Researchers have long recognized that if they want to tell the full, accurate story of the interventions they study, it is important to collect information directly from program staff members and study participants. Researchers rely on staff accounts to understand how a program operates, make assessments about whether it was implemented as the original program model intended, and assess how fully participants engage in it. They interview program participants to understand why they take certain actions and how they use services, giving context to systems data that answer more static questions about who uses what services, and when. They survey study participants about job characteristics or life circumstances when administrative data reflect, for example, only total dollar amounts.

In the context of MDRC’s research, these program staff members and participants have lived expertise, or direct experience in the conditions and systems that researchers study.
and aim to improve. People with lived expertise can include individuals or families enrolled in or eligible for a program of interest, service practitioners who work directly with these individuals and families, and community leaders. Such people have a wealth of knowledge about the social issues and programs that are studied, derived from their own experiences. People with lived expertise are crucial advisers on a variety of decisions, including what problems to solve, which data sources to draw from, what analyses to apply to them, and what visual representations of the data will be accurate, timely, and useful.

MDRC’s Center for Data Insights (CDI) is dedicated to elevating the dignity of each person affected by the programs it analyzes. It views dignity as the recognition that each person is worthy of respect and agency, and should be treated equitably and ethically. This commitment means that drawing on people’s lived expertise from project inception to the dissemination of results is central to CDI’s work.

CDI has collaborated with two of MDRC’s long-standing program partners, Per Scholas and the Center for Employment Opportunities (CEO), to create and implement tools that can more fully capture participants’ lived experiences. These tools have been used in conjunction with existing methods from behavioral science and data analytics to improve both program outcomes and the experiences of participants and staff members. This brief summarizes lessons learned from these partnerships. Box 1 provides information about these partners’ mission and work.

PER SCHOLAS: EXPLORING THE HUMANITY BEHIND PROCESS ANALYSES

Like most sector-based training programs, Per Scholas uses a screening process to assess whether applicants are eligible and to ensure they are interested and have the aptitude to master the types of skills they will need. An MDRC implementation study of the program found that about 80 percent of the people who started Per Scholas applications dropped out during the screening process and never enrolled. The study reported on the stages of the Per Scholas enrollment process: a program orientation, an eligibility screen (focused on age and income requirements), an assessment of reading and math levels (using the Test of Adult Basic Education, or TABE), verification of a high school diploma or equivalency, staff interviews and case conferences, and finally, an intake appointment. It found that the most people dropped out of the process before passing the TABE assessment, so Per Scholas began working with MDRC to identify ways to help applicants make it past this step.

MDRC data scientists in CDI ran predictive models to assess Per Scholas’s enrollment process and found that many people who were a “good fit” for the program (at least as predicted by their background characteristics such as gender, race, ethnicity, and household composition) were dropping out during the application process. Per Scholas’s systems data, however, could not specify why participants did not continue with the application process. The intake process captured in the data system was also missing some intermediate steps. For example, the systems data did not reflect what applicants had to do on their own to apply, such as actively registering for an information session after
submitting an online application or making plans to prepare and study for the TABE assessment. The dynamics of applicants’ personal life circumstances could have been either motivating or discouraging them from continuing with the application process in ways that were not being observed.

To explore the application process more thoroughly, CDI used human-centered design, a problem-solving approach that focuses on the experiences and opinions of those receiving services. With staff members, students, and alumni, the CDI team employed customer journey mapping: a type of process mapping exercise that lists the steps in a process and describes a person’s feelings, thoughts, motivations, and barriers during each step. The key to customer journey mapping is the development of a persona, an imagined profile representing a “typical” user, derived from a combination

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**BOX 1. ABOUT THE PARTNERS**

**Per Scholas:** Per Scholas is headquartered in the Bronx, New York, with 17 additional locations around the country. It is a nonprofit institute that provides training in technology skills to people from families with low incomes, training nearly 3,000 adults in 2021. An MDRC evaluation found that Per Scholas produced large impacts on earnings through five years of follow-up data collection.* Program applicants need to go through an intensive screening process to make sure their needs and interests match the program services that are offered. As Per Scholas has increased the number of seats available in its training programs, it has needed to enroll more participants, and has continued to partner with CDI to find more eligible applicants.†

**Center for Employment Opportunities:** The Center for Employment Opportunities (CEO) operates in 12 states and 31 cities. It is a comprehensive employment program for people who are returning home from prison, providing temporary paid jobs and other services to improve participants’ labor market prospects and reduce the rates at which they are rearrested and reincarcerated. MDRC’s study of CEO’s transitional jobs program showed that while employment effects faded over time, the program reduced the likelihood of arrest, conviction, and reincarceration, especially among participants who were at higher risk of those outcomes when they enrolled in the study.‡ CEO maintains a data system that stores extensive participant data; it has partnered with CDI to enhance its understanding of the participants’ experiences with program services and to assess whether participants’ positive or negative feedback about their experiences are correlated with whether they achieve program milestones.

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of systems data and insights from people with lived expertise (in this case the participating staff members, students, and alumni) about users’ behavior, motivations, thoughts, and feelings. Using a persona encourages the people doing the mapping to think about the real experiences of people as they interact with the system. For example, thinking about a persona of a working, single mother without a car can lead to a discussion of whether an on-site interview could be made more accommodating for people with childcare or transportation needs. The persona can also prompt discussion about whether the process can include information about income support for people who may not have the option of reducing their incomes because they are working less while in a training program. MDRC collaborated with Per Scholas’s team of people with lived expertise on an online collaborative platform (Miro) to create customer journey maps that reflect the potential experiences of a few different personas.

The customer-journey-mapping exercise represented a turning point toward developing a more dignified application process for prospective learners. The MDRC team facilitated mapping the process by which people applied to and enrolled in the program and identified many additional steps applicants must take that were not tracked in the systems data. The intermediate steps had not been immediately apparent to Per Scholas staff members, who gained a fuller understanding of applicants’ experience. The activity also uncovered parts of the online application that asked for information used more for reporting and marketing purposes than for eligibility and program-fit determinations. These additional questions contributed to a prolonged and potentially intrusive application process. For example, asking about public assistance receipt on the application may have been an expedient way to collect program information for funder reports, but could make it less likely that people would complete the application, especially since they had no established or trusting relationship with the program provider. Per Scholas staff members deliberated whether certain questions were necessary during the application stage, making a priority of applicants’ experiences rather than the expedient collection of data.

CDI then used behavioral science to help Per Scholas reimagine and design an admissions process that was less burdensome for both prospective learners and staff. (Behavioral science combines insights from behavioral economics, social psychology, cognitive psychology, and studies of organizational behavior to improve the experiences of people receiving services.) A pilot test of this new admissions process demonstrated that the program could provide a more manageable and less arduous application experience for prospective learners and still get students who were a good fit for the program. The new admissions process reflected Per Scholas’s commitment to the dignity of its learners. It did a better job of respecting applicants’ investments of time and effort and appreciating their willingness to entrust Per Scholas with their personal information.

Additionally, these conversations helped the CDI team understand experiences that were missing from the predictive models mentioned above (what researchers call “omitted variables”). The perspectives of people with lived expertise (in this case, front-line staff members, students, and alumni) and the use of a persona allowed Per Scholas to understand more fully what is required for applicants to persist through the application process. Customer journey mapping allowed CDI to layer behavio-
Putting Lived Experience at the Center of Data Science

ral science methods onto insights from the predictive models so that more complete data, collected in a more dignified manner, could improve the application and eventual admissions process for prospective learners.

CENTER FOR EMPLOYMENT OPPORTUNITIES: QUANTIFYING LIVED EXPERIENCES TO REACH INSIGHTS THAT LEAD TO ACTION

CEO provides employment services and other comprehensive services to individuals who have recently returned home from incarceration. It believes that organizations that listen to their participants and then incorporate their voices meaningfully into program decisions are better able to provide accessible and effective services. In mid-2016, CEO deployed a text message survey program to “listen” to its participants by collecting feedback about the program. CEO sends a series of questions by text to participants to solicit their perspectives at important points in the program, such as when they complete initial training or submit their first pay stubs to CEO to demonstrate that they are actively working. It has used data from these surveys to adjust its services, for example by giving job coaches better communication tools and altering program-activity schedules to accommodate participants.

CEO partnered with CDI to learn about the value and the limitations of these text message responses. Much like other surveys fielded to study participants, CEO’s text-based surveys were subject to concerns about response and nonresponse bias—meaning people who respond to the survey are likely to be systematically dissimilar to those who do not respond. Respondents were more likely to engage in the program than nonrespondents, for example, and faced fewer barriers to reaching program milestones. As a result, the responses CEO received to the text message surveys might not reflect the sentiments or perspectives of the people who needed the most support. Indeed, when these text message data were quantified and incorporated into predictive job placement models, being a respondent emerged as a strong predictor of positive employment outcomes. In other words, the people who responded to the survey were also very likely to be the ones who enjoyed the most success in the labor market. The text responses were also overwhelmingly positive, probably reflecting some courtesy bias (the tendency for people to understate dissatisfaction because they do not want to offend the organization seeking their opinion).

CEO wanted to capture the missing voices of these people with lived expertise who were not responding to the text surveys. To explore how to do so, CDI and CEO turned to CEO’s Participant Advisory Council (PAC) program for guidance. This program, established in 2018, convenes groups of CEO alumni and participants to discuss their experiences, build community and solidarity, identify systemic challenges faced by people returning home from incarceration, and promote policies to improve their outcomes. CDI is partnering with a council formed in October 2021 to develop staff and participant interviews to capture the perspectives and reactions of program participants who receive these text messages. The interviews are focused on gaining a deeper understanding of why participants do or do not respond to the messages, and on how CEO can gain a broader array
of perspectives to identify areas for improvement. The goals of the interviews are to reduce confusion and motivate responses among more people with lived expertise. The council has been invaluable in building an understanding of how to combat courtesy bias and collect honest responses from participants. It has also guided CDI in considering how collaborating with participants might bring harm to them if it did not take account of the traumas that participants have experienced. For example, the CDI team needed to adjust some ingrained ways of using language and words that could inadvertently dehumanize or retraumatize participants by evoking memories of how they were treated while incarcerated.

**PUTTING HUMAN DIGNITY FRONT AND CENTER, SYSTEMATICALLY**

CDI’s approach to partnering with organizations keeps people with lived expertise at the center of its work, which in turn keeps its team of methodologists, data scientists, and experts in behavioral science focused on the goal of improving lives. In many of MDRC’s rigorous research studies, researchers have used interviews, focus groups, and surveys to provide more details than are available in participation or administrative data, or to enrich the story the numbers tell. But acknowledging the dignity of each practitioner or program participant also means listening to people with lived expertise early on and throughout the research process: from project design to data collection to data analytics to program improvement. It means reexaming each stage of the process (including what information is collected and used, and when, how, and why) to elevate the dignity of past, current, and prospective participants. Not involving people with lived expertise in the process puts projects at risk of compromising participant experiences in order to collect data expeditiously. Information on lived experience is crucial to ensure that program participants, who willingly allow their personal data to be used for evaluations or program-improvement purposes, are well informed and respected throughout the process, rather than becoming frustrated or being discouraged from making use of potentially valuable program services. Guidance from people with lived expertise improves data processing and analysis and the interpretation of findings, and allows researchers and program operators to heighten a program’s positive effects on participants while minimizing the risk of harm to them.
NOTES AND REFERENCES


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