



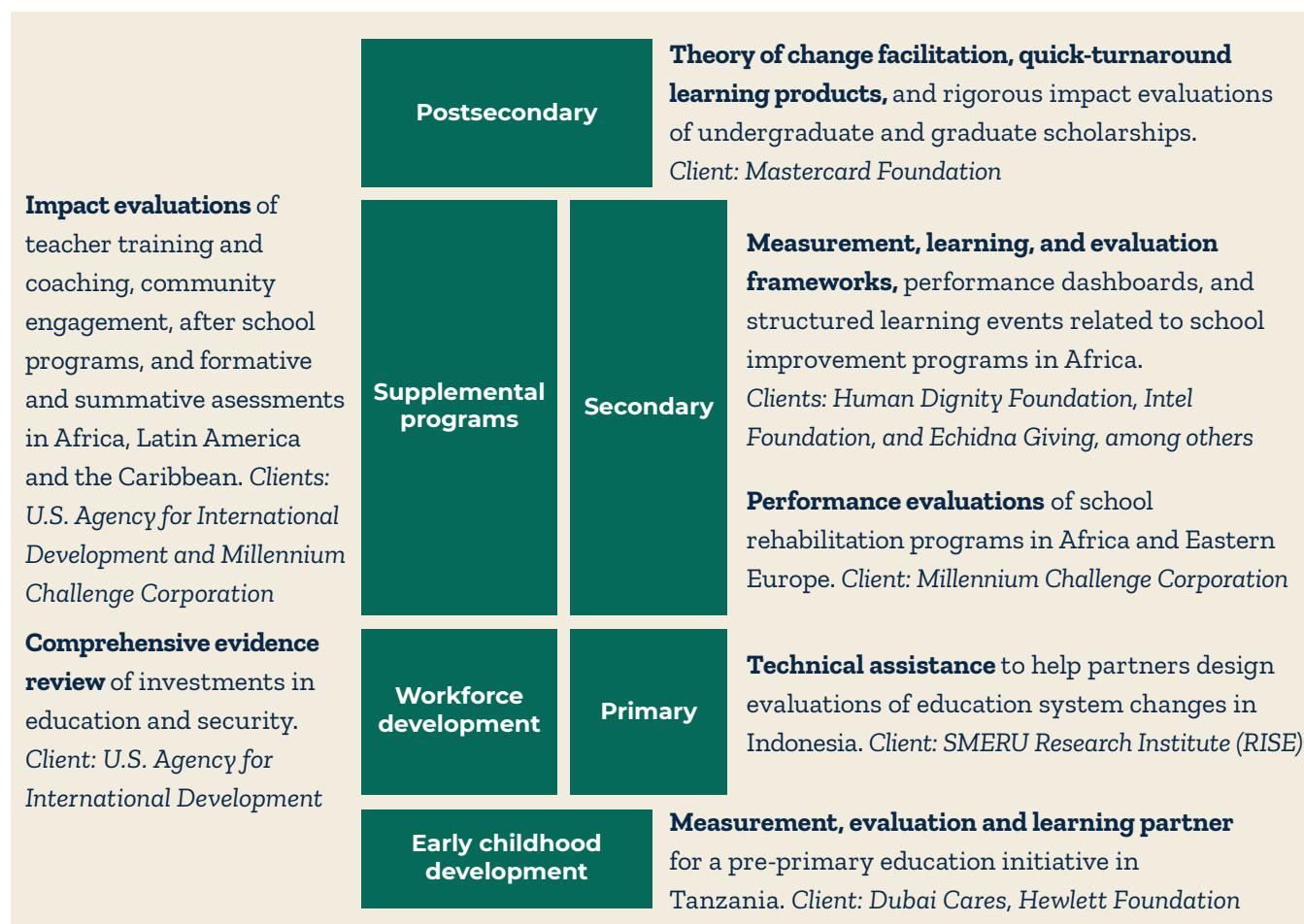
Mathematica

Progress Together



Education is transformational

Investing in education can give people the opportunity to discover their intellectual potential, participate in the global economy, and secure their livelihood. At Mathematica, we strive to identify, develop, and refine cost-effective models capable of scaling education benefits worldwide. Our international education researchers work closely with philanthropic, government, academic, and private-sector partners to set learning agendas, measure progress and impact, and inform decision making in real time. Through this work, we have helped advance the field across the spectrum from early childhood development to postsecondary education.



Our Services

We offer a full range of measurement, evaluation, and learning services. Our collaborative, flexible approach is tailored to partners' needs and the program context:

- **Measurement, learning, and evaluation frameworks and approaches.** We work side by side with our clients to craft evidence-based theories of change, prioritize learning questions, create monitoring dashboards, develop multilevel measurement and evaluation approaches, and generate actionable learning to inform strategy and decision making. Although we bring a well-established, sequenced approach to this work, our process has built-in flexibility to accommodate evolving strategies and changing priorities.
- **Rigorous, rapid-cycle, and strategic evaluation.** Mathematica's evaluation designs are built on creative and innovative uses of data and supported by a deep understanding of country context, programs, and policies. To answer our clients' questions, we use methods ranging from rigorous impact evaluations to rapid-cycle and developmental evaluation, performance assessments, and portfolio-level strategy reviews. Our recent studies address emerging issues in the sector—including innovative teacher training, 21st century skills, and educational systems change.
- **Modeling and real-time analysis.** Across a range of sectors, our data scientists use statistical modeling, Bayesian techniques, GIS mapping, and data visualization to predict and track program outcomes, set targets, and maximize small sample sizes to generate meaningful impact estimates. To accomplish this, we leverage education management Information system (EMIS) data, national formative and end-of-grade assessment data, early grade reading assessment (EGRA) data, and other primary and secondary data.
- **Technical assistance in measurement, learning and evaluation.** Mathematica has a long track record of giving technical assistance to clients and their partners to enhance their measurement and learning activities. We specialize in helping clients, grantees, and local partners develop their capacity to use monitoring and evaluation data to improve programs—for example, by using rapid-cycle evaluation and applying principles of behavioral science to select and refine program supports.
- **Learning products and events.** To help our partners make informed decisions about programmatic direction, we facilitate a variety of activities to translate evidence and promote learning. We also develop tailored evidence reviews and learning products for diverse audiences that distill complex phenomena into easy-to-understand findings and takeaways.



Let's Progress Together. Contact Matt Sloan at 202-484-4826 or msloan@mathematica-mpr.com; or Kimberly Smith at 609-945-3354 or ksmith@mathematica-mpr.com.

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