



CTSA Program Common Metric Operational Guideline: *Careers in Clinical and Translational Research*

Template Element	Description
1. Operationalized Metric Title	Careers in clinical and translational research
2. Common Function Group	Workforce Development
3. Common Sub-function	Pre/early career education in clinical and translational research
4. Operational Specification	<p>The number and percent of institutional scholars and trainees who completed the KL2 and TL1 programs, respectively, who are currently engaged in clinical and translational research.</p> <p>Of those who are currently engaged in clinical and translational research, the number and percent of underrepresented persons and women.*</p>
5. Technical Description (include key definitions, timeframe, data scope)	<p><u>Key Definitions</u></p> <p>In order to launch scholars and trainees into clinical and translational research careers following completion of their training programs, they must be engaged in clinical and translational research.</p> <p>“Engaged in research” includes any of the following activities:</p> <ul style="list-style-type: none"> ▪ Enrolling participants into clinical trials, being an active member of a multidisciplinary research team, participating in large-scale genotype/phenotype studies, etc. • If primary role is as a clinician: some effort (e.g., 20%) in research or as a site PI for industry-sponsored clinical trials

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	<ul style="list-style-type: none"> • If primary role is in academia: PI, Co-PI or Co-I on a funded grant involving clinical and translational research • If primary role is in academia and not actively funded, then actively involved in grant writing/re-submitting/reviewing (study section) in clinical and translational research • If primary role is in Industry: involved in directing clinical and translational research projects • If primary role is in Government: involved in conducting or managing clinical and translational research <p><u>Timeframe</u> This metric will be collected annually and is cumulative for all KL2 and TL1 scholars and trainees who graduated since January 1, 2012. If your hub was funded later than this date, the beginning date is as of funding date.</p> <p><u>Data Scope</u> All graduates of the TL1 and KL2 programs after January 1, 2012, respectively. TL1 would be reported separately from KL2. Graduates for whom data cannot be obtained would not be included in the numerator (# graduates engaged in research) or the denominator (total # graduates).</p>
6. Data Sources, Method of Data Collection, Exclusion Criteria	<p><u>Data sources and Method of Data Collection</u></p> <p>Possible data sources:</p> <ol style="list-style-type: none"> 1. Current year CVs of scholars/ trainees (requested annually by program administrator). Manual effort reading CVs. May require back-up data collection via internet searches and/or contacting former trainees. 2. Survey (e.g. Graduate Tracking Survey System - GTSS - developed by Rockefeller Univ.; WebCAMP PROMPTR) or survey developed in-house at a CTSA Program Hub. Time

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	<p>consuming to set up, but less onerous after initiation. Rarely/never get 100% participation in a survey, thus making data a sample only.</p> <p>3. Note: NIH Reporter only reports PIs and not Co-Is, so it cannot be the sole source of information for NIH grants, particularly for team science, where involvement may be as team member but not as PI.</p> <p><u>Exclusion Criteria</u></p> <p>Trainees and scholars who are still in training or who have left the program without completing the full training program requirements are excluded.</p> <p>Trainees and scholars who participate in other career development programs, including other K and T programs are excluded.</p>
7. Frequency of data collection and Reporting	Annually
8. Unit of Analysis	Scholar, Trainee
9. Scoring	<ol style="list-style-type: none"> 1. Number and percent of KL2 graduates who are currently engaged in clinical and translational research. 2. Of the KL2 graduates who are currently engaged in clinical and translational research, the number and percent of underrepresented persons.* 3. Of the KL2 graduates who are currently engaged in clinical and translational research, the number and percent of women.* 4. Number and percent of TL1 graduates who are currently engaged in clinical and translational research. 5. Of the TL1 graduates who are currently engaged in clinical and translational research, the number and percent of underrepresented persons.* 6. Of the TL1 graduates who are currently engaged in clinical and translational research, the number and percent of women.*

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10. Notes/Comments	<p>The TL1 program is also known as the National Research Service Award (NRSA) Training Core.</p> <p>The KL2 program is also known as the Institutional Career Development Core.</p> <p>*NIH encourages institutions to diversify their student and faculty populations to enhance the participation of individuals from groups identified as nationally underrepresented in the biomedical, clinical, behavioral and social sciences. These groups include: individuals from underrepresented racial and ethnic groups, individuals with disabilities, individuals from disadvantaged backgrounds and women at senior faculty levels in biomedical-relevant disciplines. http://grants.nih.gov/grants/guide/notice-files/NOT-OD-15-053.html</p>