CTSA Program PI Webinar

Wednesday, August 22, 2018
2:00 – 3:00 ET

Agenda

Time	Topic	Presenter
2:00 – 2:05	Welcome	Clare Schmitt (NCATS)
2:05 - 2:10	NCATS and CTSA Program Updates	
2:10 – 2:15	Fall CTSA Program Update	Clare Schmitt (NCATS)
2:15 – 2:20	CLIC Updates	Debbie Ossip (CLIC)
2:20 - 3:00	Implementation and Roll-out of the Informatics Common Metric	Patricia Jones (NCATS) Ken Gersing (NCATS) Ann Dozier (CLIC)

NCATS and CTSA Program Updates

Clare Schmitt

NCATS Director's Update – FY 2019 Budget

House - Appropriations Subcommittee on Labor/HHS/Educ:

- June 14 - passed Bill (https://appropriations.house.gov/files/?CatagoryID=34777)
  - Bill Details:
    - NIH: $38.3 billion (+ $1.25 billion)
      - NCATS: $751,219,000 (+ $8.9 million)
        - CAN: up to $30,000,000
        - CTSA: $542,771,000 (+ $0)
  - Report Details:
    - "The Committee expects NIH to fund CTSAs at not less than the level provided in FY 2018."
    - "Rural Health Outcomes and Health Disparities--…The Committee requests an update on the actions within the CTSA Program to improve rural health outcomes and health disparities in the FY 2020 [budget request]."
- July 11 - Full Appropriations Committee approved Bill

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NCATS Director's Update – FY 2019 Budget

Senate - Appropriations Subcommittee on Labor/HHS/Educ

- June 26 - passed Bill (https://www.appropriations.senate.gov/subcommittees/labor-health-and-human-services-education-and-related-agencies)
  - Bill Details:
    - NIH: $39.1 billion (+ $2.0 billion)
    - NCATS: $806,787,000 (+ $64,353,000)
      - CAN: up to $80,000,000
      - CTSA: $560,031,000 (+17.3 million)
  - Report Details:
    - "The Committee encourages the NCATS to fund, through the existing CTSA Program hubs, expanded efforts to improve translational research that address health disparities and the significant burden of conditions that disproportionately affect minority and special populations..."
- June 28 – Full Appropriations Committee approved all 12 FY19 appropriations bills.

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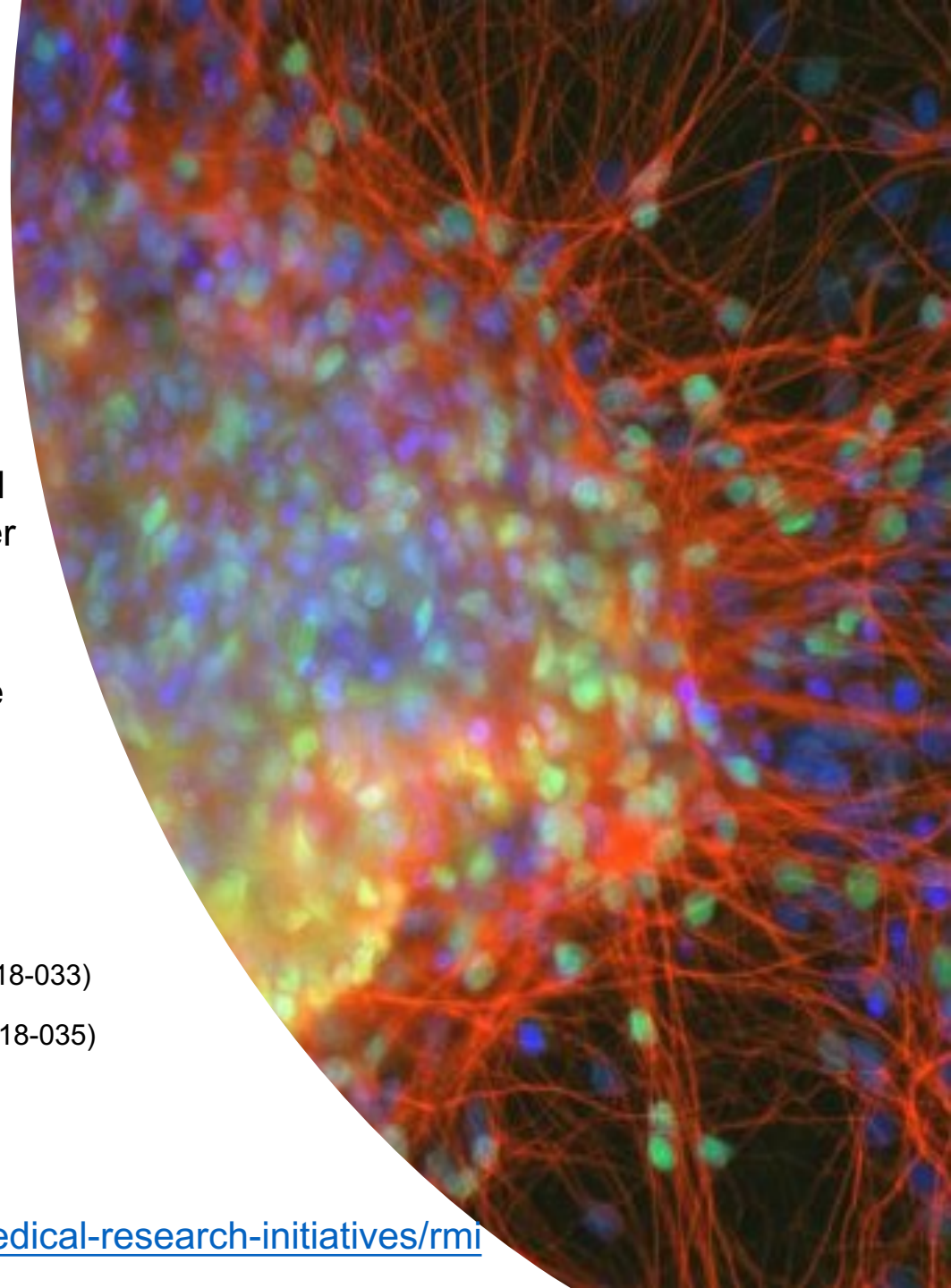
Regenerative Medicine Innovation Project (RMIP)

- **Regenerative medicine** is an emerging area of science that holds great promise for treating and even curing a variety of injuries and diseases. Regenerative medicine includes using **stem cells and other technologies**—such as **engineered biomaterials and gene editing**—to repair or replace damaged cells, tissues, or organs. Stem cell-based approaches are under development in labs around the world, and some have already moved into clinical trials.
- Much work remains to be done toward the development of safe and effective regenerative medicine products and to realize the full potential of this field:
  - RMIP Investigator-Initiated Research Project (RFA-HL-18-030)
  - RMIP Investigator-Initiated Clinical Trials (RFA-HL-18-031)
  - RMIP Small Business Technology Transfer Cooperative Agreement (RFA-HL-18-033)
  - RMIP Small Business Innovation Research Cooperative Agreement (RFA-HL-18-035)
- **Application Due Date: October 19, 2018**



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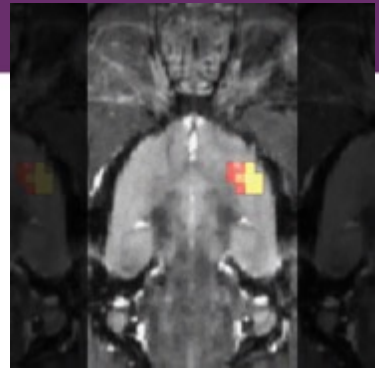
For more information: https://www.nih.gov/research-training/medical-research-initiatives/rmi

NCCIH Supplements to NCATS CTSA KL2 Programs

- **Objective:** The goal of the NCCIH KL2 administrative supplement program is to leverage the CTSA Program consortium to enhance and foster research training, in NCCIH research areas (e.g., pain management), for scholars with clinical complementary and integrative doctoral health degrees. The collaborative research experience will advance each scholar's career to attain research independence under the guidance of their mentoring team.
- **Selection Process:** The KL2 Program PI will select eligible candidates. Scholars may propose to conduct basic mechanistic, clinical, or observational research on a natural product or mind-body approach. NCCIH will not support applications proposing preliminary efficacy, or effectiveness studies through this funding opportunity.
- **Eligibility:** Candidates must have a clinical complementary and/or integrative doctoral health degree (DAOM, DC, DO, DPT, or ND). The proposed research must align with the NCCIH High Programmatic Priority Areas.
- National Center for Complementary and Integrative Health NCCIH notice: NOT-AT-18-014 (estimated publication date is Sept 1, 2018)
- Contact: Lanay Mudd, Ph.D. lanay.mudd@nih.gov



Fall CTSA Program Meeting Update

Clare Schmitt

CTSA Program Meetings

- **Fall CTSA Program Meetings:**
  - Focus: Priority research issues and opportunities for the consortium members to come together to share best practices
    - Steering Committee Meeting
    - Administrators' Meeting
    - Program Meeting
- **Spring CTSA Program Meetings:**
  - Focus: Education and training for the TS workforce and DTFs
    - Steering Committee Meeting
    - TL1 PI Meeting
    - KL2 PI Meeting
    - Workforce DTF
    - Collaboration & Engagement DTF
    - Methods & Processes DTF
  - 2019 Meeting: Adjacent to ACTS Meeting, Martin Zand and ACTS President Bob Kimberly are in discussions for scheduling

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2018 Fall CTSA Program Meeting

- **Place:**
  - Hilton Crystal City at Washington Reagan National Airport
    Arlington VA

- **More Info:**
  - https://clic-ctsa.org/events/2018-ctsa-program-fall-meeting

- **Monday October 22nd**
  - 10am - 5pm Steering Committee Meeting
  - 12-5 pm CTSA Program Administrators Meeting
  - 5:30-7:30 pm Networking & Poster Session

- **Tuesday October 23rd**
  - Program Meeting

Reminder: The Great CTSA Team Science Contest

Purpose of the contest is to find the best ideas in all of CTSA-land for encouraging better team science. Any person associated with a CTSA hub is eligible.

Winners will receive absolutely no prize money, no additional grant funds and, in fact, nothing of any monetary value whatsoever! Instead, they'll get something every CTSA desires and finds so hard to achieve – ***bragging rights***! The winning hubs will be announced at a major CTSA event and the results forever recorded on the world-wide internet somewhere.

Submissions welcome today through September 10.

https://cornell.qualtrics.com/jfe/form/SV_a2TzXUAKOBXaCwd

Background slide deck and notes are on the CLIC website here.

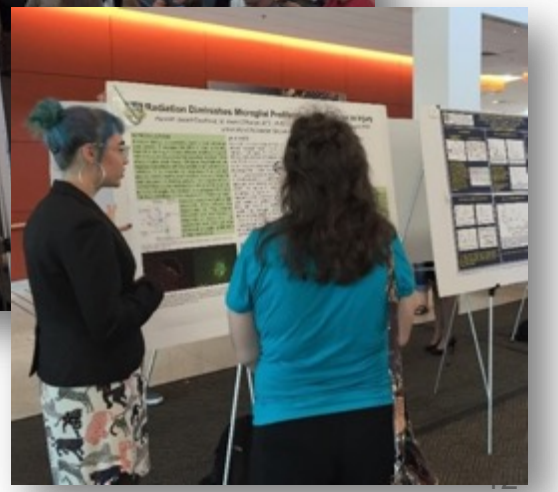
CTSA Program Networking & Poster Session

It's time to highlight your hard work.

The Fall CTSA Program Meeting will kick off with a Networking & Poster Session where each hub will have the opportunity to showcase 1-2 innovative hub projects or ideas while networking with program colleagues.

Additional details:

- Monday, October 22
- 5:30 – 7:30 p.m. ET
- Hilton Crystal City at Washington Reagan Airport
  - Room: Commonwealth Hall
- **1 poster per hub**
- Poster size: 43" H x 44" W
- Great CTSA Team Science Contest Winners to be announced
- Registration available soon



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2018 Fall CTSA Program Meeting
Draft Agenda

- **Morning Session**
  - Update from NCATS
  - Report from the SC DTF Task Force
  - Presentation from SMARTIRB and ACT
- **Afternoon Session**
  - Opportunities for CTSA Hub Engagement with CD2H
    - Melissa Haendel and CD2H
  - Topic TBA
  - Integrating Clinical Care and Research
    - Tim Murphy
  - NCATS CTSA Program Designation
    - Dan Cooper and Martin Zand

Topics for Future PI Webinars

>VA Collaborations

>IDeA Program and Collaborations

NOTE: Administrator's Meeting and Program Meeting will be available to off-site participants via ZOOM

Thank you!

Next Call: Wednesday September 26, 2018

2:00 – 3:00 ET

Suggestions for meeting topics to the CLIC Suggestion Box:

https://clic-ctsa.org/contact/suggestion-box

Upcoming Meetings

Date (2018)	Institution/Organization	Event Name
September 12	NIH Webcast	Single IRB Review for Multi-Site Research Resource and Infrastructure Development Workshop
Sept 20-21	University of Michigan	FFMI fastPACE Train-the-Trainer
Sept 20-21	University of Kentucky	8th Annual Appalachian Translational Research Network (ATRN) Summit: Addressing Health Disparities through Collaborative Research
September 27	NCATS	NCATS Advisory Council Meeting
September 27	HL7	HL7 FHIR Applications Roundtable
September 27	U Rochester & PhRMA	Regulatory Science to Advance Precision Medicine Forum
September 28	NCATS	NCATS Day 2018
September 28	Georgia CTSA	Clinical Trial Challenges: Lessons Learned from the NIH Collaboratory Biostatistics & Design Core
October 22	CTSA Program	Face-to-Face CTSA Program Steering Committee Meeting
October 22	CTSA Program	Face-to-Face CTSA Program Administrator's Meeting
October 23	CTSA Program	2018 CTSA Program Fall Meeting

And many more!! Add your events on the CLIC website here: https://clic-ctsa.org/event-list (login required)

Connect With the NCATS CTSA Program:

Websites:

Consortium: ctsa.ncats.nih.gov/
CLIC: clic-ctsa.org/
CD2H: ctsa.ncats.nih.gov/cd2h/
TIN: trialinnovationnetwork.org/
ACT: actnetwork.us/National
SMARTIRB: smartirb.org/

Twitter:

NCATS: twitter.com/ncats_nih_gov
CLIC: twitter.com/CLIC_CTSA
CD2H: twitter.com/data2health
Hashtag: #CTSAProgram

Newsletters:

NCATS: https://ncats.nih.gov/enews

CTSA Program Newsletter:

https://clic-ctsa.org/news/newsletter-subscribe

Submit WOW!s:

Login to submit WOW!s: https://clic-ctsa.org/news

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CLIC Updates: Common Metrics, Synergy Papers, and Un-Meetings

CTSA Program PI Webinar
22 August 2018

Deborah J Ossip PhD
Martin Zand MD PhD

The University of Rochester Center for Leading Innovation and Collaboration (CLIC) is the coordinating center for the Clinical and Translational Science Awards (CTSA) Program, funded by the National Center for Advancing Translational Sciences (NCATS) at the National Institutes of Health (NIH), Grant U24TR002260.

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Common Metrics Reports

- Revised 2016 Reports/Slides – this week
  - All plots now include hub-specific data where available
  - CLIC obtained additional hub-specific data entered by hubs by the December 7 deadline that had not previously been sent to CLIC by the data collection system
  - Careers Metric tables (C series) updated
  - Visualizations clearer
- Hub report feedback request will be sent week of September 10 for your input for next round – PIs, Administrators, CM POCs

Thank you for your questions and feedback!

Common_metrics@clic-ctsa.org

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Reminder: Please enter your 2017 Common Metrics Data by August 30, 2018

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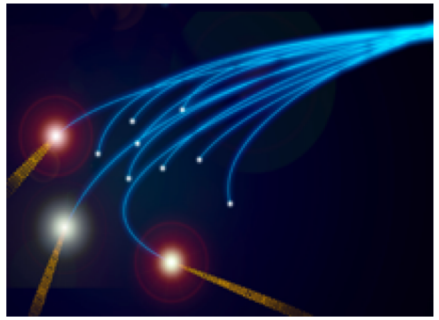
Synergy Paper and Un-Meeting RFAs



CLIC Synergy Paper RFA – Open Call for Applications

- Current synergy paper: Rapid Response
- Open call: *Your* collaborative teams choose the topic
- Topics qualify if they address:
  - A significant translational science roadblock

    OR
  - A review of a translational science topic across multiple stages of the translational continuum
- CLIC provides logistical support, publication cost up to $3,000

RFA and details on the application process coming soon
Questions? Interested in serving as a reviewer?
Please email synergy_papers@clic-ctsa.org

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CLIC Un-Meeting RFA – Open Call for Applications

- Your hub chooses the topic, applies to host a consortium-wide Un-Meeting at your site
- CLIC provides funds, planning guidance, and planning materials to the selected hub

RFAs and details on the application process coming soon

Questions?

Please email unmeetings@clic-ctsa.org

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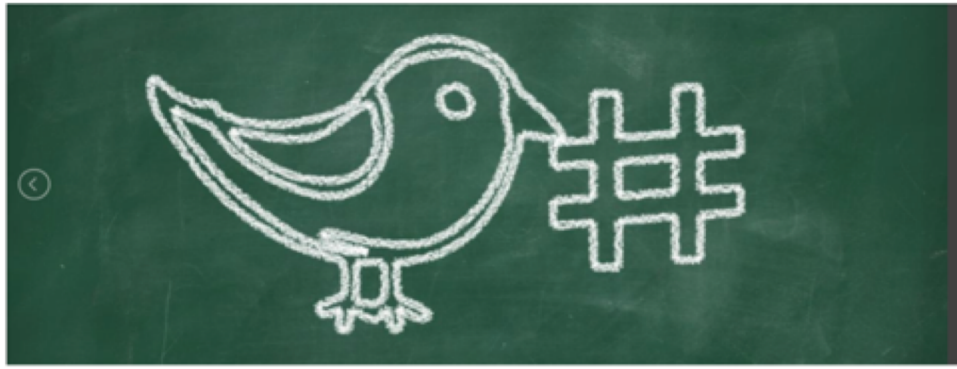

CLIC is Now on Twitter!

Follow for CLIC-specific updates, news from NCATS and around the network, and translational science-related stories.

Click Here to Follow on Twitter

Center for Leading Innovation and Collaboration

Welcome to the Center for Leading Innovation and Collaboration (CLIC) website. As the coordinating center for the Clinical and Translational Science Awards (CTSA) Program, the CLIC provides a one-stop-shop for all of your clinical and translational science needs. Find job and collaboration opportunities, training materials, research tools, data sets and more – everything you need for your research is just a *CLIC* away.

Learn more about the CLIC and the resources available to you here.

This site is designed and hosted by the University of Rochester. Please provide any website feedback by completing this survey.

Upcoming Events

- APR 18 — Challenges & Opportunities in Pediatric Clinical Trials
- APR 18 — Spring CTSA Program Meeting
- APR 19 — Translational Science 2018 - April 19-21, 2018

View All Events

Recent CLIC News

- APR 04 — Addressing the opioid crisis: CLIC to host "Un-Meeting" to foster opioid research collaborations
- MAR 15 — Communicating the societal impact of translational science: a new assessment framework
- MAR 01 — CLIC launches Opportunities Board in support of translational science workforce development

View All News

Find the repository of the governance, guidelines and policies for the CTSA program on the NCATS website.

Introduction to the NCATS CTSA Program Common Metrics Initiative

Background

Vision of the NCATS CTSA Program Common Metrics Initiative

- Demonstrate and improve the impact of the CTSA Program

Recommended by the IOM Committee

- Formalize and standardize evaluation processes for individual hubs and the CTSA Program
- Use clear, consistent, innovative metrics aligned with program's mission and goals
- Move beyond academic benchmarks of publications and number of grant awards

Goals for Common Metrics Initiative

- ***Use collaboration*** as a tool to develop and implement common metrics
  - including Investigators, Evaluators, Administrators, Coordinators, NCATS staff, and other stakeholders
- ***Harmonizing metrics data*** across the CTSA Program hubs so we describe impact locally and nationally
- ***Align strategic management*** across the consortium to enhance development of best practices for the consortium and larger research enterprise

What the Common Metrics Initiative is *NOT:*

- An evaluation Program using traditional evaluation tools
- A way to make funding decisions
- A way to understand or compare the impact of CTSA Program activities without additional context

Success for Common Metrics

- **Useful**
  - Data are useful and used by CTSA Program hubs and NCATS to measure impact and for strategic management to improve impact (not a compliance exercise)
- **Collaborative**
  - Builds collaboration at multiple levels including CTSA Program Hub and Consortium, Academic Medical Center, and NCATS Staff in strategic management of key programmatic areas of the hub and the consortium
- **Impact**
  - Enhances the impact of the CTSA Program hubs in key programmatic areas and the Consortium as a whole
  - Provides information to tell the story of impact for the Consortium not just single hubs
- **Translational**
  - Enhanced impact in metric area yields improvement beyond CTSA Program hub
  - Metric and strategic management best practices may be generalizable to other research organizations beyond CTSA Program advancing performance improvement

Fundamental tools:
Common Metrics Initiative

- Results Based Accountability (RBA) Framework
  - provides a framework that encompasses accountability for the “whole” as well as the “parts.”

- Scorecard Software program

  - Turn-the-Curve (TTC) plans reflects the strategic management actions to the “story-behind-the curve”

Results Based Accountability (RBA) Framework:

Data-driven decision making process:

Starts with data about our “impact”

METRICS

Leads to action

STRATEGIES

Strategically Managing the CTSA Program

"Turn-the-Curve" grounded in 5 Core questions:

- How are we doing?
- What is the story behind the curve?
- Which partners facilitate turning-the-curve?
- What efforts turn-the-curve?
- What is the action plan to turn-the-curve?

Strategic Management to Enhance Impact

- Not just about the data, but about tools for strategic management
- Metrics data result in hypothesis-generating strategic management plans
- Flexibility in local strategies to “turn the curve”
- Examine data longitudinally
- See if trends are in right direction

Strategic Management Collaboration Across the Consortium

Hub	• Collaborate in collecting metrics, developing and implementing strategic management plan • CTSA Program Hub, Academic Medical Center & Stakeholders
Hub and NCATS	• Collaborate in monitoring implementation and success of strategic management plan • CTSA Program Hub and NCATS Program Director
CTSA Consortium and NCATS	• Collaborate in sharing best and promising strategic management strategies • CTSA Consortium and NCATS Program Directors

Informatics Common Metric

Interoperable Clinical Data Availability and Completeness

Ken Gersing, M.D.

Director of Informatics, Division of Clinical Innovation, NCATS

Informatics for the CTSA Program

What is Informatics?

- The study and practice of creating, storing, finding, manipulating and sharing information

How does the CTSA Program Support Informatics Solutions? Through support and innovation in:

- **Data Standards:** *compatible research systems and use of standard terminologies to enable data harmonization*
- **Data Integration:** *integrating different types of data from different sources for discovery and improved health*
- **Data Access & Data Sharing:** *ability to query across sources and organizations and respond to diverse queries; enable data access, integration, and processing*
- **Data Quality:** *ensure data are fit for purpose, provide benchmarking for new tools and algorithms*
- **Data Security:** *user friendly infrastructure to assist investigators in ensuring the security of their data*

Informatics Vision the CTSA Program

Vision:

The CTSA Program is a collaborative and interoperable national research network that will leverage resources across multiple systems and unique expertise within our institutions to connect research to health care that results in better health through research

A Collaborative Approach to Metric Development

The development of this Informatics Common Metric has been highly collaborative:

- ✓ Several potential informatics metrics were developed by the iDTF membership
- ✓ These potential metrics were vetted through CM Executive Committee and the CTSA Program Steering Committee until a single metric was identified and thought to be useful for the hub and the consortium in strategic management
- ✓ Small development team worked on the details of the operational guidelines in a stepwise process with constant engagement and feedback from the iDTF
- ✓ Transparent and open process:
  - ✓ Operational Guidelines available on a google document open to all CTSA Program community members
  - ✓ Worked with iDTF members and others to develop and test the scripts that are to be used to query the clinical data warehouse and deposited them on Github page: https://github.com/ncats/CTSA-Metrics
- ✓ Strong overall engagement effort: 1-page information document, FAQs, recorded webinar, continuous engagement with evaluators, iDTF, CTSA Program consortium, NCATS

Informatics Metric Development Team

Informatics Metric Development Team NCATS Leads: Erica Rosemond and Ken Gersing		
Member	**Name**	**Affiliation**
Administrator	Thomas Fogg	Rochester
Administrator / Associate Director of Bioinformatics	Elizabeth Wood	Weill Cornell
Evaluator	Kristi Holmes	Northwestern
Evaluator	Patrick Barlow	University of Iowa
PI	Bob Clark	UTHSC at San Antonio
PI	Jiajie Zhang	UTHSC at Houston
Subject Matter Expert	Justin Starren	Northwestern

Goals for Informatics Common Metric

- Meaningful and useful activity for both local hubs and CTSA Program
- Low cost/burden of implementation – Scripts are prebuilt for community
- Align with other CTSA Program initiatives i.e. TIN, ACT, CD2H
- Facilitate the **interoperability** of research data through the use of standard value sets i.e. ONC, HL7, CDISC, NCI EVS, NLM etc.
- Facilitate **sharing** of research data across common data models i.e. PCORI, ACT/i2b2, Sentinel, and OMOP (FAIR Data Principles)
- Facilitate Translational Science across the research spectrum, preclinic to clinical

Informatics Goal – FAIR Data Principles

Improve the interoperability of data within multiple systems by making the data adhere to the FAIR data principles to ultimately enable rich machine readable data:

- **Findable:** Registered, Metadata, Indexed, Searchable, etc**.**
- **Accessible:** API, Versioned, Access, Restful
- **Interoperable:** Exchange standards, Standard Ontologies, etc.
- **Re-usable:** Comprehensiveness, Reusability (License), credit (PI)

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Informatics Metric: Interoperable Clinical Data Availability and Completeness

Rationale:

- Improving data access within and between CTSA Program hubs by improving clinical data repository completeness and standardization across the CTSA Program

Data Scope:

- Hubs will be asked to provide data about their local repository including the total number of unique patients and prevalence of standardized domain-specific data to describe the quantity and comparability of data in their local repository (optional to use different data models: OMOP, PCORnet, i2b2/ACT, or other i2b2 data model; Note: hubs can also work with TriNetX to acquire the data)

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Informatics Metric: Interoperable Clinical Data Availability and Completeness

8 common data domains within a clinical data repository

Each common data domain will include the following*:

- Numerator: Count of unique patients with the standard value
- Denominator: Count of unique patients within the clinical data repository

Metric = % of unique patients with the standard value

*except for the observations data domain where the metric is presence or absence of an observation

Operational Guidelines **(on the CLIC website)**

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Informatics Metric: Clinical Data Repository Characterization

Data Domain	Standard Value	Numerator	Denominator	Metric
Patient	N/A	count of unique patients with a age/DOB value	Count of all patients in the Data Repository	% patients with age/DOB value
Patient	Administrative Sex	count of unique patients with administrative sex value		% of total with sex value
Labs	LOINC ID	count of unique patients with a LOINC ID value		% of patients with LOINC ID value
Medications / Drugs	RxNorm ID	count of unique patients with a RxNorm ID value		% of patients with RxNorm ID value
Conditions / Diagnosis	ICD 9/10 or SNOMED	count of unique patients with an ICD 9/10 value		% of patients with ICD 9/10 value
Procedures	ICD 9/10 CPT	count of unique patients with an ICD 9/10 or CPT procedure value		% of patients with ICD 9/10 or CPT procedure value
Notes / Narrative	N/A	count of unique patients with free text data		% of patients with free text data
Observations	N/A	Presence of Observations or Absence of Observations	N/A	Presence of Observations or Absence of Observations

Pilot Data: Completeness of Data

Domain	Results
Age/DOB	14 of 16 Hubs (88%) at 100%
Administrative Sex	13 of 16 Hubs (81%) at 100%
LOINC ID	Hub Results Range 17% - 82%
Rx NORM ID	Hub Results Range 7% - 78%
ICD 9/10 or SNOMED	Hub Results Range 31% - 97%
ICD 9/10 CPT Procedures	Hub Results Range 11% - 97%
Free Text Data	2 of 16 Hubs (12%) Had Notes
Observations	10 of 16 Hubs (63%) Observations Present

Pilot Data: Reported by Data Model

Informatics Metrics: Average %	i2b2 / ACT	TriNetX	OMOP	PCORnet
% of patients with administrative sex value	99.2	100.0	100.0	100.0
% of patients with an age or date of birth value	99.8	100.0	100.0	99.7
% of patients with free text data	0.0	34.9	3.1	0.0
% of patients with ICD 9/10 or CPT Procedure value	52.6	71.5	65.1	72.3
% of patients with ICD 9/10 or SNOMED value	75.8	81.7	68.1	82.1
% of patients with LOINC ID value	39.7	69.8	44.6	39.8
% of patients with RxNorm value	53.4	24.6	41.4	46.8

Baseline and Continuous Quality Improvement

- How many patients have records with medications recorded using RxNorm?
  - Count of patients with a RxNorm identifier / count of unique patients within the data repository
    - CQI – Should we move to the visit/encounter level?

- How many patients have records with laboratory tests recorded using LOINC?
  - Count of patients with a LOINC identifier/ count of unique patients within the data repository

Data Sources & Frequency of Reporting

- CTSA Program clinical data repository refers to hubs (collaborators/partners are optional)
- Report on a single data model that best represents your research data warehouse
- Data is collected once a calendar year January to December
- Report once a year, by August 31st
- Report includes 8 metrics and a turn-the-curve plan

Method of Data Collection

OMOP, PCORnet, and i2b2/ACT data models:

- Scripts are provided (Oracle/SQL) https://github.com/ncats/CTSA-Metrics

Data from TriNetX:

- TriNetX will provide the hubs with the metric data: email CTSA@trinetx.com

Other data models:

- Hub will be responsible for generating their own scripts

Proposed new data models:

- Hubs wishing to use other data models should work with CLIC.

Strategic Management

Informatics Common Metric:

- The CTSA Program will have established a path toward consensus / standard of excellence / baseline value that reflects a minimal standard for a searchable, centralized electronic data repository at hubs within the CTSA Program

- The CTSA Program will be able to track progress toward an **interoperable national research network** as it pertains to clinical data (e.g. TIN, ACT, CD2H)

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Strategic Management: Opportunities

This metric will provide **continuous improvement** for **both** the CTSA Program **and** individual hubs:

- This metric will provide continuous improvement for the CTSA Program by:
  - Enhancing interoperability by increasing different types of data in a hub's clinical data repository
  - Adding new data domains with standards/values
  - Adding different types of data: imaging, genetics, etc.
- Each hub will strategically manage their data warehouse to:
  - **Enhance quality** of the data within the data repository
  - **Increase interoperability** within a hub and between hubs

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The Center for Leading Innovation and Collaboration

Serving the CTSA Program through coordination, transparent communication, actionable metrics, network analytics and innovative collaboration tools.

The University of Rochester Center for Leading Innovation and Collaboration (CLIC) is the coordinating center for the Clinical and Translational Science Awards (CTSA) Program, funded by the National Center for Advancing Translational Sciences (NCATS) at the National Institutes of Health (NIH), Grant U24TR002260.

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Informatics Common Metric: CTSA Program Implementation

PI Call

8.22.18

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Metric Timeline

Development
Metric Team
Summer 2016 - Nov 2017

Pilot
Nov 2017 - Jan 2018

Post-Pilot
Feb - Mar 2018

Getting Started
Pre-Launch
Apr - Aug 2018

Launch
Consortium wide
Sept 2018

The University of Rochester Center for Leading Innovation and Collaboration (CLIC) is the coordinating center for the Clinical and Translational Science Awards (CTSA) Program, funded by the National Center for Advancing Translational Sciences (NCATS) at the National Institutes of Health (NIH), Grant U24TR002260.

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Participating Pilot Sites by Data Model

Data Model	Pilot Sites	
OMOP	Albert Einstein College of Medicine - Montefiore Health Columbia University Icahn School of Medicine at Mt. Sinai University of California Irvine	
PCORnet	Medical College of Wisconsin Ohio State University University of California Los Angeles	University of Chicago University of Kansas Medical Center Washington University
i2b2/ACT	Indiana University – Purdue University at Indianapolis University of Florida University of Pittsburgh University of Rochester	
i2b2/TriNetX	University of Massachusetts Weill Medical College of Cornell University	

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What's Next?: Transition from Pilot Phase to Implementation Phase

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Transition from Post Pilot to Implementation Launch: April – August 2018

Supportive Material Development:

- Team Formation Guide
- Implementation Guide
- Overview of Informatics
- Overview of RBA & TTC Planning

Training/Technical Assistance :

- Webinars
- Office Hour
- Individual hub TA requests

Metric Communications:

- Key Stakeholders Calls
- CTSA Program Update

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Implementation Phase 1: September – December 2018

Trial Run-Process

- Excludes Pilot Sites
- Establish metric teams
- Identify data model
- Review/run scripts
- Review output
- Identify facilitators and/or challenges (Draft TTC plan)
- Enter initial data and working draft of TTC plan into Scorecard

Complete ICM Section in CM Scorecard by/before **December 31, 2018**

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Implementation Phase 2: January – August 2019

Consortium Implementation

- ALL hubs participate
- Run script
- Review output with metric team
- Enter data into Scorecard
- Finalize TTC plan
- Worksheet upload

Update ICM Section in CM Clear Impact Scorecard

1. Numerical Data by/before March 31, 2019 (first quarter 2019)
2. TTC by August 31, 2019

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CLIC CM Team Here to Help!

1. Questions related to the OG, RBA, Scorecard or other:
   - Office Hours
   - Email: common_metrics@clic-ctsa.org
   - Collaborative Space: https://drive.google.com/drive/folders/1WypZiBK1YL4kdHXPr7CNATUJ8cIYRJqx?usp=sharing

2. Script-related
   - Github page contains an “Issues” page. Use this page for any technical issues associated with the scripts: https://github.com/ncats/CTSA-Metrics

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Helpful Resources

Common Metrics Webpage

Pilot Testing of New Common Metrics

- Pre-Pilot Landscape Assessment Results
- Informatics Metric Pilot Results Report

Established Common Metrics

- Operational Guidelines

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What Questions Do You Have?

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