

LYDIA MALLEY

703-772-4824
Longmont, CO

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EDUCATION RESEARCH & PROGRAM MANAGEMENT SPECIALIST

Experienced professional with over 10 years leading large-scale education research projects, developing interactive data tools, and translating complex findings into clear, actionable insights. Skilled in coordinating cross-functional teams, managing reporting workflows, and supporting data-informed decision-making across schools and agencies. Proven ability to deliver high-impact products for diverse audiences, including policymakers, educators, and the public.

**Data Reporting • Visualization • Project Coordination • Client Engagement • Collaboration
Strategic Planning • Stakeholder Communication • Leadership
Technical Writing & Editing • Training • Policy Insight**

PROFESSIONAL EXPERIENCE

STUDY DIRECTOR / EDUCATION RESEARCH ANALYST

2015 – 2025

U.S. Department of Education - National Center for Education Statistics (NCES)

Trends in International Mathematics and Science Study (TIMSS)

International Computer and Information Literacy Study (ICILS)

- **Led U.S. participation in two international large-scale assessments (ILSAs)** with 20,000+ U.S. respondents comparing to 60+ countries, across study design, instrument development, data collection, and reporting.
- **Directed U.S. reporting for TIMSS and ICILS international assessments**, translating data into accessible, web-based reports, visualizations, and interactive tools for educators, policymakers, and the public.
- **Led cross-functional teams** to deliver data collection and high-impact national reports and presentations, driving public understanding of STEM education trends and global benchmarking performance.
- **Presented findings and prepared Director to present** on data releases, distilling key results for policy impacts, investment input, and public awareness, resulting in dozens of national media articles and video clips.
- **Oversaw design and functionality** of the International Data Explorer web tool, integrating user-centered improvements and expanding data use across national and international audiences.
- **Managed \$20M+ federal contracts** as a certified COR (Level II), ensuring technical compliance, risk mitigation, and high-quality vendor performance.
- **Served as U.S. National Research Coordinator**, collaborating with international psychometricians to resolve data collection and reporting challenges, and advising senior stakeholders on emerging research priorities.

PROJECT DIRECTOR / RESEARCH ANALYST

2011 – 2015

American Institutes for Research

- **Led reporting and analysis** for international studies, managing research, design, and analytics teams to produce accessible insights on global student achievement.
- **Led teams of researchers and experts** to refine survey items for cultural relevance, including a cognitive lab study to design an online reading assessment (ePIRLS), improving equity for diverse student populations.
- **Oversaw development and maintenance** of the International Data Explorer, executing QC protocols and coordinating across teams to ensure accuracy and usability.
- **Delivered training and technical assistance** to 100+ users, improving data literacy and adoption of interactive web-based reporting tools.
- **Promoted to internal leadership group**, supporting cross-functional project management initiatives focused on scheduling, tracking, and team coordination.

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PRIOR EXPERIENCE

GRADUATE SCHOOL COUNSELOR INTERN, DC Public Schools & George Washington University

SENIOR RESEARCH ASSISTANT, Child Trends

EDUCATION

Master of Arts, Education and Human Development

George Washington University

Bachelor of Arts, Psychology

College of William and Mary

TECHNICAL SKILLS & CERTIFICATIONS

Project Management

Contracting Officer's Representative (COR) Level II Certification; 30+ hours advanced PM training

Data Tools & Innovation in Reporting

Microsoft 365 (Excel, Word, Powerpoint); SPSS; IDB Analyzer; Designed interactive NCES reports

Remote Collaboration

Led distributed teams via Zoom, Teams, and Trello

Technical Evaluation

Technical evaluator for 50+ federal research proposals & 20+ small business innovation research proposals

Training

Cognitive Interviewer training; Statistics II - USDA Graduate School

SELECTED PRESENTATIONS & PUBLICATIONS

TIMSS 2023 U.S. Highlights Report Briefing

Presented to the Secretary of Education, White House staff, and Congressional offices.

National Center for Education Statistics, December 2024

NCES Report: <https://nces.ed.gov/timss/results23/index.asp>

What Do TIMSS and NAEP Tell Us About Gaps Between High-and Low-Performing 4th and 8th Graders?

RISE Webinar Series – American Institutes for Research, February 2021

<https://www.youtube.com/watch?v=c4J7wO58A8M>

Synthesizing NAEP and International Large-Scale Assessment Score Trends: A Pattern of Diverging Performance

Burg, S., Stephens, M., **Malley, L.**, & Fonseca, F. (2022)

American Institutes for Research, Washington, DC

<https://www.air.org/resource/report/synthesizing-naep-and-international-large-scale-assessment-score-trends-pattern>

U.S. Performance on the 2015 TIMSS Advanced Mathematics and Physics Assessments: A Closer Look

Provasnik, S., **Malley, L.**, Neidorf, T., Arora, A., Stephens, M., Balestreri, K., Herz, K., Perkins, R., & Tang, J.H. (2019)

National Center for Education Statistics (NCES 2020-051) <https://nces.ed.gov/pubs2020/2020051.pdf>