

Teaching to Advance Health Equity through the Quintuple Aim for Health Care Improvement Framework

Jennifer Bhuiyan, PharmD, MPH¹; Sharon Connor, PharmD²; Christine Chim, PharmD, BCACP¹; Devra K. Dang, PharmD, CDCES, FNAP³; Abby A. Kahaleh, PhD, MS, BPharm, MPH, FAACP⁴; Rakhi Karwa, PharmD, BCPS⁵; Katie F. Leslie, PhD, MS⁶

1. St. John's University College of Pharmacy and Health Sciences, Queens, NY; 2. University of Pittsburgh School of Pharmacy, Pittsburgh, PA; 3. University of Connecticut School of Pharmacy, Storrs, CT; 4. Roosevelt University College of Science, Health & Pharmacy Schaumburg, Chicago, IL; 5. Purdue University College of Pharmacy, West Lafayette, IN; 6. Sullivan University College of Pharmacy and Health Sciences, Louisville, KY

Background

- Health care is complex and impacted by upstream influences that lead to health disparities.
- Pharmacists must be equipped and ready to promote health equity.
- The Quintuple Aim considers key constructs that impact health equity.¹⁻³



Objective

- To apply the Quintuple Aim framework to courses that promote health equity in pharmacy education.

Methods

- An existing repository of Social Determinants of Health exemplars was utilized.
- The existing exemplar data set was mapped to the Quintuple Aims for Healthcare Improvement.

Results

Exemplar Institutions	Activities	Reducing Costs	Enhancing Care Experience	Improving Population Health	Clinician Well-Being	Health Equity
Auburn University	Case-based activities with application in experiential curricula	X	X		X	X
Cedarville University	Lecture, active learning event series, and written reflections		X			X
Roosevelt University	Lectures and Healthy People 2030 group project	X	X	X		X
South Dakota State University	Lectures and “The Last Straw” board game, debrief	X	X	X		X
Sullivan University	Lecture, active learning event series, and written reflections			X		X
Temple University	Lecture, Healthy People 2030 group project, engagement with community health worker, reflections	X	X	X		X
University of Connecticut	Longitudinal Urban Service Track: interprofessional, learning retreats, community outreach to vulnerable populations, student-led interest groups, student wellness community	X	X	X	X	X
University of Pittsburgh	Full course, poverty simulation, inclusion medicine practicum, reflection	X	X	X		X

Discussion

- Systemic change and holistic patient care require innovative teaching strategies.
- The eight courses/programs highlight most of the aims
- All course/programs covered Health Equity concepts.
- 75% covered Reducing Costs.
- 87.5% included Enhancing the Care Experience.
- Only 25% covered Clinician Well-Being.

Conclusion

- The majority of exemplars included the Quintuple Aims such as health equity, enhancing the care experience, reducing costs and improving population health.
- More work is needed to address workforce wellness.

References

- Berwick DM, Nolan TW Whittington J. The triple aim: care, health, and cost. *Health Aff.* 2008;27(3):759-769. doi:10.1377/hlthaff.27.3.759
- Bodenheimer T, Sinsky C. From triple to quadruple aim: care of the patient requires care of the provider. *Ann Fam Med.* 2014;12(6):573-576. doi:10.1370/afm.
- Nundy S, Cooper LA, Mate KS. The Quintuple Aim for Healthcare Improvement: a new imperative to advance health equity. *JAMA.* 2022;327(6):521-522. doi:10.1001/jama.2021.25181