical Ontology - SPARQL Queries	Alex Diehl	SPARQL Queries
Jul-22	1:30 - 3:00	Structural bioinformatics in drug discovery	Ram Samudrala	
Jul-25	11 - 12:30	Consumer Health Informatics	Diane Schwartz	Assigned readings
Jul-25	3 - 4:30	Machine Learning - Logistic Regression and Neural Networks	Zack Falls	logreg+nn
Jul-26	3 - 4:30	Cybersecurity & Qualitative Research Methods	Ross Koppel	Assigned readings
Jul-27	3 - 4:30	Recitation on Ontology	Werner Ceusters	
Jul-28	3 - 4:30	Translational bioinformatics - CANDO	Will Mangione	CANDO Tutorial
Jul-29	3 - 4:30	Machine Learning - Decision Trees and Random Forest	Zack Falls	decision_tree+rf
Aug-15	3 - 4:30	Structured Query Language (SQL)	Peter Elkin	
Aug-17	3 - 4:30	Modeling and HL7 (including FHIR)	Peter Elkin	
Aug-18	3 - 4:30	Natural Language Processing (NLP)	Frank LeHouillier	NLP
Aug-23	3 - 4:30	Image Analytics	John Tomaszewski	
Aug-25	3 - 4:30	Clinical Decision Support (CDS)	Peter Elkin	

Overall Conclusions

- The shareware talks are helping disseminate solutions to the consortium
- Let's work together to improve our ability to utilize and share our data and tools toward improved translational research and translational science outcomes
- As a community we are much stronger than we are individually. Through common goals, work programs and sharing credit we can and will significantly strengthen the Informatics capabilities of the CTSA consortium in support of our translational research goals.
- Topics of Interest: New trial designs using RWE, LLM and AI (and the ethical use of AI), SDOH as a driver of recruitment to clinical trials, Genomic Data integration, Image Data integration and analytics



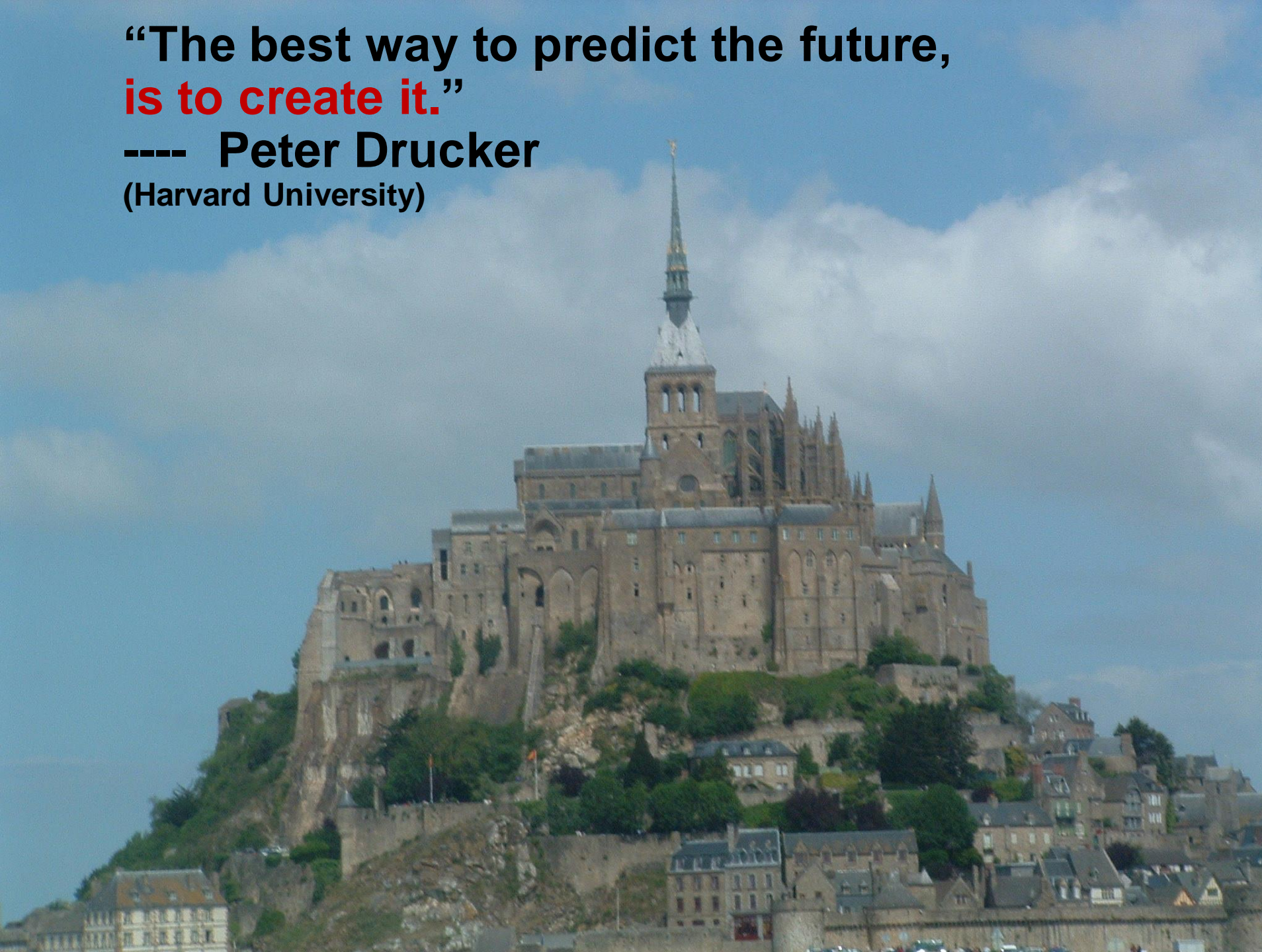
“The secret of change is to focus all of your energy not on fighting the old, but on building the new”

-Socrates



**“The best way to predict the future,
is to create it.”**

---- Peter Drucker
(Harvard University)



Dr. Elkin and Dr. Mathew

Please put your questions in the Q and A box

Or reach out at: elkinp@buffalo.edu



ccOS Updates

Learning Health Systems Collaborative Workshop

Co-sponsored by:

The Coordination, Communication, and Operations Support (CCOS) Center
Wake Forest CTSI and Wake Forest University School of Medicine

Save the Date

Wednesday, May 22, 2024
8:00 am – 4:30 pm ET
In-Person Meeting

Sanger Heart & Vascular Institute
Kenilworth Medical Office Building 1, 1237 Harding Place
Charlotte, NC 28204

Stay Updated on Collaborative Workshops!

Email collaborative_workshop@ccos.ctsa.io



Learning Health Systems (LHS) Collaborative Workshop

What's Our Focus?

Bringing together

- CTSA Program representatives
- Researchers
- Clinicians
- Policymakers
- Healthcare innovators
- Opinion leaders
- Other healthcare professionals

to generate ideas, meet new collaborators and plan future action.

Why Attend?

This is an opportunity for CTSAs to

- Form teams around LHS
- Learn about the ways the CTSAs have and can support LHS
- Research implementation science and operations to address translational science barriers

Save the Date!

Wednesday, May 22, 2024
8:00 am – 4:30 pm ET
In-Person Meeting



Email

collaborative_workshop@ccos.ctsa.io

for more details!



TEAM SCIENCE



2023 Fall Program Meeting

- **Date:** November 6-8, 2023
 - Nov 6th: Administrators & Steering Committee
 - Nov 7-8th: CTSA Program Meeting
- **Registration** has closed with over 403 in person and 178 virtual registrants!
- **Poster submission portal** is also closed as of Oct 23rd; poster gallery will be live on Oct 27th
- **Fall Program Meeting Agenda** is available on CCOS website
 - <https://ccos-cc.ctsa.io/groups/program-meetings>

Questions about the Fall meeting? Email FallMtg@ccos.ctsa.io

NEW Registration Link for CTSA Program Webinar

- **New Zoom link** for CTSA Program Webinar starting in July 2023
- **Please register** and add the new invite to your calendar:
https://zoom.us/webinar/register/WN_qy2vYoxnSdGzbhABVjQFzQ

Next webinar is January 24, 2024; 2-3 PM ET. [Register here.](#)
*(Nov and Dec webinars **cancelled**)*

- **Questions:** CTSA.ProgramWebinar@ccos.ctsa.io

Want to stay up to date on the CTSA Program?

Follow this link or scan to receive CTSA-wide communications and updates:

<http://eepurl.com/iw9nZA>



Remember to add communications@ccos.ctsa.io to your contacts list to prevent important CCOS emails from ending up in your spam folder!

Thank you!

Next webinar is **January 24, 2024; 2-3 PM ET.**