Supplemental Digital Content, Figure. Logic Model for Population Health Simulation Innovation using NLN Jeffries Simulation Framework

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| Population Health Student Outcomes | Participants | Simulation Design | Educational Activities | Student Outcome Measures |
| Provide culturally competent care to address social determinants/health disparities.Advance behavioral changes in self-management of chronic illnesses.Facilitate transitions in care.Promote a culture of health, prevent disease, and utilize community resources.Contribute to meaningful use data to recognize care gaps.Utilize electronic health record (EHR) for quality, safety, and evidence-based best practices. | *Project Team** Director
* Co-director
* Clinical partner
* Faculty experts
* Research assistants
* External consultant

*Courses** Adult Health I & II
* Pediatrics
* Community (both cases)

*Student participants** Generic
* Second degree

*Faculty facilitators** Didactic
* Clinical
* Simulation team

*Campuses** North
* Central
* South

*Semesters** Fall 2016
* Spring 2017
 | *Unfolding adult and pediatric cases:** Faculty/student guide (5)
* Videotaped simulated patient encounter (VSE) (5)
* High fidelity simulation (HFS) (5)

*Fidelity** De-identified patient charts
* Educational EHR
* Population health resources (eg, videos, county/state data)
* Scripts/cues for roles

*Support** Faculty/student orientation: in person, video, activities checklist
* Ongoing communication

*Debriefing* * Structured questions
 | *Didactic VSE** Student guide pre-assignment (1-2 hrs), including:
	+ VSE (7-15 mins)
	+ Activities (eg, care plan)
	+ Resources
* Faculty guide, including:
	+ VSE discussion & debriefing (1.25-1.5 hrs)

*HFS** Student guide pre-assignment (1-2 hrs), including:
	+ Activities (eg, online modules)
	+ Resources
* Faculty guide, including:
	+ Pre-briefing (1 hr)
	+ Simulation (2 hrs)
	+ Debriefing (1 hr)
 | *Population health outcomes*a* Post VSE discussion/HFS evaluation surveys (10 mins)

*Cultural competence*b* Inventory for Assessing the Process of Cultural Competence Among Healthcare Professions-Student Version (IAPCC-SV©): Pretest/posttest (10 mins)

aCompleted by students/facultybCompleted by students |