

Loyola University Chicago

ITS Major Initiatives – FY23 Q1-Q2

<p>Academic and Faculty Support</p> <ul style="list-style-type: none"> • LOCUS Enhancements (2) • Customer Relationship Management System Pilot with SLATE • Stritch School of Medicine Admissions System Replacement • Faculty Administration Re-Architecture Strategy- FARS (8) • Review and Evaluate Proposed Research Administration Solutions • TAMS Evaluation and Implementation 	<p>Administrative Initiatives</p> <ul style="list-style-type: none"> • COVID-19 Related Projects (1) • Lawson/ Kronos Enhancements (4) • Course & Curriculum Mgmt. (Courseleaf) • Energy Management, Compliance, Mobile Enablement – Phase III (Archibus) • Data Governance & Integrity • Academic Program Plan Auto Discontinuation Process • Implement Single Conflict of Interest Platform for University 	<p>Student Technology Support</p> <ul style="list-style-type: none"> • EAB Navigate Phase II • LDE Student Experience Lifecycle (PeopleGrove Mentoring: Main Hub, Sub Hubs for SSOM, SSW, Parkinson, MNSON) • Financial Aid Award Letter Processes – Aid Year 2023 • State Immunization Module Migration – LOCUS to Health App • Tuition Insurance Enhancements • Implementation of Mobile Check-in for Wellness
<p>Infrastructure</p> <ul style="list-style-type: none"> • Information Security Program (6) • IT Disaster Recovery (5) • Identity and Access Management Enhancements • iParc Reader Replacement – Chip and pin 	<p>Continuous Service Development</p> <ul style="list-style-type: none"> • Advancement CRM Replacement • LDE Transformation: Digital Assistant/ Chatbots (4) • LDE Consumable Experience (Portal Pilot) • Business Intelligence/ Data Warehouse (9) • Enterprise Content Management (6) • Graduate Student Progress System Assessment / Replacement 	<p>Research Computing Services</p> <ul style="list-style-type: none"> • Natural Language Processing Innovation (cNLP) • PCORI CAPriCORN 2022 Refresh • Observational Medical Outcomes Partnership (OMOP) Data Mapping for CTSA/ITM • Natural Language Processing (NLP) to Enhance Computable Phenotyping



“Loyola Digital Experience”

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Health Legend


Green – On Target, No Risk
Lime – On Target, Minimal Risk, Minor Concerns, Under Control
Yellow – Target in Jeopardy, Risks Being Managed, Unknowns Exist
Orange – Slightly Off Target, Several Risks or Unknowns
Red – Off Target, High Risk, Multiple Concerns



Preparing people to lead extraordinary lives

ACADEMIC AND FACULTY SUPPORT

LOCUS Enhancements (2)	Sponsor: Rita Vazquez, Robyn Mallett Project Manager: Xiomara Franco, Dawn Fitzgerald	Health	
		Prior	Current
Institutional Impact: Enhancements that improve service or increase efficiency for student and faculty services offered via the Student System (LOCUS).			
Recent Activity: 1) Working on restricting the data entry done by students when applying for graduation to update names and address; this will assist with the process to not allow students to update names after the Graduation Book has already been printed. 2) Adding a New Restriction to the Change My Major (CMM) Application so Engineering majors are not a choice CAS students can select when using CMM.			
Next Steps: 1) Begin planning of maintenance for 2023. This will include a hardware update to the existing infrastructure supporting PeopleSoft. Additionally, it is a requirement to get to our next version of PeopleTools.			

LDE Consumable Experience: CRM System Pilot with SLATE	Sponsor: Karen Berg, Jennifer Boyle Project Manager: Heather Chester		Health	
			Prior	Current
Institutional Impact: School-based CRM pilot for communication and data management with employers, research sites, students and other constituents. An enterprise CRM platform offers a consistent experience and creates a single platform with which the University can capture, share and report on participation and engagement.				
Recent Activity: 1) Data Cleansing and Data integration in progress for MN SON and Arrupe. 2) Requirements, development, and testing on target for Arrupe pilot go live in March. Requirements and development being finalized for MN SON. 3) User Guides and Roll out planning underway.				
Next Steps: 1) Finalize data cleansing and data integration for both Arrupe and MN SON. 2) Finalize workflow, communication requirement gathering for both MN SON and Arrupe. 3) Go live with Arrupe, then MN SON.				

Stitch School of Medicine Admissions System Replacement	Sponsor: Darrell Nabers Project Manager: Kelly Pearce	Health	
		Prior	Current
Institutional Impact: The current SSOM Admissions System (STARRS) is not fully supported by AMCAS and is not able to provide effective historical reporting. Replacement benefits include: <ul style="list-style-type: none"> • Continuous data collection for historical reporting and decision making • Alignment with annual changes of AMCAS data to reduce IT manual efforts • Reduce the amount of manual and duplicate business efforts with increased integration and continuity 			
Recent Activity: 1) Executed Agreement with ZAP for AMP system. 2) TouchNet setup in progress. 3) AMP Scope doc discussions in progress.			
Next Steps: 1) Finalize AMP Project Plan. 2) Schedule Implementation Kick-Off meeting in January.			

Faculty Administration Re-Architecture Strategy–FARS (5)	Sponsor: Badia Ahad Project Manager: Warren Francis	Health	
		Prior	Current
Institutional Impact: Support One Loyola with a single Faculty review and administration system. This system will interact with all other third party systems and create a single method to interact with backend systems.			
Recent Activity: 1) Faculty members and unit administrators across units (except SSOM) have been using F180 to complete the annual faculty review process. 2) OIE & Faculty Affairs agreed upon a data upload schedule for Smart Evs course evaluations. 3) The LUC team continues to meet with Interfolio to upload the HSC evaluations.			
Next Steps: 1) Onboarding for new OIE staff. 2) Interfolio to load SSOM faculty into F180 to test sample FIS roll-up data. 3) Evaluate the first annual review cycle and determine areas for improvement.			

ACADEMIC AND FACULTY SUPPORT, cont'd

Review and Evaluate Proposed Research Administration Solutions	Sponsor: Dr. Sonny Singh Project Manager: Jim Sibenaller	Health	
		Prior	Current
Institutional Impact: A single Electronic Research Administration (ERA) system will increase efficiency, security and ease-of-use, as well as consolidate two legacy, custom-developed platforms that no longer meet our needs.			
Recent Activity: 1) 1 st draft of Project Scope completed. 2) Core Project Team & SMEs identified as well as planning the structure of the team. 3) Research of other Higher Education ERA systems in progress.			
Next Steps: 1) Confirmation of project team & scope. 2) Document the requirements. 3) Issue RFP.			

TAMS Evaluation and Implementation	Sponsor: Lorna Finnegan Project Manager: Warren Francis	Health	
		Prior	Current
Institutional Impact: This new system will automate MNSON faculty leadership to collectively manage teaching assignments and workload and will also allow faculty to provide input on their assignment preferences.			
Recent Activity: 1) MNSON adding approximately 850 teaching assignments for the past year into TAMS. 2) MNSON populating the course scheduler information in TAMS.			
Next Steps: 1) Clone the 2021-2022 information to a new instance for the current year 2022-2023. 2) Clone 2022-2023 information to a new instance for 2023-2024 and begin using TAMS for planning teaching assignments for Fall 2023-2024.			

Digital Badging Solution	Sponsor: Robyn Mallett Project Manager: Diane Haberkorn	Health	
		Prior	Current
Institutional Impact: Digital badges and micro-credentials are increasingly used to recognize non-degree professional development competencies. They provide evidence that learners can demonstrate specific skills. Digital badges/micro-credentials will increase the competitive value and recognition of non-degree based credentials offered by Loyola.			
Recent Activity: 1) Contract review with Credly.			
Next Steps: 1) Begin pilot preparations with Executive and Professional Education Center (EPEC) for academic non-credit, and with Office of Online Learning (OOL) & Instructional Technology and Research Support (ITRS) for faculty & staff professional development.			

ADMINISTRATIVE INITIATIVES

COVID-19 Related Projects (1)	Sponsor: Tom Kelly Project Manager: Jim Sibenaller	Health	
		Prior	Complete
Institutional Impact: This group of projects is driven and prioritized by requirements to open campus, manage compliance, enable teaching, learning and working continuity, and automate business processes.			
Recent Activity: 1) All COVID-19 related processing transitioned to operational departments.			
Next Steps: N/A – Project complete.			

Lawson/Kronos Enhancements (4)	Sponsor: Danielle Hanson, Becky Gomez Klein Project Manager: Mary Bunker	Health	
		Prior	Current
Institutional Impact: Ongoing improvement projects for Enterprise resource planning (ERP) software which includes Budgeting and Planning, HR, Payroll, Accounting, Grant Management, Supply Chain and Expense Management.			
Recent Activity: 1) Implemented Benefit enrollment Audit reporting. 2) Completed setup for annual benefits enrollment in the Employee Self-Service portal.			
Next Steps: 1) Continue to enhance automated process to import WorkBright data into Lawson for newly hired employees. 2) Support Finance with business process analysis and recommendation for alternatives regarding incoming cash receipts that are not easily identified to which department they "belong". 3) Business process analysis and recommendation for alternative for recording credit cards cash receipts to the appropriate department in Lawson. 4) Apply 2022 year-end payroll, financial, and HR regulatory patches to the Lawson system.			

Course and Curriculum Management (CourseLeaf)	Sponsor: Robyn Mallett Project Manager: Heather Chester	Health	
		Prior	Current
Institutional Impact. Enables a university-wide catalog (for course offerings, degree/program requirements, learning outcomes, and academic policies for all or most schools) that is updated, published, and archived. Additionally, it offers electronic curriculum review/approval workflow that retains a full history of changes, eliminating paper/pdf forms.			
Recent Activity: 1) Two-day onsite Catalog requirements meeting held in October with development started in November. 2) Migration Training and User Acceptance Testing (UAT) underway. 3) Curriculum Management (CIM) pre-work requirement meetings have begun to assist with planning. 4) Single-Sign-on complete.			
Next Steps: 1) Complete approval of New Catalog Web pages. 2) Catalog Content review by individual departments and programs. 3) Begin CIM requirements and pre-work.			

Energy Mgmt, Compliance, Mobile Enablement – Phase III (Archibus)	Sponsor: Kana Henning Project Manager: Warren Francis	Health	
		Prior	Complete
Institutional Impact: Provide a real-time single source of truth for all space inventory and utilization data at LUC. The new system will become the planning tool for building programming, space assignments, and campus development.			
Recent Activity: 1) This phase of the project is now complete. 2) The Facilities team participated in a project closeout meeting with JLL to discuss the overall implementation of the project. JLL also performed a business review to talk about 'What's Next' for Loyola.			
Next Steps: 1) Project is now complete.			

ADMINISTRATIVE INITIATIVES, cont'd


Data Governance and Integrity	Sponsor: Susan Malisch, Winifred Williams, Teresa Krafcisin, Margaret Callahan Project Manager: Tony Vavarutosos	Health	
		Prior	Current
Institutional Impact: Address data integrity issues that exist within and across systems. Data needs to be validated and sources of truth defined. Good data enables effective service to students and enables efficient operations.			
Recent Activity: 1) Data integrity for mobile phone numbers, local addresses for students, and mobile phone numbers for faculty & staff is in progress. 2) Documenting institutional reporting as part of the IPEDS reporting need for OIE.			
Next Steps: 1) Document and define institutional reporting data. 2) Complete phone number and email cleanup. 3) Identify "Data Champions" from every division and school.			

Academic Program Plan Auto Discontinuation Process	Sponsor: Rita Vazquez Project Manager: Nalin Patel	Health	
		Prior	Current
Institutional Impact: Establishing a sustainable discontinuation process is necessary to achieve and maintain the integrity of student data in LOCUS. Clean/accurate data will positively impact downstream systems and processes that rely on LOCUS student data.			
Recent Activity: 1) This project has not yet started. It has been prioritized with the project sponsor within the queue of other requests.			
Next Steps: 1) Schedule a requirements gathering meeting with Sponsor and determine implementation timeline.			

Implement Single Conflict of Interest Platform for University	Sponsor: Dr. Sonny Singh Project Manager: Lydia Robertson	Health	
		Prior	Current
Institutional Impact: Streamline and combine conflict of interest disclosure processes across the University to enable enterprise efficiencies and document disclosure information and potential conflicts of interest and conflicts of commitment in alignment with the NPSM-33 federal directive.			
Recent Activity: 1) Project slowed due to other more critical priorities. 2) Future state design under review.			
Next Steps: 1) Finalize the Finance/SPA requirements in relation to future state. 2) Begin application consolidation.			

STUDENT TECHNOLOGY SUPPORT

EAB Navigate Phase II	Sponsor: Paul Roberts Project Manager: Xiomara Francis / Dawn Fitzgerald	Health	
		Prior	Current
<p>Institutional Impact: Navigate is a student success platform that enhances communications between advisor and student and provides tools for academic planning. Later phases may allow direct enrollment from Navigate into LOCUS.</p>			
<p>Recent Activity: 1) Advising Notes Interface to LOCUS – sponsor will assess whether this remains a necessary effort. 2) Arrupe College – In progress; vendor has loaded Arrupe student data into test environment; ready for UAT with Arrupe staff.</p>			
<p>Next Steps: 1) Arrupe College – Complete UAT and deploy to production. 2) Regroup with Advising EAB support team to implement new photo imports interface 3) Work with EAB to develop load test plan for One Click Registration testing</p>			

LDE Student Experience Lifecycle: PeopleGrove Mentoring	Sponsor: Paul Roberts, Karen Paciero, Susan Malisch Project Manager: Diane Haberkorn		Health	
			Prior	Current
<p>Institutional Impact: An enterprise-wide solution for managing various mentoring programs ensures consistent user experiences for mentors and mentees, facilitates opportunities for mentoring across disciplines, and improves engagement, educational and professional outcomes for students, alumni, faculty, and staff.</p>				
<p>Recent Activity: 1) LoyolaLinked Central Hub – Alumni Relations team is partnering with ITS, UMC and Career Services to develop marketing campaign and launch event. Central Hub to launch in late January 2023. 2) PSHSPH and School of Social Work remain in soft launch with ongoing development to increase student and alumni recruitment. 3) Stritch School of Medicine has begun implementing the remaining add-ons for the full platform and is partnering with Alumni Relations on increasing alumni recruitment. 5) College of Arts and Sciences and School of Communications is still in discovery and gathering current state analysis. 6) Arrupe has completed discovery and in lieu of their own hub, team will start the implementation of Groups on Central Hub in Spring 2023. 7) School of Education and Graduate School is scheduled to start Hub implementations in early Spring 2023.</p>				
<p>Next Steps: 1) Support Alumni Data import for all schools. 2) Plan Spring 2023 Implementations 3) Support Alumni Relations in developing data dashboards 4) Support roll out of Community of Practice and Executive Reporting for 2023.</p>				

Financial Aid Award Letter Processes – Aid Year 2023	Sponsor: Paul Roberts Project Manager: Caroline Mwangi, Ivan Siap	Health	
		Prior	Current
<p>Institutional Impact: Each Financial Aid Awarding year, Financial Aid office has a set of recurrent operations that are used to process continuing and incoming students data. These processes include ISIR loads, related checklist processing, packaging, and award letters. The group of custom batch programs, which help to facilitate Award letter processing, are known at Loyola as the "Starting Line Up." These ensure that implemented changes are well understood, tested, and accounted for in our institution's processing logic, and in the various external data interfaces.</p>			
<p>Recent Activity: 1) Initial testing of Financial Aid Post Regs1 PRP. 2) Configuring security for the Test environments for all new 2024 Aid year components. 3) Modifications and customizations updates to programs completed. 4) Go live with Grad Discount process. 5) Go live with returning Rambler process. 6) Apply 2024 changes</p>			
<p>Next Step: Continue to monitor performance of the various award letter processes.</p>			

State Immunization Module Migration-LOCUS to Health App	Sponsor: Joan Holden Project Manager: Aine McDonagh	Health	
		Prior	Current
<p>Institutional Impact: The goal of this project is to move all immunization data into the Health App. This will facilitate users to access data for verification in one location; improves ease of use, workflow, and reduces errors.</p>			
<p>Recent Activity: Implementation team met with ITS and functional leaders to review project scope.</p>			
<p>Next Steps: Finalize future state design; implement.</p>			

STUDENT TECHNOLOGY SUPPORT, cont'd


Tuition Insurance Enhancements	Sponsor: John Campbell Project Manager: David Kessler	Health	
		Prior	Current
Institutional Impact: These project enhancements are needed for the purpose of improving the current customer service available to the impacted population.			
Recent Activity: 1) Project Scope document developed and approved. 2) The technical specification document completed and development in progress.			
Next Steps: 1) Complete Development, Testing and User Sign-Off, Implement in Production.			


Implementation of Mobile Check-in for Wellness	Sponsor: Joan Holden Project Manager: John McGivney	Health	
		Prior	Current
Institutional Impact: Check-in solution (replacing open check-in kiosks) for Wellness Center patients; Consent solution (replacing signature pads) for treatment of patients.			
Recent Activity: 1) Completed & recorded a Demo regarding the two mobile components, Check-In and Consent, for Wellness Center. 2) Mobile Consent implementation target completion end of December. 3) Mobile Check-In implementation in progress. Wellness Center to determine locations where Mobile Check-In will be available for students.			
Next Steps: 1) Mobile Consent Go Live. 2) Finalize Mobile Check-In setup for implementation.			

INFRASTRUCTURE

Information Security Program (6)	Sponsor: Susan Malisch Project Manager: Jim Pardonek	Health	
		Prior	Current
Institutional Impact: Continue risk mitigation and management associated with the confidentiality, integrity and availability of University protected and sensitive information.			
Recent Activity: <u>Awareness</u> – Fall FY23 training at 99% completion. Preparations underway to continue discussions with Student Development to determine best next steps to raise Student awareness <u>Compliance</u> – Annual penetration testing deficiencies being corrected. HIPAA gap assessment completed and under review. HIPAA newsletters released to fulfill training requirements. <u>Risk Reduction</u> – Endpoint Detection and Response vendor choice finalized with expected deployment in Q4 FY23. Server “hardening” and vulnerability management treatments continue.			
Next Steps: 1) Ongoing security awareness and phishing assessments. 2) Continue server hardening and PII Program. 3) Implement Risk Assessment treatments.			


IT Disaster Recovery (5)	Sponsor: Margaret Callahan, Tom Kelly, Susan Malisch Project Manager: Jim Sibenaller	Health	
		Prior	Current
Institutional Impact: Timely restoration of key University technology services in the event of disaster or severe outage.			
Recent Activity: The DR program for 2022 continues to be deferred due to resource constraints. Likely start Q3 FY23.			
Next Steps: 1) Establish current state of the program. 2) Launch plan review process. 3) Test all systems/applications.			

LDE Foundation: Identity and Access Management (IAM) Enhancements	Sponsor: Susan Malisch Project Manager: Diane Haberkorn		Health	
			Prior	Current
Institutional Impact: Improvements to Loyola's IAM System are required to automate access management to applications and services. As roles within the University change and evolve, our IAM system should transition a person's access with minimal administrative intervention and without disruption. Once complete, application access will automatically transition as an individual's role changes, minimizing unauthorized access risk and improving productivity.				
Recent Activity: 1) Received and analyzed RFP responses from vendors. 2) Presented recommendation to the ITS Architecture Review Board. 3) Presented project update & recommendation to the ITS Executive Steering Committee.				
Next Steps: 1) Confirm final pricing. 2) Begin contract negotiations in Q1 2023.				

LDE Consumable Experience: ITS Portal Pilot	Sponsor: Jim Sibenaller Project Manager: Kelly Pearce		Health	
			Prior	Current
Institutional Impact: This pilot is expected to validate features and functionality for a Loyola-wide portal experience, where content is tailored to each student, faculty, or staff.				
Recent Activity: Project on hold pending enterprise architecture resource availability within ITS.				
Next Steps: 1) Review project restart plan with the CIO and Architecture Review Board.				

CONTINUOUS SERVICE DEVELOPMENT

Advancement CRM Replacement	Sponsor: Susan Malisch, Karen Paciero Project Manager: Diane Haberkorn	Health	
		Prior	Current
Institutional Impact: Replace current solution to provide contemporary functionality and enhanced relationships with the Loyola Alumni community. The new system will support Advancement as they prepare for a new capital campaign.			
Recent Activity: 1) Contracts signed and executed with Salesforce, UCI, Zuri and Heller. 2) Preliminary meetings to plan scope and implementation are underway. 3) Server has been established for Zuri to begin TR0 Data Clean Up.			
Next Steps: 1) Team to finalize project charter and governance. 2) Timeline to be established – pending project start in January 2023.			

LDE Transformation: Digital Assistant / Chatbots (4)	Sponsor: Susan Malisch Project Manager: Kelly Pearce		Health	
			Prior	Current
Institutional Impact: Increase administrative efficiencies and improve service to students, faculty and staff using Digital Assistants or “Chatbots”. Answers to most frequently asked questions are self-service & available 24/7.				
Recent Activity: 1) Enhanced Dashboards and Metrics Reporting 3) Transitioned Weekly Ratings content review to functional departments.				
Utilization Metrics:				
<ul style="list-style-type: none"> • Growth rate 12%, from 19,607 conversations in Q1 FY23 to 21,886 conversations in Q2 FY23 • Q2 FY23 - Users mainly access the Chatbot (LUie) from LOCUS (38.8%), luc.edu (25.3%), Bursar (13.0%) ResLife (11.8%) and Health & Wellbeing (7.9%) • Over 540 questions across a variety of topics; the most popular content areas through November 2022 have been Financials, Academics, Residence Life and My Information • Time of Day Activity (Mar-Nov 2022) – Peak (8am - 5pm): 57%; Off Peak (5pm - 12am): 31% & (12am - 8am): 12% 				
Next Steps: 1) Enhance Content for Registration & Records and Student Academic Services. 2) Add Content Admissions and Graduate. 3) Add Content for faculty/staff related topics: Finance and HR. 4) Add Promotional Questions feature				

Business Intelligence / Data Warehouse (9)	Sponsor: Margaret Callahan, Wayne Magdziarz, Susan Malisch Project Manager: Tony Vavarutos	Health	
		Prior	Current
Institutional Impact: Inform planning and strategic decisions at Loyola with new visualizations, reporting and data analyses using enterprise data that is more easily accessible and consumable.			
Recent Activity:			
<ul style="list-style-type: none"> • Completed Phase 1 (HSC Awards) of the Unified Research Dashboard project which will consolidate HSC & LSC data sources into a single repository. • Completed the Cabinet Dashboard for Winter 2022 and Spring 2023 enrollment and financial metrics • Completed the SSOM applications data model and Power BI solution. The system is in production • Continuing development of HR Metrics data model as guided by HR. • Re-engaged with HSC staff to pull registration and academic data into Data Warehouse. • Continued with the WebFOCUS report conversion project. Working on resource options to support departments. • Presented the Learning Analytics framework to the Provost and other executives. It was very well received and next steps will be developed with the Provost Office being our Academic Sponsor. • Developed and moved to production this year’s Flu compliance data model for HSC employees and students 			
Next Steps: 1) Complete the HR Metrics data model. 2) Complete Phase 3 Learning Analytics framework. 3) Continue WebFOCUS report conversion and the Research, HSC/SSOM data consolidation projects. 4) Continue to work with OIE on the Data Validation and Documentation for IPEDS Reporting.			

CONTINUOUS SERVICE DEVELOPMENT, cont'd

Grad Student Progress System Assessment/Replacement	Sponsor: Emily Barman Project Manager: Aine McDonagh	Health	
		Prior	Current
Institutional Impact: Identify a long term solution to support the management of graduate student progress through degree requirements and the growth of graduate programs outside of the Graduate School.			
Recent Activity: Current state documentation completed and sent to functional team for review.			
Next Steps: Complete future state design for review and approval.			

Enterprise Content Management (6)	Sponsor: Susan Malisch Project Manager: Mary Bunker	Health	
		Prior	Current
Institutional Impact: Improve/streamline student services & interdepartmental process efficiency while reducing paper.			
Recent Activity: 1) Completed projects: Replacement of legacy Visual Basic script to download, extract, import, and index Slate admissions documents into DocFinity for GPEM. 2) Active projects include: DocFinity upgrade to fix email authentication issue, DocFinity server migration, Wellness Center – COVID19 Immunizations, School of Law document repository, adding MFA for DocFinity Authentication, Workbright/Lawson/DocFinity API.			
Next Steps: 1) Obtain User Acceptance Testing sign-off on active projects. 2) Implement process to purge deleted documents regularly.			

RESEARCH COMPUTING SERVICES

Natural Language Processing Innovation (cNLP)	Principle Investigator: Dr. Kathy Bobay Assigned: Ron Price, Jason Boyda	Health	
		Prior	Current
<p>Institutional Impact: Electronic health record (EHR) narrative notes contain rich data about patient care and comprise approximately 80% of the EHR's content. These data are difficult to access and analyze without tedious and costly manual chart reviews. Loyola's new clinical natural language processing (cNLP) and clinical inference engines eliminate the barriers of previous cNLP products, namely lack of near real-time performance and the need for extensive hardware and technical expertise. These innovations can be used in real-time, in a wide range of use cases including, but not limited to: care coordination/population health; quality improvement; clinical decision support; and research.</p>			
<p>Recent Activity: 1) Delivered first draft of "research collaborator" software licenses to Memorial Sloan Kettering (MSK) and Beaumont/Spectrum Health. 2) Met with University of Michigan (Dr. Joshua Stein) to discuss master CNLP software license for SOURCE consortium.</p>			
<p>Next Steps: 1) Continued work with MSK and Beaumont/Spectrum to complete execution of proposed software licenses. 2) Work with legal team to develop a license proposal for SOURCE Consortium. 3) Work with Dr. Nicholas Soulakakis (PARKS/CHOIR) to explore use of cNLP for concept mapping data provided by community health workers.</p>			
PCORI CAPriCORN 2022 Refresh	Principle Investigator: Dr. Francis Weaver Assigned: Ron Price	Health	
		Prior	Current
<p>Institutional Impact: The Patient Centered Outcome Research Institute (PCORI)/CAPriCORN 2022 Clinical Data Repository (CDR) is a large-scale clinical data repository that is refreshed or updated quarterly and conforms to PCORI's Common Data Model (CDM) version 6.1. The CDR serves as the basis for a number of clinical studies including those operational on the national PCORnet network and specialized studies. The CDR also supports local CAPriCORN collaborations amongst Chicago's academic medical institutions.</p>			
<p>Recent Activity: 1) Completed CY2022 Q3 data repository refresh. 2) Continued participation in the National COVID Cohort Collaborative (N3C).</p>			
<p>Next Steps: 1) Complete CY2022 Q4 data refresh. 2) Continued participation in N3C. 3) Plan first data extraction for ITM LEAF OMOP data repository.</p>			
Natural Language Processing (NLP) to Enhance Computable Phenotyping	Principle Investigator: Dr. Kathy Bobay Assigned: Ron Price	Health	
		Prior	Current
<p>Institutional Impact: Natural language processing (NLP) of clinical narratives (e.g., notes, reports, etc.) enables a broader range of electronic health record (EHR) data to be utilized in clinical research and clinical decision support (CDS) activities. Data produced from large-scale clinical NLP efforts are de-identified and can be utilized across a range of analytic processes, including traditional biostatistics, computable phenotyping and machine learning processes (e.g., AI, deep networks, traditional neural networks, convolutional neural networks, etc.).</p>			
<p>Recent Activity: 1) Performed multiple cNLP and clinical inference rule analyses for end-of-life (EOL) goals of care project (MNSON PIs - Drs. P. Friend/K. Bobay, H. Joehl). 2) Began planning for an ophthalmology-specific knowledge map to extract targeted ocular data from clinical narrative.</p>			
<p>Next Steps: 1) Continued activity on EOL project. 2) Analyze targeted ocular clinical narrative and develop first knowledge map for evaluation.</p>			
Observational Medical Outcomes Partnership (OMOP) Data Mapping for CTSA/ITM	Principle Investigator: Dr. Elaine Morrato Assigned: Ron Price	Health	
		Prior	Current
<p>Institutional Impact: The Observational Medical Outcomes Partnership (OMOP) data repository project is part of an on-going effort supported by NIH's Clinical and Translational Science Awards (CTSA) through an award to Loyola from University of Chicago's Institution for Translational Medicine (ITM). The primary goal for Loyola's deidentified OMOP-based clinical data repository is for it to support a clinical research patient cohort discovery application built by the University of Washington called "LEAF". The operational repository will be refreshed quarterly, and the LEAF application will operate in a "federated" manner allowing researchers to discover patient cohorts across participating ITM institutions (currently University of Chicago, RUSH and Loyola). This is a long-term development effort, and LEAF is expected to be fully operational in calendar year 2023.</p>			
<p>Recent Activity: 1) Developed "master" extract-transform-load (ETL) processes for use by local ITM3.0 institutions of University of Chicago, RUSH and Loyola. 2) Facilitated testing of local ETL processes at each institution.</p>			
<p>Next Steps: 1) Post MOU execution, plan historical deidentified data load into OMOP repository.</p>			