

KANSAS CITY METROPOLITAN HEALTHCARE COUNCIL ST. LOUIS METROPOLITAN HOSPITAL COUNCIL

REGIONAL OFFICES OF THE KANSAS AND MISSOURI HOSPITAL ASSOCIATIONS

June 26, 2017

Board of Directors
Missouri State Board of Nursing
3605 Missouri Blvd.
Jefferson City, MO 65109

Dear Members of the Board:

I am pleased to submit the 2016-2017 annual report of the Workforce Collaborative Pilot Project, conducted in the Kansas City and St. Louis metropolitan areas.

The report represents the work of the Healthcare Workforce Partners and is being submitted by the Kansas City Metropolitan Healthcare Council and the St. Louis Metropolitan Hospital Council — the entities that provide staff support to the collaborative initiatives. Healthcare Workforce Partners is a collaboration of area nursing schools, hospitals and other organizations interested in promoting health care careers. The report covers the summer semester 2016 through the spring semester 2017.

In the twelfth full year of the Workforce Collaborative Pilot Project, we have continued making progress in meeting our three objectives:

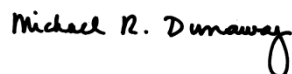
- expand the pool of master's prepared nurses involved in educating the next generation of nurses
- increase nursing school enrollments
- evaluate innovative educational models that could be sustained or replicated

The annual report summarizes the project background, objectives and outcomes, evaluations, and conclusions. From each of the measurable parameters, our collaborative initiative appears to have a very positive impact on producing significant numbers of new, qualified clinical faculty to meet the needs of nursing schools' expanded enrollments.

Included with this report are NCLEX pass rate data obtained from the state boards of nursing in Illinois, Kansas and Missouri. Assessment of prior year NCLEX scores indicates current student performance has not been affected due to the use of loaned faculty through the expansion initiative.

On behalf of all the stakeholders, we appreciate the approval of the State Board of Nursing to conduct this demonstration project. Should you have any questions, please do not hesitate to contact me at 913/327-7200 or mdunaway@mhanet.com.

Sincerely,



Michael R. Dunaway
Senior Vice President

mrd/bb

enclosure

WORKFORCE COLLABORATIVE PILOT PROJECT
Expanding Clinical Faculty and Increasing Nursing School Enrollments
Kansas City and St. Louis

Annual Report 2016-17

INTRODUCTION

This annual report is submitted to the Missouri State Board of Nursing by the Missouri Hospital Association to provide outcomes and details regarding the Nurse Expansion Initiative in the metropolitan areas of Kansas City and St. Louis. This twelfth annual report provided to the Board reviews the 2016-17 academic year.

The report summarizes data collected by Kansas City and St. Louis hospital association staff from participating nursing schools, hospitals and individuals who attended the Clinical Faculty Academy. Through this Workforce Collaborative Project, the number of available clinical faculty has increased, assisting in the expansion of nursing programs in these locales. A list of participating hospitals and schools of nursing is provided in Appendix A.

The majority of this report describes the same type of information previously provided to the Board. For the sixth year, hospital association staff used Survey Monkey, an online survey tool, to collect data directly from individuals who participate in the initiative. The feedback and information from Academy attendees has provided additional insights into the impact of this collaborative project.

BACKGROUND

The Nurse Expansion Initiative began in Kansas City in 2004 and was adopted by St. Louis the following year. It evolved from a series of communitywide meetings on the growing nursing shortage. Schools of nursing identified difficulty finding clinical faculty as the primary barrier to expanding enrollment. The Workforce Collaborative Pilot Project was subsequently launched with three key objectives:

- Expand the pool of master's prepared nurses involved in educating the next generation of nurses.
- Increase nursing school enrollments.
- Evaluate innovative educational models that could be sustained or replicated.

At the program's inception, hospitals committed to provide staff nurses as clinical faculty and also contributed seed money for the project. Nursing schools designed a two-day Clinical Faculty Academy to help prepare nurses for their role as clinical instructors and implemented changes needed to increase enrollments.

In August 2004, the Educational Standards Committee approved a proposal submitted by Kansas City area nursing schools to expand the availability of clinical faculty. This approval granted participating Kansas City schools a regulatory exemption which allowed bachelor-prepared registered nurses to teach clinical education in a baccalaureate nursing program if they were making progress toward a master's degree in nursing and attended the two-day Clinical Faculty Academy. The Board approved St. Louis' participation in the project in June 2005. The demonstration project was initially approved for a five-year period and was granted an extension by the MSBN in 2009. In 2014, the MSBN approved another five-year extension.

As a result of the success of the Kansas City and St. Louis academies, two other program sites have opened across the state in Columbia and Springfield. The hospital association staff coordinated the Central Missouri Clinical Faculty Academy at Boone Hospital in July 2016 with 36 attendees. The CFA was last held in Central Missouri at the University of Missouri-Columbia in 2011 and 2012 at the request of the MSBN. In 2017, the CFA is scheduled for June 21 and 22, at the University of Missouri Health Care Quarterdeck Building.

The first annual Southwest Missouri Clinical Faculty Academy was held in Springfield, August 2015 with 57 attendees. The academy was held again in 2016 and is scheduled for August 1 and 2, 2017, at Cox College. Like the Kansas City and St. Louis CFAs, both the Central Missouri and the Southwest Missouri CFAs continue to be offered at no cost to participants or schools of nursing. Costs are underwritten by MHA or its subsidiary.

CLINICAL FACULTY ACADEMY

Since August 2004 in Kansas City and August 2005 in St. Louis, MHA staff and school of nursing steering committees have worked together to arrange two clinical faculty academies per year in each metropolitan area. The Academy provides new clinical instructors resources to support them in their roles as educators. The Academy supplements the support provided by each nursing school for its instructors. Lists of Kansas City and St. Louis academy attendees are included in Appendix B and Appendix C, respectively.

Participant evaluations of the Academy have been excellent. Copies of the program evaluation scores for the two academies held in the past year are included in Appendix D (Kansas City) and Appendix E (St. Louis).

Attendance for the period of this report remained strong. The table below shows the number of participants from the last two academic years.

Table 1: CFA Attendance by Metropolitan Area Last Two Academic Years

	Kansas City	St. Louis
August 2015	64	56
January 2016	44	46
August 2016	66	53
January 2017	53	74

NURSING SCHOOL ENROLLMENTS

Throughout the duration of this demonstration project, schools of nursing have increased the number of nurses enrolled in their programs. A list of each school’s new enrollments, graduation numbers and projected enrollments is included in Appendix F (Kansas City) and Appendix G (St. Louis).

Schools have sustained increased enrollments. Based on the pilot program’s original goals, schools in both metropolitan areas are working diligently to meet these objectives.

Table 2: Progress Toward Enrollment Target Goals by Metropolitan Area

	Kansas City	St. Louis
Objective (Target Goal)	Increase enrollment by 200 additional nursing students enrolled each year	Increase enrollment by 335 additional nursing students enrolled each year
Status (Progress Toward Target)	601 additional new students were enrolled in 2016-17 for a total of 1,610 new students in 2016-2017.	387 additional new students* were enrolled in 2016-17 for a total of 1,606 new students in 2016-2017.

Source: Inquiry of Kansas City and St. Louis Metropolitan Schools of Nursing

* *Kaskaskia College no longer provides enrollment and graduation data. When this school is removed from the baseline year calculation, the number of additional students enrolled is 467.*

PARTICIPANT DATA

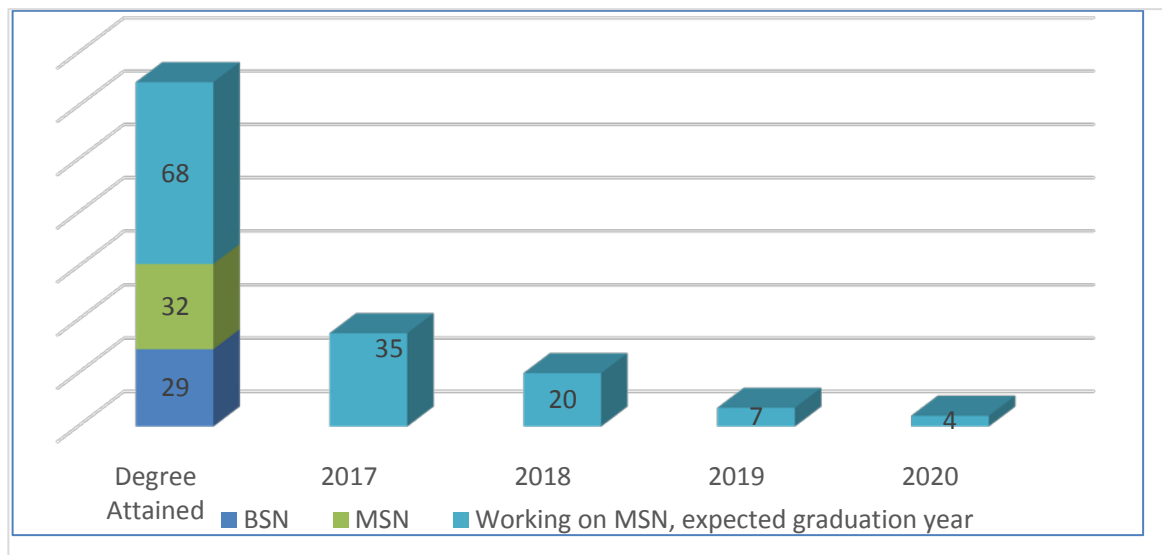
Surveying Academy participants directly has increased the amount of data available to better understand the demonstration project’s progress.

Of the possible 299 respondents that attended the Academy, 141 completed the online survey (about 47 percent). The response rate of Academy attendees in Kansas City and St. Louis were similar. In Kansas City, 59 of 119 attendees completed the survey (50 percent) and 64 of 127 completed the survey in St. Louis (50 percent).

Attendees were asked to indicate their current level of education and expected graduation date if working towards a master’s degree in nursing.

Table 3 indicates that a majority of Academy participants are working toward a master’s degree in nursing, with 35 expected to graduate by the end of 2017.

Table 3: Educational Attainment of CFA Attendees

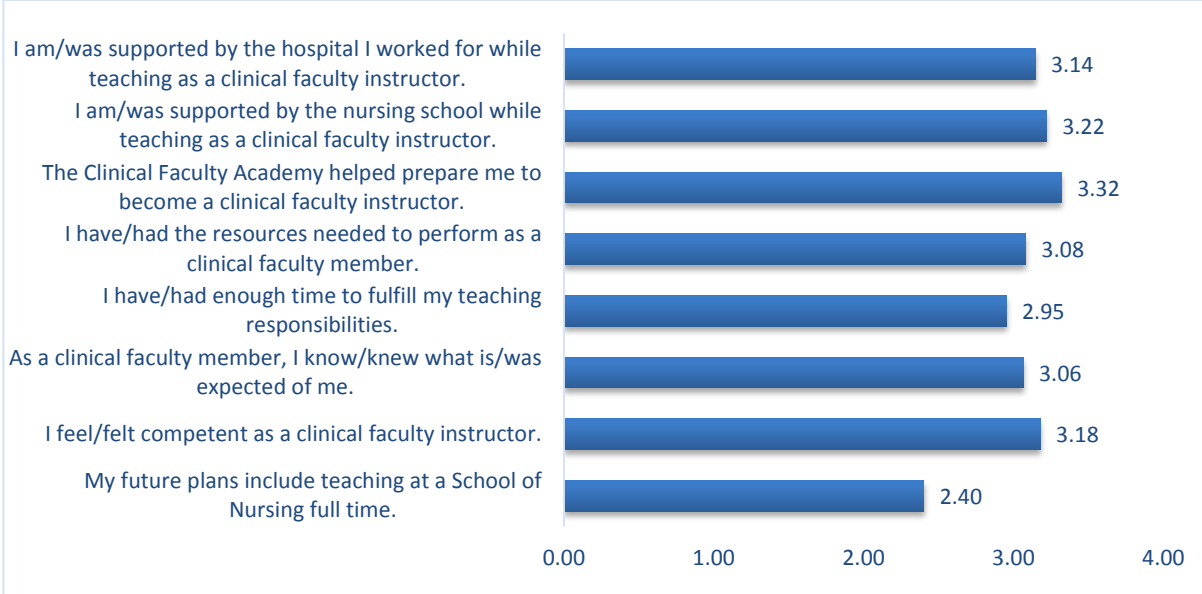


Source: MHA Clinical Faculty Academy Survey

Participants were asked a number of questions related to their future plans and satisfaction with the Academy and teaching. Questions were answered on a Likert scale (strongly agree, agree, neutral, disagree and strongly disagree) and were converted to numerals (see next page).

Likert Response	Corresponding Numeral
Strongly Agree	4
Agree	3
Neutral	2
Disagree	1
Strongly Disagree	0

Table 4: Mean Score for Selected MHA Clinical Faculty Academy Survey Questions

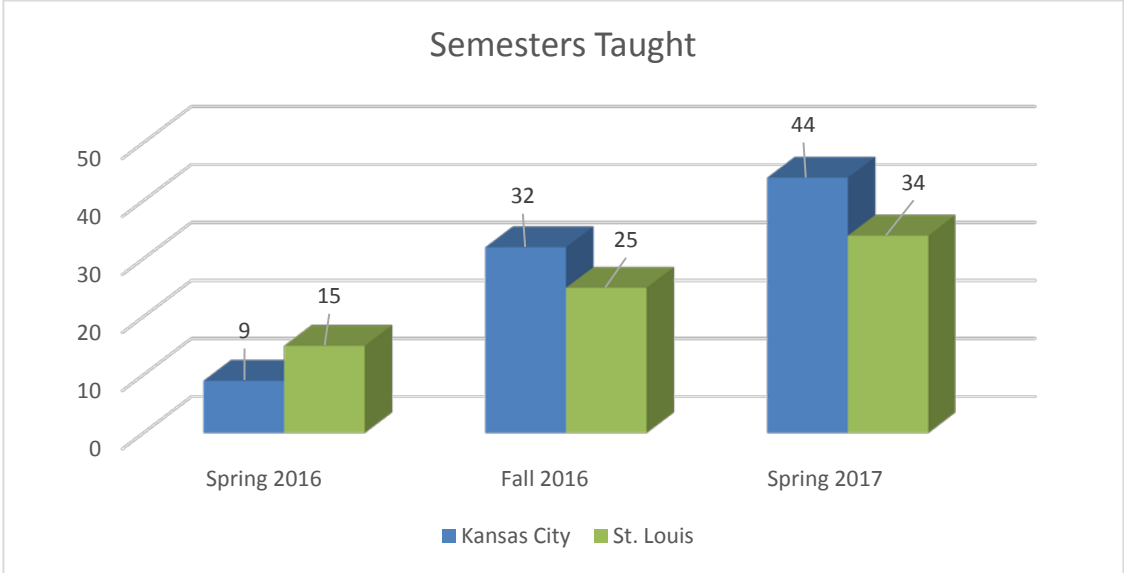


Source: MHA Clinical Faculty Academy Survey

CLINICAL ROTATION DETAILS

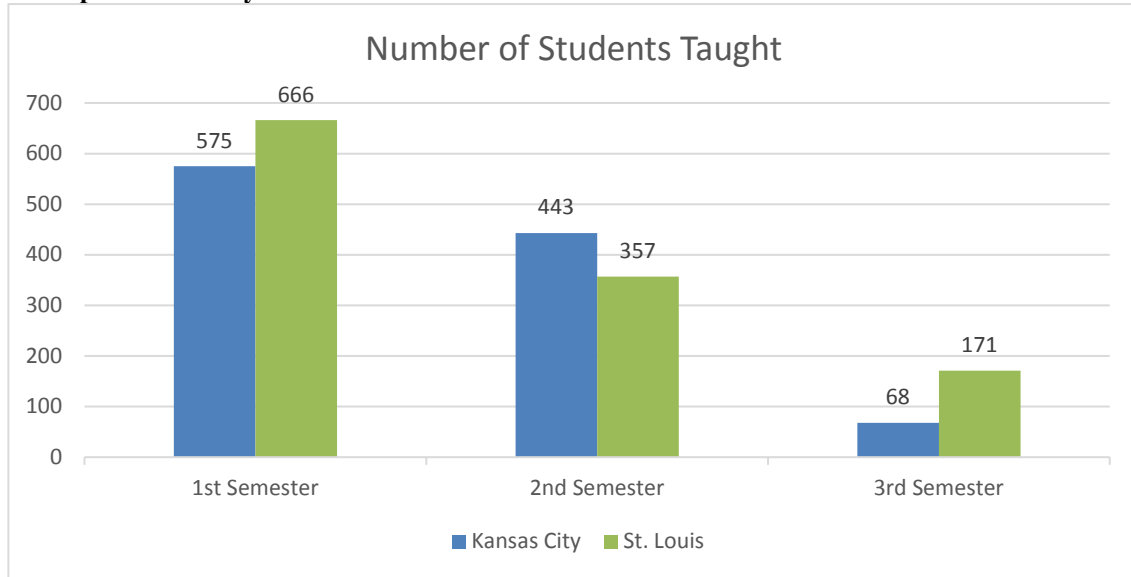
The survey also gathered the number of clinical rotations and students taught by Academy participants in each metropolitan area.

Table 5: Number of Rotations by Metropolitan Area by Academic Year



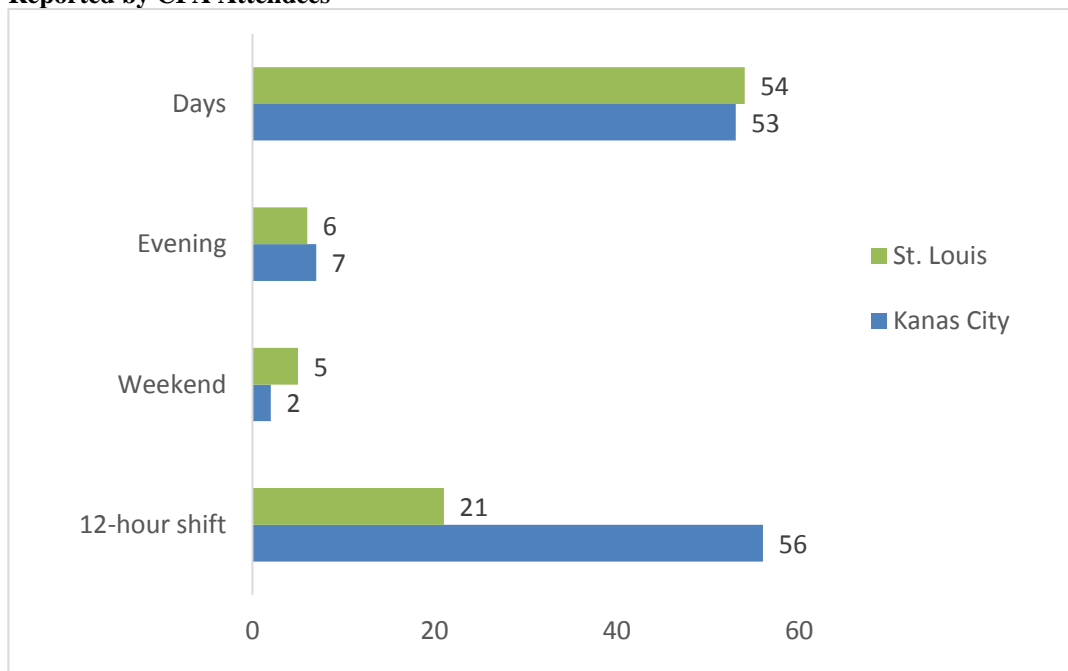
Source: MHA Clinical Faculty Academy Survey

Table 6: Number of Students Taught by Reporting CFA Attendees by Metropolitan Area by Academic Year



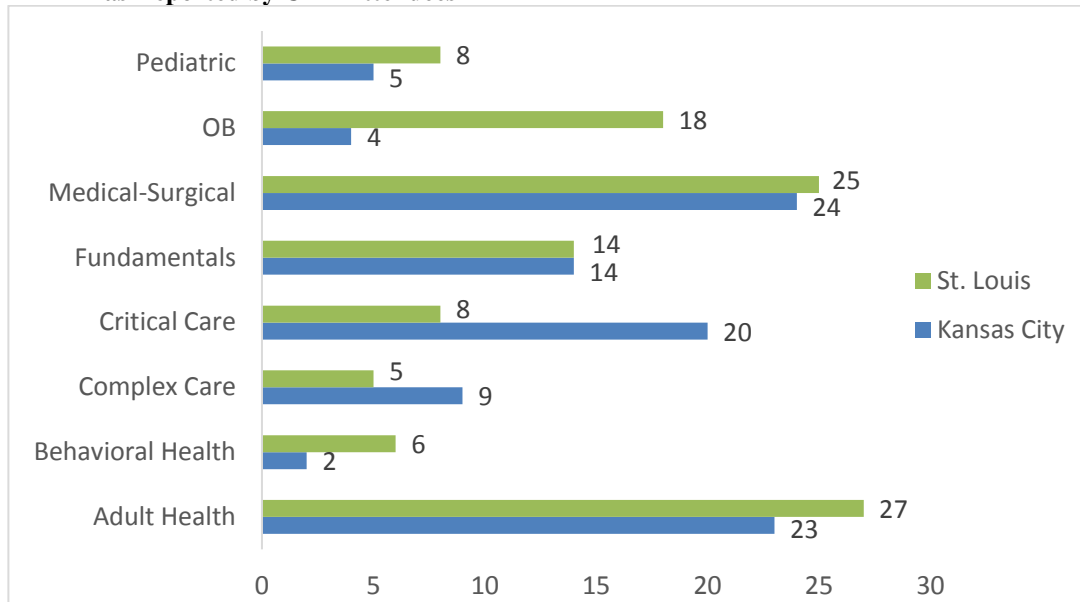
Source: MHA Clinical Faculty Academy Survey

Table 7: Number of Clinical Rotations Taught by Shift and Metropolitan Area as Reported by CFA Attendees



Source: MHA Clinical Faculty Academy Survey

Table 8: Type and Number of Clinical Rotations Taught by Metropolitan Area as Reported by CFA Attendees



Source: MHA Clinical Faculty Academy Survey

In addition to compiling more detail about adjunct clinical faculty rotations, participants also provided estimates of the number of hours per week spent on related faculty activities.

Table 9: Average Number of Hours Per Week Spent on Preparation, Grading and Communication, as Reported by CFA Attendees

	Preparation	Grading	Communication
Kansas City	2.13	3.51	1.24
St. Louis	3.92	4.36	2.87
Average	2.96	3.90	1.98

Source: MHA Clinical Faculty Academy Survey

NCLEX SCORES

NCLEX scores indicate that student performance has not been affected because of the use of loaned faculty through the expansion initiative. Appendices H and I show the NCLEX pass rates for participating schools in Kansas City and St. Louis for at least two years prior to the start of the initiative and the years following the start of the initiative.

FINANCIAL RELATIONSHIPS

The regulatory waiver granted by the Board of Nursing has been instrumental in expanding the availability of clinical faculty. Over time, the financial relationships between schools and adjunct faculty have evolved, with schools contracting directly with adjunct clinical faculty rather than working through the hospital.

Asked which entity (hospital or school) compensates the respondent for adjunct clinical faculty work, 141 individuals responded. Forty-three indicated they were compensated directly by the school of nursing.

We speculate that both the schools and hospital-employed adjunct clinical faculty prefer this reimbursement model. For schools, it offers greater control and integration with their full-time faculty; and the hospital-employed nurses are able to pick up additional paid hours as clinical instructors.

One additional observed trend is the movement of hospitals toward hiring bachelor-level nursing graduates due to the increased patient acuity and movement toward ANCC Magnet Recognition Program®. We expect to see an increase in enrollment over time in bachelor's programs, as well as increased interest in BSN bridge programs.

ANNUAL REPORT DISSEMINATION

The information in this annual report is shared with hospital and nursing school communities each year. In Kansas City, the information in the 2015-16 annual report was shared at the June 10, 2016, joint meeting of the Collegiate Nurse Educators of Greater Kansas City (CNE) and the Kansas City Area Nurse Executives (KCANE). In St. Louis, a joint meeting of hospitals and nursing schools was held September 28, 2016, to review the data compiled throughout the initiative.

CONCLUSION

The Nurse Expansion Initiative continues to play an important role as Kansas City and St. Louis hospitals have increased the number of new graduate nurses they are hiring this year. The initiative has evolved over time and has contributed to better working relationships between hospitals and schools of nursing. Enrollment in both metropolitan areas has increased over the term of the initiative, which has been successful in expanding opportunities for nurses who would not have ordinarily been qualified to teach clinical education in a baccalaureate-nursing program.

**St. Louis and Kansas City
Nursing Schools and Hospitals**

Appendix A

Kansas City

St. Louis

Nursing Schools

Avila University
Graceland University
Johnson County Community College
Kansas City Kansas Community College
Metropolitan Community College - Penn Valley
MidAmerica Nazarene University
Missouri Western State University
National American University
Park University
Research College of Nursing
Saint Luke's College
University of Central Missouri
University of Kansas
University of Missouri-Kansas City
University of Saint Mary
William Jewell College

Hospitals

Belton Regional Medical Center
Centerpoint Medical Center
Children's Mercy Kansas City
Lee's Summit Medical Center
Liberty Hospital
Menorah Medical Center
North Kansas City Hospital
Olathe Medical Center
Overland Park Regional Medical Center
Providence Medical Center
Research Medical Center
Saint Luke's East - Lee's Summit
Saint Luke's Hospital of Kansas City
Saint Luke's North Hospital
Saint Luke's South Hospital
Shawnee Mission Medical Center
St. Joseph Medical Center
St. Mary's Medical Center
Truman Medical Center, Hospital Hill
Truman Medical Center, Lakewood
University of Kansas Hospital

Nursing Schools

Chamberlain College of Nursing
East Central College - Union
Goldfarb School of Nursing at Barnes Jewish
Jefferson College - Hillsboro
Kaskaskia College - Centralia, IL
Lewis and Clark Community College - Godfrey, IL
Lutheran School of Nursing
Maryville University School of Nursing
Saint Louis University School of Nursing
Southwestern Illinois College - Belleville, IL
University of Missouri-St. Louis College of Nursing

Hospitals

Alton Memorial Hospital
Anderson Hospital
Barnes-Jewish Hospital
Barnes-Jewish St. Peters Hospital
Barnes-Jewish West County Hospital
CenterPointe Hospital
Christian Hospital
Des Peres Hospital
Kindred Hospital St. Louis
Mercy Hospital Jefferson
Mercy Hospital St. Louis
Mercy Hospital Washington
Missouri Baptist Medical Center
Progress West Hospital
Ranken Jordan Pediatric Bridge Hospital
SSM Health Saint Louis University Hospital
Shriner's Hospitals for Children
SSM Health Cardinal Glennon Children's Hospital
SSM Health DePaul Hospital – St. Louis
SSM Health St. Clare Hospital – Fenton
SSM Health St. Joseph Hospital – Wentzville
SSM Health St. Joseph Hospital – St. Charles
SSM Health St. Mary's Hospital – St. Louis
St. Alexius Hospital
St. Anthony's Medical Center
HSHS St. Elizabeth Hospital
St. Louis Children's Hospital
St. Luke's Hospital