Jump Simulation: A 10-Year Economic Impact Analysis



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> The Project Team Joshua Lewer Andy Ngwaba

I. EXECUTIVE SUMMARY

Operating since 2012, Jump Simulation is one of the nation's leading healthcare simulation centers. In collaboration with OSF HealthCare and the University of Illinois College of Medicine Peoria, Jump serves as a medical education, innovation, and research hub. Jump has had a significant monetary impact on the Peoria area and several other regions in Illinois because its activities create jobs, labor income, and economic value. However, its most significant effects are tangible improvements to healthcare outcomes, the quality of healthcare education, and healthcare delivery efficiency and effectiveness.

From an economic standpoint, Jump Simulation benefits the areas where it operates economically and in non-economic ways. The presence of the Center enhances the economy by creating jobs and commerce, medical education and training, and research, innovation, and grant activity. This study calculates that the economic benefits of Jump Simulation over the ten-year ramping period of 2013-2022 are estimated to be roughly \$103 million, with significant employment creation resulting from that activity. Including the original 2012-2013 construction expenditures for the entire physical building into our analysis, the total economic impact is \$180 million in 2023 dollars with more than 1,000 jobs created.

For more information regarding the Jump Trading Simulation and Education Center, contact Dr. John Vozenilek at <u>John.A.Vozenilek@jumpsimulation.org</u>. For more information regarding this economic impact report contact Dr. Joshua Lewer at <u>jlewer@bradley.edu</u> or Dr. Andy Ngwaba at <u>cngwaba@bradley.edu</u>.

II. JUMP'S QUANTIATIVE ECONOMIC IMPACTS

Jump Simulation has had a substantial quantitative impact on the economic system it operates. This study uses the following 11 counties as the impact areas because Jump has a significant presence: Champaign, Fulton, Knox, Marshall, McLean, Peoria, Tazewell, Stark, Stephenson, Winnebago, and Woodford. Total effects from Jump's construction and ongoing operations for the decade 2013-2022 total an estimated \$103,149,924. These are cumulative impacts of direct, indirect, and induced regional spending associated with the facility. Definitions to note include:

- Direct effects are the effects from labor wages and direct purchases of Jump Simulation,
- Indirect effects are supply chain oriented that end up stimulating production in the supply chain, and
- Induced effects originate from Jump employees' take-home pay and their consumption effects on the local economy.

Using IMPLAN's input-output methodology and program, we calculate Jump's overall multiplier at roughly 1.49, meaning that for every \$1 Jump spends, it is associated with \$1.49 of economic activity once all factors throughout time are accounted for. The multiplier size is typical for medical-related centers.

Operational Economic Impact

As mentioned above, this study examines the first ten years of Jump activities; however, it is important to point out that Jump has yet to approach its long-run total operating capacity. The detailed budgets are provided in Table A.1 in the appendix. Because direct operational expenditures on personnel-related cost categories are expected to be local, a 100% local capture ratio for personal-related expenditures was selected for the analysis. For construction expenditures related to the buildout of the third and fourth floors in 2017 and 2018, an 87.5% capture rate was selected based on default values provided by the IMPLAN model and its industry and demographic analysis of the active areas. (IMPLAN, 2023).

The next several tables and figures report the economic impacts of Jump Simulation. Table 1 and Figure 1 report the total economic or output impact from ongoing operations, including operational expenditures, grant activities, medical training events, and related construction that took place in 2017 and 2018. Notice that the output effects in the impacted areas vary significantly due to grant and construction expenditures, but the trend is positive as the facility increases its expenditures over time. Starting in 2013, the center's economic impact was \$2.6 million, increasing to \$10.4 million by 2022.

	2013	2014	2015	2016	2017
Direct Effect	\$1,729,551	\$7,353,911	\$4,197,540	\$6,657,919	\$13,187,441
Indirect	\$280,099	\$1,140,819	\$649,488	\$1,083,988	\$6,852,897
Effect					
Induced	\$596,956	\$2,660,652	\$1,559,014	\$2,521,733	\$3,271,294
Effect					
Total	\$2,606,606	\$11,155,382	\$6,406,043	\$10,263,641	\$23,311,632
	2018	2019	2020	2021	2022
Direct Effect	\$5,996,830	\$6,109,837	\$6,227,112	\$6,780,310	\$6,677,671
Indirect	\$1,390,867	\$930,596	\$1,047,622	\$998,165	\$983,055
Effect					
Induced	\$2,092,242	\$2,393,243	\$2,354,252	\$2,733,096	\$2,691,723
Effect					
Total	\$9,479,938	\$9,433,676	\$9,628,986	\$10,511,570	\$10,352,449

Table 1:Operational Impact: Total Output



Figure 1: Operational Impact: Total Output

Total labor income also increased as annual employment levels grew over time. This income is generated primarily from the direct employment expenditures and the induced effects of Jump Simulation employees on the area under study. Total direct, indirect, and induced labor income was estimated at e \$44.6 million, growing from \$1.1 million in 2013 to \$4.9 million by 2022; see Table 2 and Figure 2 for more details. This growth pattern is directly affected by the rate at which Jump's employment grows as well.

	2013	2014	2015	2016	2017
Direct Effect	\$871,705	\$3,808,495	\$2,213,069	\$3,490,042	\$5,148,790
Indirect	\$72,802	\$291,978	\$168,954	\$279,119	\$2,068,773
Effect					
Induced	\$190,259	\$841,077	\$496,611	\$791,003	\$1,006,113
Effect					
Total	\$1,134,766	\$4,941,550	\$2,878,634	\$4,560,164	\$8,223,677
	2018	2019	2020	2021	2022
Direct Effect	\$2,937,554	\$3,357,551	\$3,473,285	\$3,929,659	\$3,870,173
Indirect	\$372,492	\$224,275	\$268,763	\$259,473	\$255,545
Effect					
Induced	\$642,025	\$726,886	\$762,145	\$876,815	\$863,542
Effect					
Total	\$3,952,071	\$4,308,712	\$4,504,192	\$5,065,947	\$4,989,260

Table 2:Operational Impact: Labor Income

Figure 2: Operational Impact: Labor Income



The last quantitative analysis variable is the number of full-time jobs created. Table 3 and Figure 3 report the annual employment effects, or full-time job years, created from Jump Simulation's decade-long activities. Total full-time job years created over the 10 years was substantial at 608.

Jump Simulation's operations expenditures increased with a mixture of staffing levels from part-time to full-time, which can be observed in the direct effect row as fulltime FTEs. As mentioned above, the indirect and induced employment effects are generated from other indirect expenditures, supply chain stimulation, and employee spending effects. It is important to note that since the economic activity took place in the 11-county area, job creation also took place in those counties. In 2013, Jump increased employment in the areas studied by 37. By 2022, Jump operations accounted for 70 fulltime jobs.

	2013	2014	2015	2016	2017
Direct Effect	31	31	32	32	34
Indirect Effect	2	7	4	7	37
Induced Effect	4	18	11	17	22
Total	37	57	46	56	93
	2018	2019	2020	2021	2022
Direct Effect	37	41	41	44	48
Indirect Effect	8	5	6	5	5
Induced Effect	14	15	15	17	17
Total	58	62	63	67	70

Table 3:Operational Impact: Employment



Figure 3: Operational Impact: Employment

III. JUMP'S QUALITATIVE ECONOMIC IMPACTS

Jump's Purpose

The qualitative healthcare effects of Jump are much more significant in magnitude than the quantitative economic impacts because they have had strategic and long-lasting effects on medical education. These effects have changed how medicine is practiced in ways we can be proud of. Jump has been a leader in this revolution that in the future new simulation-based methods of medical education will be available to medical practitioners and academic partners worldwide. Although we know Jump's programs and activities have had a significant impact on medicine and the local economy, the measurement of the extent of these effects cannot be completely quantified. The measurement of the impacts of these qualitative improvements in healthcare outcomes, in the quality of healthcare education, and the efficiency and effectiveness of healthcare delivery are documented in this write-up as well as highlights of Jump's remarkable achievements over the last 10 years.

Jump's Approach

There are three areas of activity that will generate the impacts of Jump and thus improve patient outcomes and reduce medical costs. The approach or activities are:

- ✓ Medical Education
- ✓ Research
- \checkmark Innovation



Working together through Jump, OSF, and other partners has significantly improved these three spheres of activity, as illustrated in the diagram above. The following sections discuss some of the potential activities that have been implemented through Jump. The first theme (or sphere) that will be examined is medical education.

The Dimensions of Medical Education

Jump Simulation center has revolutionized medical education by investing heavily in the following areas.

- 15 unique curricula developed.
 - (PHW, I2F, Modular, Difficult Debriefing Recalibration Café, DIPT, Video-Assisted Debriefing, Debriefing Refresher, ICC-DHW, Illinois Hospital Association Sim for Needs Assessment (6))
- 671 trained simulation facilitators

- 147 advanced facilitation courses completed.
- More than \$2.3 million in registration and consulting revenue
- More than 50 presentations at national/international venues (IMSH, AMA, SimGHOSTS, SimOPS)
- More than \$1 million in validated cost savings and more than \$10 million in cost avoidance



Jump Steam

The Jump Steam program connects families and community organizations across the country to in-person classes, digital platforms, and online activities with the aim of ensuring that no young person is left behind. The Jump Steam at-home program provides families with on-demand kits that prepare students for a medical career. Programs include STEAM activity books and kits, STEAM stars and virtual shark labs. Here are some of the achievements of the program.

- Learners in over **20 states**
- More than **8,050** learners

- 6,000+ in-seat participants
- 342 Steam Stars
- 14 DIY tracks developed.
- 5 OnDemand Kits Developed
 - **525**+ sold.
- PreMed participants from more than 14 different universities
- # Quick Kits developed
 - 875+ quick kits handed out.

Simulation-based Education

Simulation-based education has become integral to clinical education for physicians, nurses, and other medical practitioners. In Collaboration with OSF HealthCare and the University of Illinois College of Medicine Peoria, Jump applies simulation, research, discovery, collaboration, and applied science to dramatically improve outcomes and lower healthcare costs. Jump also partners with other academic and healthcare institutions to develop simulation experiences that address critical programmatic and clinical needs to achieve identified outcomes and demonstrate value. The center offers a two-year fellowship in Simulation and Education, done collaboratively by Jump Simulation, OSF Saint Francis Medical Center, and the University of Illinois College of Medicine at Peoria (UICOMP). In addition, the center develops simulation events that institutions can take on the road, facilitating more indepth needs assessments, improving access to simulation resources, and identifying areas for growth. Here are some of the highlights of the simulation program.

- 1,101,000+ learner visits
- **686** scheduled Out-of-center educational events (offsite, virtual, telehealth, digital)
- 6,850 total learners
- 72,000+ Total learners at simulation events at Jump
- 6,560 events (simulation/skill) at jump (in-center)

- 9,350+ in-situ learners
- 1,170+ scheduled in-situ events.
- Stable of healthcare simulation experts
 - 6 Certified Healthcare Simulation Operations Specialist (CHSOS) certified.
 - 4 Certified Healthcare Simulation Educator (CHSE) certified.
- **660**+ residents graduated.
- **595**+ medical students
- 6,743 Standardized Participant hours 2013-2018
 - 7,831 Standardized Participant hours 2022
- 385 projects created.
 - **87** in 2022
- 196 tours were provided to 1,200 visitors.
- 51 conferences and ceremonies with more than 4,170 attendees

Jump Medical Visualization

Jump Medical Visualization (MedVis) specializes in creating advanced

applications in video, animation, 3D imaging, 360-degree environments, medical

illustration, instructional design, graphic design, distance/online education, mobile app

design, and bioengineering applications to achieve education goals.

Partners have access to a hybrid team of experts in medical visualization, development,

education, user-experience design, and clinical and engineering resources. Stakeholders

also have the potential to tap into the group's strategic collaborations with academic

institutions. Here are some of the highlights of the program.

- 21 mobile apps developed.
 - More than **100,000** app installs
 - 5 external paying clients served.
- 15+ webapps or eCourses developed.
- **100+** educational videos produced.
- Multi-disciplinary team with cutting edge skillsets in XR/AR/VR, mobile & web development, database management, UI/UX, videography/photography/animation and user research.

Improved Educational Results

The many advantages of a simulation approach have greatly improved educational results. Practice treatment in a simulation environment, rather than on real people, allows for better teaching and learning. Time for immediate feedback is acceptable as no patient is waiting. A procedure can be stopped in the middle for immediate feedback and perhaps even a restart. The list of actions that can be taken is very long, and the learning results are substantial.

Learning Applications

The Jump Center provides opportunities to create free applications to help physicians, nurses, and students improve their skills in different areas of medicine.

Recertification Center for Physicians

Building first on its regional reputation and the broad reach of the OSF Healthcare System, Jump is an ideal facility for use in physician recertification. Simulation will play a key role as recertification evolves to include competency-based verification. Jump's role in recertification will add to the reputation of the Peoria area as a center of medical practice. In addition, the involvement of physicians from outside the Peoria area in Jump activities will increase their awareness of Peoria area medical capabilities and reputation. In addition, they will be more likely to refer patients to Peoria, contributing to increased healthcare delivery activity in the area.

Building first on its regional reputation and the broad reach of the OSF Healthcare System, Jump is an ideal facility for continuing medical education. This adds to the area's reputation, which will increase the referral base for OSF and help to improve the ability to recruit the best physicians.



Improvement of Education Curriculum

Jump's educational mission and its approach to that mission make the center ideally suited to test and experiment new curricular methods. In fact, simulation is required for training or recertification in certain areas of medical practice today. The development of newer, safer, and more effective simulation-based approaches will be a substantial addition to medical practice.

Improving Outcome Through Optimization

The Jump Simulation Research team aims to improve patient safety, ensure access to high-quality health care, and bend the cost curve in the medical industry. Using simulation and engineering techniques, Jump can help ensure that hospitals, clinics, offices, outpatient centers, and home health care systems are optimally designed to improve outcomes. Experience in other realms indicates that this would bring significant gains in healthcare.

Creating Greater Research Reputation and Capacity in the Peoria

The capabilities for medical research in the Jump building, both in the Center's direct facilities and personnel as well as the other research facilities, create the basis for greatly expanded medical research. This has a "branding effect" for the Peoria area that brings attention to the area that extends far in the nation and the world. This kind of reputation puts Peoria on the map for top medical research talent and medical entrepreneurs.

Research Publications

The power of simulation to improve patient care outcomes is being tested and explored through different approaches to research. The Jump simulation center has had success in research by applying proven technological advancements in the medical fields which has led to quality research publications. Here are some of the highlights of the research team.

- **70** research studies since 2014
- 48 publications cited over 230 times
- More 20 research posters presented at society conferences (18 for IMSH)
- 5 extramural grants received, totaling more than \$1 million in funding
- 21 Intramural grant awards out of 31 applications (ARCHES, CHA)

Academic Collaboration

In addition to quality research publications, the center has done a great job in

collaborating with academic partners to deliver improved healthcare outcomes. Here are some achievements.

- 4 Academic partnerships were established to connect OSF Mission Partners and University of Illinois College of Medicine Peoria clinicians with leading researchers to develop novel health care solutions.
 - o 2014: University of Illinois Champaign-Urbana
 - Applied Research in Community Health through Engineering and Simulation (Jump ARCHES)
 - o 2021: University of Illinois Chicago
 - Community Health Advocacy (CHA)
 - o 2022: Bradley University
 - Innovation for Health (IFH)
 - o 2023: Illinois State University
 - Connected Communities Initiative (CCI)
- 635 IAI members
- 137 projects funded with \$9.6 million.
- **\$5.5 million** in annual funding available

Dimensions of Innovation

While simulation can improve patient outcomes and reduce costs in health care, it

is also a valuable tool for discovering opportunities for improvement or innovation.

Many people consider innovation simply as creativity or developing a new idea.

This is not entirely correct. Innovation is getting that new idea *and* deploying it. In the economic system, that usually means bringing it to the market and selling it.

Jump Center Approach



Selection/Adoption of Technology

There is a need for evaluation of ideas – inventions. Some may not be effective, some may need more work, and some fill a critical need. The expertise is resident in the Jump simulation center, which means they can perform this triage. In so doing, Jump has made the innovation process more effective and efficient.

Bioengineering

With bioengineering and mechanical, electrical, software, and basic design expertise, Jump Simulation Engineering turns abstract concepts into tangible healthcare solutions for clinicians and patients. Here are some of the highlights over the 10 years 2013 - 2022.

- **374** Segmentations completed.
- **29** Prototypes developed.
- **100** Physicians partnered with
- 70+ Procedural specific task trainers developed.
- **3** patient care service lines set up: congenital heart models, oncology models, and radiation oncology boluses.
- 25+ student projects mentored.

 Senior design with 3 universities – Advanced Anatomy UICOMP, Medical Student's Research, EquiMed, etc)

Improved Effectiveness & Safety of Healthcare Education and Training

New teaching methods, built on simulation, were developed as part of the research mission of Jump to improve safety in healthcare education and performance. Here are some of the Performance Improvement achievements.

- 40 active ministry projects
- 21 continuous improvement training facilitated to more than 2,000 leaders.
- **38** pilots conducted with external solutions.
 - 12 active pilots
- 523 completed Rapid Improvement Model (RIM) projects.
 - o 25 active/open Rapid Improvement Model (RIM) projects
- 640 Mission Partners have completed Rapid Improvement Model (RIM) Project Training
- Functional Transformation

Digital Innovation Development

The process of digital innovation development has led to improved healthcare outcomes and saving costs. Digital innovation is essential for designing, testing, and developing process improvements in a patient-safe manner. Furthermore, running the multiple tests needed to gauge medical and cost outcomes of future process improvements is much more practical. It has accelerated the process by the design capabilities that allow testing to happen much more rapidly than may be possible in a clinical environment. Here are some digital innovation achievements.

- 4,450 patients screened for social needs (OCC)
- **286,000+** Medicaid patients diagnosed with chronic diseases who are eligible for intervention programs.

- 7 AI algorithms
- Built data hub with 25 sources and 150 features.
- MIC Grant -**\$67M** shared with OnCall for 5 years.
- **8** solutions or prototypes developed with Digital Experience and data.
- Developed texting-based communication platform that drove **520% increase** in rehab response rate. (5% to 31%)
- 11 clinical/social programs supported.

Innovative Academic Incubator

Leveraging Jumps strategic partnerships with universities and others, we have developed the Innovation Academic Incubator - an effort to combine the talents of OSF HealthCare clinicians, faculty, and researchers to develop novel healthcare solutions. The Innovation Academic Incubator (IAI) is a network of clinicians across the Ministry and faculty and students from university partners. It helps execute innovative healthcare solutions, convert them into companies, or license them to outside companies. In the words of Dr. Vozenilek, MD, FACEP, VP, Chief Medical Officer for Innovation & Digital Health, ".....Innovative Academic Incubator brings the best and brightest of the faculty of the University of Illinois and our other academic partners into context with OSF, where we have clinical needs and services that we wish to design and develop for the service of our patients, the academicians of these institutions really bring those talents and novel ideas. The concept of incubation is that you start with a simple idea, and you can find out where it can go. In the past, where clinicians have struggled alone to build novel care models or to think differently about their care environment, we'll be bringing new talented people into the mix. What we found is when we bring in humancentered designers, engineers, folks who have expertise in public health and other

disciplines that the idea just multiply it becomes this wonderful synergy which is substantially greater than the simple addition of one plus one."

Innovation Studios

The OSF Jump Innovation Studio is designed to help OSF HealthCare Mission Partners rapidly advance their ideas from exploration to implementation or commercialization within and outside the organization. The OSF Innovation Studio helps Mission Partners create, grow, or scale their healthcare solutions at any stage.

- **6** Trailblazer Challenges completed.
 - **550+** Mission Partner ideas
 - 12 Mission Partner ideas in development
 - 2 ideas have been implemented (Hospital at Home & Zumir (RoundTrip pilot)
- 4 Slingshots hosted to facilitate rapid feedback on mission partner ideas.
- 2 Startup Studio NewCos Marti & Alpine
- 200+ Mission Partners supported by Office of Innovation Management (OIM)
- 2 Patent applications Ascending Aortic Stent & CaseChat (provisional)
- 2 Mission Partner ideas being commercialized Device Table & MedicalCart AR
- 3 Strategic partnerships established (Gener8tor, High Alpha Innovation, Abundant Alliance)

Jump Simulation Center's most critical functions are testing and verifying devices, treatment methods, and simulation. Often, claims about devices can be examined in the center to verify developer/manufacturer claims. International firms are in great need of testing in the United States. Jump provides for patient-safe testing of international products intended for use in the U. S. For Peoria, this puts its medical community on the much larger stage. The effect is to contribute to making Peoria a destination for top medical experts from around the nation and perhaps the world who are involved in healthcare technology development.

Innovation Labs

In collaboration with universities, business partners, and philanthropists, the Innovation

Labs were created to explore, develop, test, and scale solutions to achieve the goals of our

focus areas. With a connection to the entire healthcare system, investigators can work

directly with clinicians to ensure ideas bring value to OSF, our partners, and, most

importantly, our patients. Here are some of the achievements.

- 15 peer-review published articles.
- 19 grants were awarded.
- 54 appearances
- 14 new partners
- 8 Labs dedicated to exploring, developing, test and scale solutions to achieve the goals of our focus areas.
 - o Advanced Imaging and Modeling Lab
 - Formed National Institutes of Health 3D Heart Library on the 3D print Exchange to share models of hearts with clinicians across world, improving understanding of congenital heart disease.
 - 97 cases uploaded.
 - Provided 3D heart models to 18+ institutions across 14 states for surgical planning.
 - Blockchain Lab
 - Children's Innovation Lab
 - o Data Science and Advanced Informatics Lab
 - o Design Lab
 - o Interprofessional Education Lab
 - o NeuroHealth Lab
 - o STEAM Lab

References

- IMPLAN (2023) "Using the Local Purchase Percentage Field" at (<u>https://support.implan.com/hc/en-us/articles/115009548047-IMPLAN-Pro-Using-the-Local-Purchase-Percentage-Field</u>).
- IMPLAN (2023) "Multiplier and Aggregation Bias" at (<u>https://support.implan.com/hc/en-us/articles/115009510947-Common-Data-Questions</u>).

https://www.osfinnovation.org/jump-simulation

Appendix: Detailed Tables

Table A.1:Jump Simulation Budget and Grant Summary (2013-2022)

	Jump Simulation									
	Year to Date	Year to Date	Year to Date	Year to Date	Year to Date	Year to Date	Year to Date	Year to Date	Year to Date	Year to Date
Description	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Ministry Services Income										
Charges to Facilities & MH	1,229,103	2,466,262	3,905,676	4,132,199	5,228,020	4,813,240	4,614,863	6,015,143	6,565,294	6,110,70
Rental Income						-	-	-	-	
Affiliate Hospital Revenue						-	•	•	-	
Other Income	472,854	870,964	202,566	2,619,282	462,630	543,617	533,315	145,648	171,576	401,50
Ministry Services Charges to SFI						-	-	-	-	
Total Corporate Income	1,701,957	3,337,226	4,108,243	6,751,481	5,690,650	5,356,857	5,148,177	6,160,791	6,736,869	6,512,21:
-										
Expenses										
Salaries & Wages	1,289,020	2,149,004	2,071,508	3,647,981	3,449,174	3,692,456	3,794,078	3,757,430	4,102,998	4,797,763
Employee Benefits	3,464	13,304	11,719	18,844	1,588	14,210	12,101	634,614	865,675	990,101
Sisters Evaluated Services					30,328	31,806	31,987	24,570	5,513	
Professional Fees	17,010	377,063	1,073,837	492,849	976,697	497,870	145,138	660,570	1,359,536	675,86
Supplies	275,142	529,900	697,533	1,039,214	766,633	247,076	283,468	239,096	132,256	413,562
Purchased Services	117,321	264,597	253,645	1,355,518	462,843	560,172	570,480	501,919	381,631	422,214
Other Direct Expenses						269,821	195,648	167,195	(356,193)	(1,083,446
Depreciation / Amortization						43,446	115,277	175,397	245,453	296,148
Impairment Loss						-	-	-	-	
Total Operating Expenses	1,701,957	3,333,868	4,108,243	6,554,405	5,687,263	5,356,857	5,148,177	6,160,791	6,736,869	6,512,211
Visitor Expenditures	27.594	70.616	89.297	103.514	135.546	121.354	120.682	66.321	43,441	68.66
Grant Activity	27,534	3,949,428	83,237	103,314	133,340	121,354	840,978	00,321	43,441	96,79
Total Allocatable Non-Construction	1,729,551	7,353,911	4,197,540	6,657,919	5,822,809	5,478,211	6,109,837	6,227,112	6,780,310	6,677,67
Total Anocatable Non-Construction	1,729,331	7,555,911	4,197,340	0,037,919	5,822,803	5,476,211	0,109,657	0,227,112	0,780,510	0,077,07
Construction of 3 & 4 Floor					11,152,584	800,000				
Grant Activity	# OF PROJECTS	TOTAL AMOUNT FUNDED	YEAR OF ORIGIN	40% of grant						
PROGRAM	140	\$9,873,568.96	2014	\$3,949,427.58						
ARCHES	27	\$2,102,445.80	2019	\$840,978.32						
CHA	5	\$241,978.00	2022	\$96,791.20						
IFH	0	\$0.00	2023	\$0.00						
CCI										
Dr. Vozenilek in terms of grants flow										
Roughly 40-50 percent of those funds exp	pended are intended to flo	ow to OSF, the other porti	on has been to the acade	emic partner.						
Most grants are for a year.										

Table A.2:						
Jump FTE Growth	2018-2022)					

			. 1							
FTEs	Acct Year									
Dept	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
86123	31.0	29.0	29.5	27.0	16.0	17.0	15.2	12.8	14.5	15.6
86134		2.0	2.0	2.0	6.8	5.8	6.7	6.1	7.3	6.0
86136				3.0	6.0	6.0	6.1	7.2	5.4	5.2
86139					2.0	2.0	3.9	2.6	1.9	3.1
86144						1.0	0.9	1.0	1.0	1.0
86153					3.0	4.0	4.2	4.3	4.5	6.0
86154						1.0	4.0	4.3	3.4	4.3
86167								3.2	6.3	7.1
86173										0.3
Grand Total	31.0	31.0	31.5	32.0	33.8	36.8	41.0	41.5	44.4	48.2

 Table A.3:

 Medical Training Events and Attendees at Jump Simulation Center (2018-2022)

Year 💌	# of Events	Attendance
2013	497	3,555
2014	806	9,244
2015	942	11,703
2016	1,015	13,738
2017	1,116	18,373
2018	1,083	16,851
2019	976	17,061
2020	650	9,493
2021	589	6,509
2022	946	11,112
Grand Total	8,620	117,639