

# Chapter 17

## Ethical Challenges and Adaptive Solutions Regarding Support of Online Graduate Student Research in Regions with Limited Infrastructure

**Leilani Endicott**

*Walden University, USA*

**Jenny Sherer**

*Walden University, USA*

### **EXECUTIVE SUMMARY**

*Online graduate programs have a unique opportunity to serve students in global regions that have limited infrastructure (and thus fewer educational opportunities) due to remoteness, poverty, violent conflict, ideological values that might not necessarily support educational access for all people, or other reasons. In many cases, students in these regions feel a particularly urgent need to attain educational goals, obtain scientific training, and conduct research that can help improve conditions for their community. However, the same infrastructure limitations that make education and social research so desperately necessary (e.g., shortcomings in government, commerce, law enforcement) can also present barriers to the completion of a graduate program, especially one that involves original data collection. In the cases that follow, the authors discuss how the Western (especially North American) scientific research system can be adapted to better support the ethical and pragmatic challenges*

*of graduate students conducting research in regions with infrastructure limitations. The tension is that Western academic, regulatory, and procedural standards are sometimes prohibitive to the completion of studies in regions with conditions that limit the functioning and sustainability of the infrastructure that would normally provide a foundation for the collection and analysis of data. University faculty and staff must find ways to uphold the standards of science in a manner that is flexible and adaptive.*

## **ONLINE GRADUATE EDUCATION IN A GLOBAL CONTEXT**

### **Besides Convenience for the Learners, what are Some Benefits of Online Graduate Education to International Communities?**

With the shifting economy and workforce, increasing numbers of mid-career adults are enrolling in graduate programs to gain skills and knowledge that can help them advance into innovation and leadership roles in their chosen professions. With globalization, increasing numbers of people all over the world have the means and motivation to seek higher education. However, the mere desire and the financial resources to obtain an advanced degree cannot become realized if that person lives in an area that contains few institutions of higher education or lacks the necessary infrastructure to support such a system. While some are willing to relocate internationally to pursue graduate education, this option is simply not appealing or feasible for many others. For decades, many nations in the so-called “developing world” have fretted about the brain drain that results when bright individuals from poorer regions relocate to wealthier communities for education but then never return home, thus furthering disparities by clustering wealth, innovation, and leadership in the regions that [arguably] need them the least. While losing adolescents to overseas *undergraduate* programs can be detrimental to a community, the loss of midcareer professionals to overseas *graduate* programs is felt even more keenly by all sectors and negatively impacts the community’s innovation and leadership resources. However, the availability of *online* graduate education offers an opportunity for these mid-career professionals in regions with limited infrastructure to obtain otherwise unavailable education and skills, without necessarily abandoning their home communities that need them.

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