

appropriately contextualized history-taking), demonstration of empathy, and by fostering patient agency. The study thus highlights the importance of clinicians' clear communication, demonstration of empathy and fostering of patient agency as critical factors to empowering communication that attenuates Black women's pregnancy-related risk perceptions. **DISCUSSION/SIGNIFICANCE:** Given the unjust dangers Black women face during pregnancy, this study demonstrates how patient-clinician communication influences Black women's pregnancy risk perceptions, providing recommendations for clinician communication practices that empower Black women and attenuate their perceptions of pregnancy risk.

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Trailblazer Pilot Grants as Originators of Research Collaborators: Past, Present, and Future[†]

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OBJECTIVES/GOALS: We aim to share information about the Trailblazer Award Pilot Grants, which support collaborative, community engaged research projects with potential to improve health equity in Indiana, and achievements of awardees in terms of publications and funded external grants. We also share plans to expand the impact of the pilot grant process. **METHODS/STUDY POPULATION:** Data on publications and funded grant applications resulting from Trailblazer Award-funded projects were obtained from progress reports completed by the projects' principal investigators. Awardees submit annual progress reports throughout the project and five years following the close of the project. On these progress reports, awardees list the publications that they have submitted, and their publication status, and external grants submitted and funded. Because some progress reports were never submitted, and projects which began in 2021 or 2022 are not complete, and are therefore likely to have additional publications and grants result from their projects, our results likely underestimate the number of publications and grants resulting from these projects. **RESULTS/ANTICIPATED RESULTS:** Below are a number of charts which illustrate the outcomes of Trailblazer Award projects from years 2015 through 2022, including: the number of applications received as compared to the number of applications funded; the academic institutions of the academic partners on awarded projects throughout the state of Indiana; the general topic areas of all funded projects; and the number of publications and funded grants resulting from Trailblazer Award-funded projects, as reported by awardees. We have found that, in recent years, while the amount of publications by awardees have stayed roughly the same, the numbers of funded external grants resulting from Trailblazer-funded projects have decreased somewhat. [blob:https://acts.slayte.com/8404bbca-3054-4f57-9d36-cd8d6152841b] [blob:https://acts.slayte.com/6b43bd70-fe90-494a-be1a-c091a6ab924d] [blob:https://acts.slayte.com/b0e2b7f6-1604-4379-94df-efccdc2e51c2] [blob:https://acts.slayte.com/c1a591a7-2a0e-4f6d-ade1-027bb389ef68] **DISCUSSION/SIGNIFICANCE:** We will implement changes for Trailblazer projects, including hosting workshops on disseminating findings and applying for external funding, and helping awardees to form partnerships within their topic area. We believe providing these resources to awardees will increase publications and grant funding, thereby allowing their work to continue. #_msocom_1.

[†]The online version of this abstract has been updated since original publication. A notice detailing the change has been published at <https://doi.org/10.1017/cts.2024.541>.

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Are you trust-worthy: Trust-building activities in Translational Sciences

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OBJECTIVES/GOALS: Many researchers aim to build trust with communities and participants. Trust building is meant to achieve greater representation across aspects of research whether in participation, or more comprehensively as partners from design to dissemination. We provide practical guidance for trust building activities and the ethical issues that can arise. **METHODS/STUDY POPULATION:** While trust itself is inherently seen as an ethical good, often little attention is paid to the ethical aspects of trust building exercises themselves and the fact that trust can vary in type. Using a bioethical analysis of trustworthiness, we discuss how to approach trust in different relationships and settings. Explicit communication about the supports/constraints and potential outcomes of new trusted relationships is required for ethical practice. Where relationships are built without appropriate transparency and follow through, or with misunderstandings about potential shared values, priorities, or desired outcomes, significant harms can occur in the short- and long term. Using a bioethical framework and practical examples we provide guidance on how to engage in ethical trust building activities. **RESULTS/ANTICIPATED RESULTS:** While many people are good at the trust building work they do, this work is often not shared as best practices and is ascribed to individual skill. This is slowly changing and an evidence-base is being developed that can support those new to these activities. Ethical guidance to support trust building practices, especially for those new to these activities, is currently lacking. By providing both a conceptual and normative bioethical analysis grounded in practice, we provide the foundations for new activities and the necessary support for work that explores and determines best practices. This analysis provides an understanding of trust including a taxonomy and a discussion of how different types of trust can be built and can support research activities, as well as problems that can arise. **DISCUSSION/SIGNIFICANCE:** Trust building activities with communities and participants are crucial to much of translational science and research, but ethical guidance on how to engage in these activities well is lacking. We provide bioethical guidance and offer practical recommendations.

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Activating community health workers: A community-academic partnership to understand vaccine hesitancy[†]

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OBJECTIVES/GOALS: In 2022, Chicago created the COVID-19 Response Corps, a cohort of community health workers (CHWs), trained to conduct contact tracing and vaccine outreach. Through an Earn and Learn program, corps members studied community-engaged