

## Chapter 37

# Data and Dialogue: Cultivating Transformative Change in Teacher Preparation Programs

**Diana B. Lys**

*University of North Carolina at Chapel Hill, USA*

**Mark L'Esperance**

*East Carolina University, USA*

**Ann Bullock**

*East Carolina University, USA*

**Ellen E. Dobson**

*East Carolina University, USA*

**Linda A. Patriarca**

*East Carolina University, USA*

**Elbert E. Maynard**

*East Carolina University, USA*

### ABSTRACT

*To present a reflective case study of the change process in a teacher preparation program engaged in an edTPA implementation. This chapter will highlight how one institution is using teacher performance data and faculty dialogue to develop new directions for program improvement and transformative change. Additionally, this chapter will also present critical self-reflections from key stakeholders related to transformative change.*

DOI: 10.4018/978-1-5225-7305-0.ch037

## **INTRODUCTION**

Demands for teacher education reform have intensified in the 21st century with increased calls for accountability, higher standards, and an expansion of the research base (Cibulka, 2009; Wilson & Youngs, 2005). Additionally, efforts to link K-12 student performance to teacher characteristics are growing (Darling-Hammond, 2010; Goe, 2007; Wayne & Youngs, 2003; Wilson, Floden, & Ferrini-Mundy, 2001) as more states connect K-12 student performance to teacher evaluations and teacher preparation programs. Value-added modeling (VAM) has been applied to P-12 education to determine teachers' contributions to student learning. Data generated from VAM direct teacher preparation programs about where to look in their units for strengths and weaknesses, but not how to address them. Teacher Preparation Programs need valid and reliable performance assessments to provide actionable data upon which programs can direct meaningful change.

This chapter shares experiences from a large-teacher producing institution seeking to positively impact change in its programs and provides other teacher preparation programs (TPPs) three models for creating venues to utilize teacher candidate performance assessment data, such as edTPA. Analysis of these venues and the reflections of key programmatic leaders on those venues demonstrate the power of performance data and dialogue to foster transformative change in TPPs.

## **Situational Context**

The need for change, for TPPs to improve candidate learning outcomes and positively impact K-12 student achievement, is evident (Diez, 2010; Henry, Purtell, Bastian, Fortner, Thompson, Campbell, Patterson, 2013). Yet organizational change in higher education is often a slow and challenging process (Ginsberg & Bernstein, 2011; Kezar, 2001; Schien, 1990). In this southeastern state, VAM data linking teachers' K-12 student achievement scores to their TPP were first available in 2011 (Carolina Institute for Public Policy, 2011). Required as a component of the teacher evaluation portion of the state's RTTT grant, the VAM data were presented to public institutions to digest. Criticisms of VAM methodology were raised by some teacher education faculty who dismissed it outright. As in other states, criticism of VAM targeted the models, the use of results, and citing blogs from Diane Ravitch (Ravitch, 2012) and others. Other faculty, while still considering VAM a sign of increased accountability and scrutiny on teacher preparation, decided to utilize it as a catalyst for change.

When viewed from a change-driven perspective, VAM data are helpful in determining which program graduates are making a positive impact on K-12 student achievement and those who are not, but VAM data do not answer the more important question: why? As a result, the Dean of the College of Education (DOE) pursued additional drill-down studies into the VAM data for the institution's graduates. Following the system-wide study – and influenced by the U.S. National Research Council (2010) study which found that TPPs lack evidence of what makes a novice teacher effective – the COE Dean initiated a series of drill-down studies, including validity and reliability analysis of all teacher candidate performance assessments at the institution. In this context, a drill-down study was a more focused analysis that sought to link K-12 student achievement to specific teacher candidate performance measures at the programmatic level. In doing so, analyses conducted at the university system level on pathways in teacher preparation (Henry, et al., 2014) were replicated at the program level using campus-developed assessments of teacher candidate readiness (Henry, et al., 2013). A powerful result of the drill-down studies was the analysis of the TPP's home-grown assessment of teacher candidate performance, including a

17 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage:

[www.igi-global.com/chapter/data-and-dialogue/215594](http://www.igi-global.com/chapter/data-and-dialogue/215594)

## Related Content

---

### Exploration of Push and Pull Factors Influencing the Graduate-Employer Relationship in Pakistan

Ammara Saleem, Shazia Humayun, Hadia Awan and Muhammad Kashif Nazir (2024). *Prioritizing Skills Development for Student Employability* (pp. 247-280).

[www.irma-international.org/chapter/exploration-of-push-and-pull-factors-influencing-the-graduate-employer-relationship-in-pakistan/340689](http://www.irma-international.org/chapter/exploration-of-push-and-pull-factors-influencing-the-graduate-employer-relationship-in-pakistan/340689)

### STEM Teaching and Learning via Technology-Enhanced Inquiry

Michael L. Connell and Sergei Abramovich (2018). *Teacher Training and Professional Development: Concepts, Methodologies, Tools, and Applications* (pp. 595-619).

[www.irma-international.org/chapter/stem-teaching-and-learning-via-technology-enhanced-inquiry/203195](http://www.irma-international.org/chapter/stem-teaching-and-learning-via-technology-enhanced-inquiry/203195)

### The Global Scholar: Challenges and Opportunities of Working With Transnational Faculty in Higher Education

Mei-Yan Lu, Michael T. Miller and Richard E. Newman (2018). *Teacher Training and Professional Development: Concepts, Methodologies, Tools, and Applications* (pp. 1672-1683).

[www.irma-international.org/chapter/the-global-scholar/203249](http://www.irma-international.org/chapter/the-global-scholar/203249)

### Making Sense of the Relationship Between Organizational Socialization and Employability

Denise Gates (2024). *Advancing Student Employability Through Higher Education* (pp. 109-145).

[www.irma-international.org/chapter/making-sense-of-the-relationship-between-organizational-socialization-and-employability/338016](http://www.irma-international.org/chapter/making-sense-of-the-relationship-between-organizational-socialization-and-employability/338016)

### Upskilling Graduates and Young Professionals Through Entrepreneurship Programmes in South Africa

Ndwakhulu Stephen Tshishonga (2022). *Promoting Entrepreneurship to Reduce Graduate Unemployment* (pp. 97-119).

[www.irma-international.org/chapter/upskilling-graduates-and-young-professionals-through-entrepreneurship-programmes-in-south-africa/303872](http://www.irma-international.org/chapter/upskilling-graduates-and-young-professionals-through-entrepreneurship-programmes-in-south-africa/303872)