

ACTIVITIES REPORT



2024

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MESSAGE FROM THE PRESIDENCY

MESSAGE FROM THE PRESIDENCY

This year, we celebrate two achievements that will go down in the history of the Medical School Foundation (FFM): the Foundations Law (No. 17,893/2024), approved in April and regulated in December, which establishes a management model, sets rules and enables better service to users of the public health service; and the approval of all our accounts by external bodies.

We are living in a very interesting moment of true legitimacy and legality — in the strict sense —, of how necessary and essential the participation of support foundations in the provision of public services to the Brazilian population is. In our case, as a support foundation for the Medical School of the University of São Paulo (FMUSP) and Hospital das Clínicas (HC), to ensure that the Unified Health System (SUS) honors what the 1988 constituent assembly members promised to the Brazilian population: quality health care in a short time. An understanding that needs to be debated beyond the oversight bodies.

In this vein, we held, together with the USP's Schools of Medicine and Law and the Arcadas Foundation, the Colloquium on Foundations in Support of Public Social Services, which brought together a qualified audience of over 150 people. On that occasion, with the participation of members of several relevant institutions in the health area, we launched the Foundations Forum. The objective is to promote debates on good practices for the foundation model.

Progress towards regulating foundations that deal with public services is something that needs to be constant, with the improvement of control mechanisms, transparency guidelines and governance that is increasingly adjusted not only to external demands, but also to the Code of Ethics of each of these institutions. In this context, the Medical School Foundation (FFM) occupies a position among those that stand out in compliance with the principles that the Constitution imposes in Article 37 on those who deal with public resources: legality, impartiality, morality, publicity and efficiency. Both in the proper use of public and private resources, which is why we are scrutinized by the federal, state and municipal audit courts, the Federal and State Comptroller General's Office, and the Public Prosecutor's Office for Foundations of the Public Prosecutor's Office of São Paulo.

In 2022, we began a movement of greater dialogue with other institutions and Powers, aiming to inform these bodies about the functioning of FFM, its relevance to society and the purpose of seeking resources to enable improvements to the Teaching, Research, Assistance and Innovation activities of the FMUSP-HC Academic Health System, always under the pillars of transparency and effectiveness.

Today, FFM has its doors open. Throughout the year, the Foundation organized institutional visits to the Academic System of the most excellent Ministers

**Mr. Arnaldo
Hossepian Junior**
FFM Director General



**Prof. Dr. Tarcisio Eloy
Pessoa de Barros Filho**
FFM Deputy Director
General

Alexandre de Moraes (Federal Supreme Court and until then President of the Superior Electoral Court), André Mendonça (Federal Supreme Court), Bruno Dantas (President of the Federal Court of Auditors), Marco Aurélio Bellizze (Superior Court of Justice); the supervisor of the National Executive Committee of the National Judiciary Forum for Health (Fonajus), Councilor Daiane Nogueira de Lira (CNJ); judges, public prosecutors, among other authorities.

Through the Institutional Relations area, we held conversations with parliamentarians and stakeholders of the Chamber of Deputies and the Legislative Assembly of the State of São Paulo (Alesp). In 2024, we received R\$158 million from an amendment proposed by the São Paulo parliamentary group in the Chamber for improvements in assistance and health services, such as adaptations to the spaces for serving SUS patients and renovation of the technology park, the result of joint work by the top administration of the HCFMUSP Complex and the Executive and Legislative Branches. An unprecedented fundraising.

As part of our ongoing quest for effectiveness, we have invited renowned experts in various fields to join our Advisory Board for the 2024-2028 period. The idea is to draw from these individuals a little of their experience, provide resources, legitimacy and, more than that, to have true participatory governance here, that is, debated ideas that go beyond the scope of the executive boards of FMUSP, HCFMUSP and FFM.

This collaborative spirit can be observed at all levels of decision-making. This year, FFM's Strategic Planning entered the practical implementation phase, with dozens of leaders responsible for actions planned through 2027. Even before any results from the efforts of three Strategic Planning cycles, we have already emerged with an immeasurable transformation: integration with the FMUSP-HC Academic Health System. We are consolidating a new culture in which FFM, understanding itself as part of the System, acts more proactively to meet the desires of the best provision of Assistance, Education, Research, Innovation and, consequently, the demands of the population.

The Foundation is moving from an analogical view of our daily lives to a more integrated perspective, aligned with the new times, in which the search for improvement in what we do must be constant. In 2024, in an unprecedented way, training was offered to all employees, while a group of 46 people participated in the Leadership Development track.

With a robust corporate governance framework, we are able to look outward and listen to society's urgent demands. The ESG (acronym for Environment, Social and Governance) agenda meets this demand. A survey of good practices that adhere to our institutional model is being conducted by FFM's Strategic Planning. First of all, we can mention our driving force in Governance, precisely because of our commitment to transparency and responsibility in the allocation of public resources.

As for the social area, the "Prevention of Harassment and Discrimination" program was launched in 2024, with the publication of a handbook and training. More than ever, our Compliance department has been proactive, not only in the area related to the verification of our financial and organizational protocols, but also in the ethical relationship between employees. This brings a new awareness to the staff that, in fact, we care about having a healthy environment in which to carry out our work activities.

Since 2022, several policies and guidelines have been reformulated. This year, we published new Purchasing and Personnel Recruitment Regulations, aiming to provide greater transparency, speed and qualification to these processes. The documents were approved by the FFM Board of Trustees and the Foundations' Trusteeship of the Public Prosecutor's Office of the State of São Paulo. However, regarding internal restructuring, when we complete the process of implementing an ERP (Enterprise Resource Planning) system, which digitally integrates all sectors, we will have taken a major leap towards FFM being truly modernized and computerized, which is essential for our agility to gain more and more traction. At this time, at the beginning of 2025, we have an open call for tenders to hire a specialized company.

We end 2024 proud of the progress in the recognition of civil health support foundations as essential for the provision of efficient, humanized and quality services. We will continue to work ethically, transparently and in an increasingly integrated manner with the FMUSP-HC Academic Health System, contributing to the effectiveness of the public health service and reaffirming our role as a benchmark in Assistance, Research, Teaching and Innovation.

PRESENTATION



FFM IN NUMBERS

CARE PROCEDURES + FREE HOSPITALIZATIONS FOR SUS PATIENTS	AMOUNT	PAGE
Transplants and Implants (SES-SP Agreement) (*)	823(*)	49
Ambulatory Statement - Authorization for High Complexity Procedures – APAC (SES-SP Agreement)	144,468(*)	50
Pharmaceutical Care - Quantity of Medicines from CEAF (SES-SP Agreement)) (*)	44,192,622(*)	51
ICHC + PAMB – Assistance in Medical Specialties (SES-SP Agreement)	9,129,126	53
IPq – Assistance in Psychiatry (SES-SP Agreement)	59,056	55
IOT – Assistance in Orthopedics and Traumatology (SES-SP Agreement)	282,742	56
IMRea - Vila Mariana, Umarizal, Lapa and Clínicas Units (SES-SP Agreement)	225,836	58
ICr - Health Assistance for Children and Adolescents (SES-SP Agreement)	936,586	62
InRad – Radiology Assistance (SES-SP Agreement)	250,255	63
AIDS House (SES-SP Agreement)	49,123	67
C.S.E. Butantã (SES-SP Agreement)	5,518	68
Icesp + ITACI (Management Contract)	694,628	69
Lucy Montoro Rehabilitation Institute – IRLM (Management Contract)	28,095	73
Perdizes Institute - IPer - (Management Contract)	2,192	78
CEMIM – IOT - Number of Surgeries and Ambulatory Care (SES-SP Agreement)	2,055	81
Emílio Ribas Institute of Infectious Diseases - Number of Exams (SES-SP Agreement) (****)	326,867	82
CEDMAC - Number of Services (SES-SP Agreement) (***)	11,344	82
Várzea do Carmo Assistance Management Center (SES-SP Agreement)	13,376	82
Adult and Pediatric Kidney Transplant Project (SES-SP Agreement)	2,316	83
Speech Therapy services + Surgeries + Ambulatory Clinic for Patients Labiopalatine Clefts (Other Agreements)	861	84
TOTAL	12,019,976	

(*) Informative quantity only and not considered in the Total Attendances

(**) Quantity from January to June 2024

(****) Quantity from January to August 2024

(****) Quantity from January to November 2024



THE FFM

Created in 1986 by former students of the Medical School of the University of São Paulo (FMUSP), the Medical School Foundation (FFM) is a private, non-profit organization that promotes Education, Research, Assistance and Innovation in health care. Its areas of activity include supporting the activities of FMUSP and Hospital das Clínicas (HCFMUSP); brokering agreements with the Government and private institutions, both national and international; and administering management contracts as a Social Health Organization (OSS). The institution is certified by the Ministry of Health as a Charitable Social Assistance Entity.

According to data from the Ministry of Health (2023), FFM is the largest private non-profit foundation in the country in terms of supporting outpatient and hospital production. In total, FFM has around 12,000 employees working directly in care activities for Unified Health System (SUS) patients, in addition to approximately 400 professionals allocated to administrative functions.

FFM provides the population of São Paulo with comprehensive, quality and free medical care at HCFMUSP, the largest hospital complex in Latin America, through the Comprehensive Health Care Agreement for Patients of the SUS, signed since 1988 between HCFMUSP and the São Paulo State Health Department (SES-SP).

As a support foundation, FFM contributes to improving the administrative and financial management of the Medical School of the University of São Paulo (FMUSP) and HCFMUSP, providing greater agility, efficiency and assertiveness to academic and care initiatives in the health areas. This management model was regulated at the state level by the Foundations Law (No. 17,893/2024, Decree No. 69,125/2024), which establishes rules for the handling of public funds by support foundations linked to universities in the health area.

FFM worked vigorously to coordinate efforts with the state parliament and executive power to raise awareness for the need of legislation to parameterize a consolidated practice, but which lacked regulation, in order to guarantee greater autonomy and legal security to the institutions; in addition to safeguarding health care for the population. From this milestone, the Foundation began to carry out its activities with greater legal support and well-established parameters of transparency and accountability.

Its initiatives include the development, support and management of hundreds of Comprehensive Health Care, Assistance, Institutional, Research, Innovation, Clinical Studies and Health Policy Projects, through agreements signed with national and international public and private institutions, with the hiring of researchers and professionals allocated directly to research, in addition to the acquisition of materials and equipment.

One of the main ongoing projects is the Digital Health Agreement (No. 01/2023), which aims to implement innovative initiatives in public health throughout the State of São Paulo. It is the first and largest Research, Development and Innovation (RD&I) Program in Digital Health in the state public network. The Program is being developed in partnership with HCFMUSP, with the intervention of FFM, which carries out the administrative, financial and legal management of the RD&I Agreement, aiming to create disruptive solutions to expand access to quality health care.

The goal is to carry out four teleconsultation initiatives over 36 months in order to collect data and information to build innovative solutions to expand access to health care and promote quality at all levels of care. These are: AME+Digital, which transforms the Medical Specialty Outpatient Clinic through a unified platform, qualified triage, teleconsultation and a virtual application; TeleAPS, an experience in which technology is inserted into Primary Health Care, through teleconsultations and online scheduling of exams for patients at Basic Health Units and the Family Health Strategy programs, in addition to offering qualifications in the area of digital health to update and disseminate knowledge of FMUSP and HCFMUSP in best practices involving new technologies; TeleSAP, for teleconsultations for people deprived of liberty under the tutelage of the Penitentiary Administration Secretariat; and Tele UTI, aimed at assisting teams at public hospitals with discussions on the clinical conditions of patients admitted to Intensive Care Units.

As an OSS, a qualification obtained in 2008, FFM is responsible for the direct management of the Cancer Institute of the State of São Paulo (ICESP), a benchmark in oncology treatment and research in Latin America; the Lucy Montoro Rehabilitation Institute (IRLM), a center of excellence in rehabilitation; and the Perdizes Institute (IPer), a unit specialized in the treatment of people who make harmful use of psychoactive substances.

In this model, FFM ensures that the Assistance, Teaching, Research and Innovation services are carried out with quality, effectiveness and humanization, in accordance with the best practices recommended in the initiatives offered and in health management. The budget is executed according to a well-structured strategic plan linked to the assistance and quality goals, with due accountability. Under its leadership, the Institutes received accreditations and awards of national and international recognition, in addition to positive evaluation by users – patients and family members.



Disclosure: FMUSP

Members of FFM Advisory Board are sworn in

Recognized for its significant philanthropic legacy, FFM began a transformation process in 2022 to better respond to current and future challenges. To this end, the institution revised its internal regulations; established a Fiscal Council, whose objective is to monitor governance protocols and suggest improvements in accordance with best market practices; created the Compliance Office, responsible for internal integrity, auditing, and prevention mechanisms and procedures; expanded the Legal Department to act preventively in relation to regulators, in addition to analyzing changes in legislation and their impacts.

The Transparency Portal was reformulated and expanded, as were the communication channels.

In the management sphere, the 2023-2027 Strategic Plan was established, with the support of an external consultancy, and a cycle of annual leadership meetings was initiated to propose and monitor initiatives.

FFM's top administration has an Advisory Board, Fiscal Board and Board of Trustees, the highest body whose presidency also corresponds to the leadership of FMUSP and the Deliberative Council of HCFMUSP, in order to preserve the conformity of the strategies.

FUNDAÇÕES DE APOIO

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This robust governance structure ensures that FFM's decisions are reliable and subject to external audits and inspections, including those of the Public Prosecutor's Office of the State of São Paulo, both in general and in specific project funds and programs. In addition, it fosters an organizational culture based on transparency and ethics in all its relationships.

2024: Dialogue and legitimacy of the foundational model

With the purpose of promoting debates with all levels of society and establishing best practices in governance, integrity, efficiency, transparency, sustainability and innovation in order to achieve the objectives proposed by the foundational model, FFM was one of the organizers of the launch of the Foundations Forum. The Forum was launched at the Colloquium of Foundations in Support of Public Social Services, held in November, in partnership with the Arcadas Foundation, in the Main Hall of the Law School of the University of São Paulo.

More than 150 members of other institutions were present at the event, such as FAEPA (Foundation to Support Teaching, Research and Assistance of HCFMRP-USP), FAMAR (Foundation to Support the Marília School of Medicine and the Marília Clinical Hospital), Butantan Foundation, and government agencies, such as IAMSPE (Institute of Medical Assistance for State Civil Servants of São Paulo). Among the authorities were: Supreme Court Justice Alexandre de Moraes; Superior Electoral Court Justice and Full Professor at the USP School of Law, Floriano de Azevedo Marques Neto, PhD; Coordinating Judge of the Health Executive Committee of the CNJ (National Council of Justice), Ms. Mônica de Almeida Magalhães Serrano; Attorney General of Justice, Mr. Paulo Sérgio de Oliveira e Costa; Dean Carlos Gilberto Carlotti Junior, PhD; and USP Deputy Dean Maria Arminda do Nascimento Arruda, PhD.

In its relationship with supplementary health insurance providers, the Foundation was recognized within the 2023 Bonus Program of Seguros Unimed for its "performance in quality, patient safety and operational efficiency indicators". The award was presented in May 2024 and was based on patient safety protocols and clinical guidelines, electronic medical records, participation in training programs and continuing education.

Through the Institutional Relations area, dialogue with parliamentarians at the federal and state levels has been intensified to present the projects, innovations and needs of the FMUSP-HC System in serving the population. The Foundation ended 2024 with an even more strategic and proactive role with the HCFMUSP Complex.





The institution participated in the tributes to the 80th anniversary of HCFMUSP, in addition to taking part in conferences and meetings, such as the HCFMUSP Expanded Leadership Meeting, held on November 18.

On the occasion, the Director of Corporate Management, Mr. Felipe Neme de Souza, presented a panel on the “Challenges of People Management at the HCFMUSP Complex” in the Auditorium of the Rebouças Convention Center (CCR).

The Compliance Office launched the “Harassment and Discrimination Prevention Handbook” accompanied by awareness-raising lectures in different areas and institutes to address the issue.

The first to receive it were the Perdizes Institute (IPer) and the Digital Health team. The initiative has the support of the Organizational Development Coordination (People Management) and is deeply associated with the human and citizenship values assumed by the Foundation in recent years.

In order to improve the talent retention rate at the HCFMUSP Complex, the People Management departments of FFM and HCFMUSP began to provide onboarding (welcoming reception for new employees) in an integrated and structured manner, with lectures about the institutions before the start of work and closer monitoring of each integration.

The hiring process itself was reformulated to ensure greater qualification and adherence to the necessary profiles.

In terms of technology and operations, one of the major ongoing projects that should ensure a leap in efficiency for the Foundation's processes is the digital transformation through a ERP (Enterprise Resource Planning) software, whose procurement notice was published at the end of 2024, after careful validation by the FFM Board of Trustees.

The hiring of the ERP should expand the systematization and automation of FFM's processes, providing greater integration, agility and improved quality in deliveries. In parallel, other automation initiatives are being developed in the purchasing and financial areas.

Due to its uniqueness, FFM has specific computerized systems that support administrative operations, both within the scope of internal, legal, regulatory demands and for the HCFMUSP Complex – solutions implemented through its Information Technology Department (DTI).



TIMELINE

1988

Signing of a **cooperation agreement with the State Department of Health (SES)**, which provides for joint activities, such as billing for medical and hospital care services, people management at the Medical School of the University of São Paulo (FMUSP) and Hospital das Clínicas (HC), investment in infrastructure projects, and purchase of medical equipment and hospital supplies. The financial resources from these actions are fully applied to care for Unified Health System (SUS) patients, in accordance with the determinations of its governing bodies.

2000
to 2008

Restoration and Modernization Project for FMUSP facilities with support from the Medical School Foundation (FFM). In addition to restoring the historical heritage, a cultural change was also promoted throughout the community of the FMUSP-HC Academic Health System. The School building was completely renovated, as were other buildings on campus, with the construction of new facilities. Both the coordination of the Project and the raising of funds were shared between FFM and FMUSP.

2008

The Foundation became a **Social Organization**. The change allowed for the modernization of control systems and processes, without the need for a significant increase in the direct administrative team.

In the same year, the Institution signed a management contract for the activities and health services of the **Cancer Institute of the State of São Paulo (Icesp)**, which serves the SUS patients from all over the state for complex treatments.

2010

A contract was signed for the management of the **Lucy Montoro Rehabilitation Institute (IRLM)**. Opened in September 2009, the Institute was designed to be a center of excellence in treatment, teaching and research in rehabilitation.

2020

During the health emergency caused by the **COVID-19** pandemic, FFM worked in full integration with the management bodies of FMUSP and Hospital das Clínicas to transform the Central Institute of Hospital das Clínicas (IHC) into an exclusive treatment center for COVID-19 patients. The Institution played an undisputed role in providing legal support for the Agreements signed with public agencies and private institutions, in facilitating the immediate hiring of external workforce to provide the IHC with health care professionals and in the acquisition of equipment and supplies, among other actions.



Signing of the contract for the management of the **Perdizes Institute (IPer)**, a reference unit for the treatment of people who make harmful use of psychoactive substances, which opened in November 2022.

Reformulation of regulations, such as the Bylaws, Internal Regulations, Purchasing and Contracting Manual, Code of Conduct, among others, to provide greater agility and efficiency in the processes of the FMUSP-HC System.

2022

In commitment to transparency, the **Fiscal Council and the Compliance Office (integrity) were created, as well as reporting channels and direct communication with the board of directors.**

The **Anti-Bribery and Anti-Corruption Policy** was published.

Beginning of the creation of a **Strategic Plan** to guide FFM's actions and innovations until 2027.

Implementation of **Critical Analysis Meetings (RACs)** with area leaders to analyze indicators in search of better efficiency.

2023

Launch of the **Service for Information and Assistance (SIA)**, responsible for assisting and guiding the public, both internal and external, regarding access to information, with reporting to Administration.

Expansion of the **Transparency Portal**.

Following support from FFM, the **Foundations Law** (No. 17,893/2024) was sanctioned in April, regulating the management of university hospitals in their agreements signed with the Public Authorities, ensuring the autonomy of the Institutions and providing greater legal certainty during partnerships. The legislation was regulated with the publication of **State Decree No. 69,125**, on December 9, 2024.

2024

New Regulation for Hiring Personnel by FFM for the FMUSP-HC Academic Health System with innovations in the criteria and in the management of the stages. Update of the **Purchase Requisition form** for a faster and more assertive process.

Compliance Office launches **"Harassment and Discrimination Prevention Handbook"** linked to awareness campaigns.

People Management Departments at FFM and HCFMUSP now provide onboarding (welcoming reception for new employees) in an integrated and structured manner.

STRATEGIC MANAGEMENT



Disclosure: FFM

III FFM Strategic Planning Meeting

In 2024, the Strategic Planning: “Transformation for Effectiveness” entered the execution phase. To begin with, a Strategic Committee was created with collaborators from different Departments with the intention of exchanging experiences within the Foundation, so that they could become multipliers in their respective areas of the ideas discussed in the Workshops held periodically.

The Committee developed proposals for strategic guidelines for the cycle up to 2027, including the Strategic Map and Objectives, which will serve as references to guide the Institution's initiatives and describe 47 macro-actions with goals within the period. The proposals were approved in May by FFM's Director General, Arnaldo Hossepian Junior. In the workshops held by the Strategic Committee, the Organizational Identity (Mission, Vision and Values) and FFM's value chain were also reviewed and adjusted.

During the process of preparing the Strategic Map and Objectives, the Foundation also began a Risk Management study, which identified potential factors that could impact the Foundation's activities, established preventive measures and action plans, which resulted in FFM's Risk Management Policy.

This Change Management stage was accompanied by a communication strategy that included: the redesign of the Strategic Planning page on the Intranet, bringing together all information in one place; the launch of a podcast on the theme “Inside Strategic Planning” and a monthly quiz; in addition to the application of a display on the Foundation's monitors with a QR Code link to the page.

The strategy also included the publication of records of meetings between the members of the Strategic Committee and employees in their areas in the special section “FFM Moments”.

In parallel with the Committee's actions, the Foundation involved managers in a training itinerary, on the Leader Development Track. The program mobilized 46 employees in 42 hours of study, with in-person and distance learning modules, between June and November, in addition to individualized mentoring meetings for 16 leaders.



Disclosure: FMUSP

Lecture with Professor Mario Sergio Cortella

With this program, FFM sought to offer the necessary support so that participants could strengthen their teams, being at the same time attentive to the needs of their areas and the main current organizational challenges, which include concerns about mental health, effective communication and the development of people aligned with the Institution's values. The module of the Track "What is it like to be human?", on empathy and emotional intelligence, was extended to all employees.

The results achieved were presented at the III Strategic Planning Meeting, in October 2024, when themes and projects for 2025 were also discussed, with a focus on ESG and innovation.

In December, to close and celebrate the Planning activities, the Foundation offered a lecture with the Philosopher, Writer and Professor Mario Sergio Cortella, on the theme "Turbulent Scenarios, Rapid Changes", for approximately 870 people at CCR, including employees of the Foundation, FMUSP and HCFMUSP.

Governance as a driving force



To maintain robust, fast and assertive governance, the Medical School Foundation has maintained, since 2023, the Performance Analysis Panel, which quickly provides crucial information to support the decisions of managers and directors. The tool presents a comprehensive overview of the Institution's performance, bringing together indicators from the FFM Departments, as well as from the Management Contracts and the Transparency Portal.

Based on this information, every quarter, the directors conduct Critical Analysis Meetings (RAC) with managers to listen and discuss the progress of projects, deadlines, application of resources and opportunities for improvement, evaluating the effectiveness of the Institution's processes. Through this tool, the Board of Directors has support for strategic and assertive decisions in order to improve operational effectiveness, map and manage risks and increase the quality of services provided by FFM to the FMUSP-HC System.

TRANSPARENCY



Transparency is one of FFM's core values, considering that clarity and access to information are essential to demonstrate the integrity of its actions. As a private social assistance entity, it follows good governance practices for accountability and transparency, both to society, to its internal public, and to regulatory bodies, all of which are constantly publicized (www.ffm.br).

The organizational culture is also guided by transparency and ethics in all relationships, through initiatives such as: Sharing Channel, for direct conversations with the board of directors; the Service for Information and Assistance (SIA), which provides guidance on access to information; and FFM Practical Guide to Guidelines, with all flows involving internal and external audiences.

The Foundation is subject to the legal and regulatory frameworks applicable to non-profit philanthropic entities, established in national legislation and by the relevant bodies, mainly the Public Prosecutor's Office of the State of São Paulo, in addition to specific laws and rules according to the nature of the funds and resources managed.

Important internal approvals, such as changes to regulations, are assessed by both FFM Board of Trustees and the Public Prosecutor's Office. Likewise, changes related to expenses and revenues are submitted to the State Audit Court (TCE), which is responsible for this oversight. FFM is also regularly assessed by external audits and oversight, both in general and in specific funds and project programs.

One of the Foundation's highlights is its Transparency Portal, considered a model for the State Comptroller General's Office, in accordance with the demands imposed on support foundations in the health area, such as the Access to Information Law (No. 12,527, of November 18, 2011) and Decree No. 68,155 (December 9, 2023), which provides, at the state level, for access to information, in addition to guidelines from the Comptroller's Office and the TCE-SP, and notes from the State Health Department. The Portal has been improved to facilitate access to data in full, through better navigation, accessibility technologies for people with disabilities, search tools, informative texts for each Management Agreement/Contract and, lastly, the possibility of exporting reports in open formats (electronic spreadsheets).

Since 2022, the content has grown from around 400 files to over 2,200, enabling greater social control and indicators for reference in the analysis and formulation of public policies. This data governance with increasingly agile information availability strengthens the relationship with oversight bodies, promoting a significant closer relationship.



Commitment to transparency implies a constant challenge as technology advances. Therefore, at the end of 2024, FFM carried out an internal audit to expand the publication of information through its Portal.

In addition, the Foundation promotes constant dialogues with the Powers and other private law social institutions in the health area; and scientific and academic communities.

The efforts to coordinate the processing and sanctioning of the Foundations Law (No. 17,893/2024) relied on the leadership of FFM in talks with the Legislative and Executive Branches. The project was authored by Congresswoman Bruna Furlan (PSDB), president of the Health Committee of the Legislative Assembly of the State of São Paulo (Alesp), and included legal diagnosis, concepts and original proposals resulting from work coordinated by the member of FFM Advisory Board, president of the Brazilian Public Law Society (SBDP) and full professor at the FGV Direito SP, Carlos Ari Sundfeld, PhD.

This dialogue with the scientific communities, managers of various universities and hospitals, public controllers and consultants was essential for the final drafting of the text. As a result, the entities of the foundational model began to have greater legal support in their activities.

Based on the Law, the Unified Health System (SUS) – Health Care Agreement (No. 01/2024), signed between the State Department of Health, HCFMUSP and FFM, began to establish strict internal control measures, ensuring efficient and safe administration, such as: implementation of more effective internal procedures to improve administrative and financial management; commitment to quality in the provision of health services and monitoring of services in university hospitals; prevention of labor, social security and regulatory risks, ensuring compliance with current laws; strengthening integrity with actions against corruption, including measures to prevent bribery and undue payments; continuous assessment of productivity and results, in addition to strict monitoring of the application of financial resources; and full transparency in the disclosure of information, ensuring that relevant reports and data are accessible to the public.

The Foundation has also strengthened its dialogue with regulatory bodies to ensure that the information required for accountability is transmitted as determined and that any questions are promptly answered. As a result, FFM reached the end of 2024 with all of its accounts approved by regulatory bodies.

As for the top administration, after the elections for the four-year term (2024-2028) of the Advisory Board, which has the role of connecting the Institution with society, the Foundation now has renowned experts in several areas of activity: Minister Paulo Dias Moura Ribeiro, of the Superior Court of Justice; Mr. Antônio Cláudio Mariz de Oliveira, criminal lawyer; Eugênio Bucci, PhD, Full Professor at the School of Communication and Arts of the University of São Paulo (ECA-USP); Mr. Georghio Tomelin, Advisor to the Public Ethics Commission, linked to the Presidency of the Republic; Mr. Mario Luiz Sarrubbo, National Secretary of Public Security; and Mr. Reinaldo Papaïordanou, businessman.

The goal is for them to contribute with their experience and legitimacy, as well as to give FFM a truly participatory governance, with debates that go beyond the scope of FFM Executive Board and the supported entities, FMUSP and HCFMUSP.

FFM hopes to remain at the forefront of discussions on the needs and demands of the model, which are of critical importance in providing public services to the population.

CORPORATE GOVERNANCE



Disclosure: FFM

Facade of the FFM administrative headquarters

In 2022, FFM's Bylaws were amended, resulting in changes to some of its management bodies.

With the amendment of its Bylaws in 2022, FFM's Top Administration is now made up of the following bodies:

BOARD OF TRUSTEES: This is the highest body of FFM, which, due to its qualification as a Social Organization, is also called the Board of Directors.

ADVISORY BOARD: Its role is to assist the Board of Trustees, as well as the Executive Board, in achieving the statutory purposes of FFM.

The Boards are chaired by the Director of FMUSP, who also chairs the Deliberative Council of HCFMUSP. The synergistic relationship with the Board of Directors of FMUSP, its Congregation and with the Deliberative Council, Planning and Control Committee, Clinical Board and Superintendence of HCFMUSP further enhances and leverages the joint actions they carry out.

FISCAL COUNCIL: Created in 2022, its purpose is to independently exercise financial and accounting oversight of the administrators' management practices and FFM activities, with the purpose of maintaining the proper functioning of the Institution.

EXECUTIVE BOARD: Composed of the Director General and Deputy Director General, who conduct strategic activities within the scope of FFM's management.

In addition, it now has a Compliance Office, responsible for internal integrity, auditing and prevention mechanisms and procedures, as well as the Service for Information and Assistance (SIA), to handle requests from internal and external audiences.

COMPLIANCE: Its purpose is to develop and monitor institutional activities and is responsible for FFM's internal integrity, auditing and prevention mechanisms and procedures.

Among the activities developed in 2024, the following stand out: the creation of the Harassment and Discrimination Prevention Handbook; review of FFM's Daily Allowance and Travel Regulations; review of the Regulation on Payments and Reimbursement of Corporate Expenses; Review of FFM's Financial Conflict of Interest Policy.

More than 60 complaints were investigated, covering various Compliance topics, mainly violations of the Code of Conduct or non-compliance in general, more specifically regarding moral harassment, mismanagement, inappropriate conduct and non-compliance with processes. Complaints are received through the reporting channel or can be sent directly to the email compliance@ffm.br.

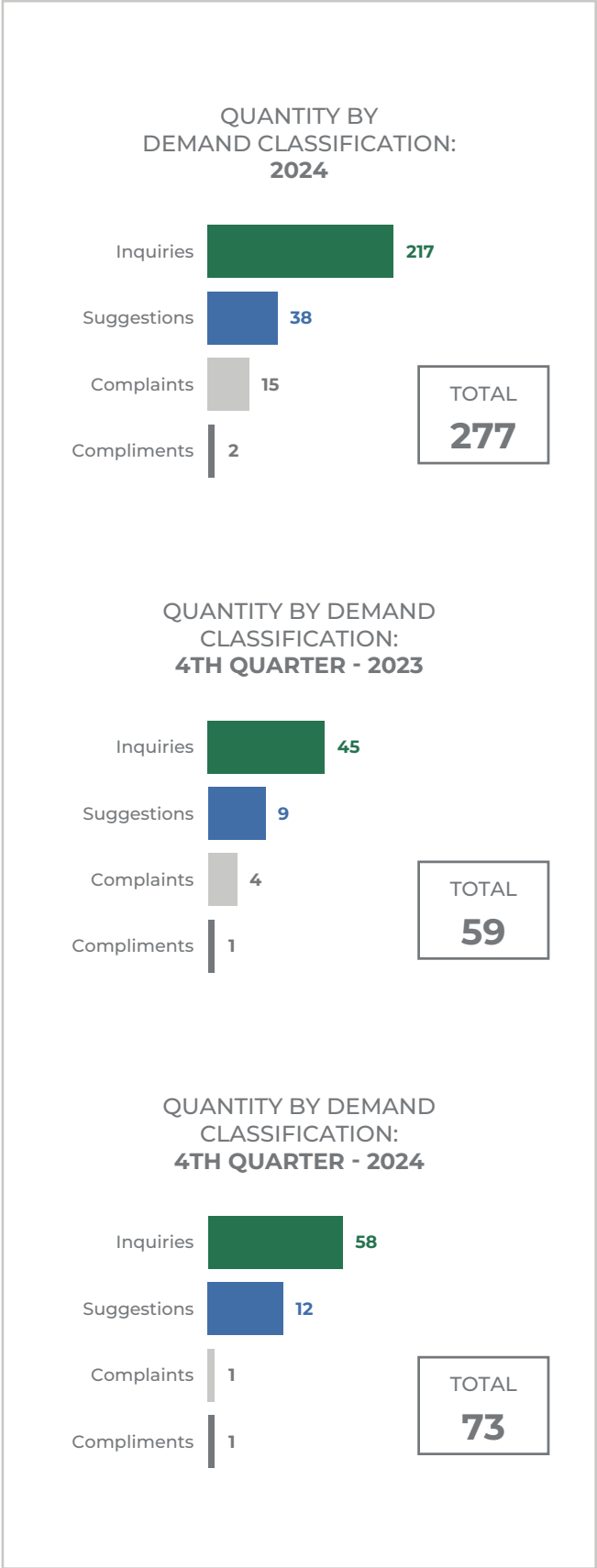
Considering the regulatory attributions of the Compliance Office, specifically with regard to guidance, advice and preparation of opinions aimed at FFM managers and employees, approximately 40 statements were prepared in 2024 by the Compliance Office through opinions registered by email or calls for meetings to clarify issues related to various topics, mainly, but not exclusively: information security; data protection and integrity; conduct investigation reports; conflict of interest; analysis of non-conformities and/or fraud in processes; third-party due diligence; and review of contracts with third parties.

The Compliance Office participated in the implementation of the Risk Management Program, with progress in the application of the Risk Management Policy and the Internal Regulations of the Risk Management Committee, in addition to promoting the identification and assessment of risks. The program also supports the execution of risk treatment plans, ensuring a solid and proactive approach to risk mitigation within FFM.

Service for Information and Assistance (SIA): This is an independent and impartial communication channel linked to the Top Administration, responsible for assisting and guiding internal and external audiences regarding access to information. According to FFM Internal Regulations, the area’s responsibilities are: to provide the requested information to the applicant, in a clear and precise manner, or to indicate where the information can be found; to assist and guide the public regarding access to information; to grant access to information, when available; to receive and respond to demands (suggestions, complaints, compliments and inquiries) from both members of the community and the external public; and to record all requests received and the responses offered to users.

From January to December 2024, the SIA received 277 requests. Of these, 79% were questions, 14% were suggestions, 6% were complaints and 1% were compliments. Since the start of SIA activities on March 10, 2023, until December 31, 2024, 515 requests were registered, originating from different audiences: 370 from the external public, 75 from employees and 70 from former employees.

A comparative analysis between the 4th quarter of 2023 and the same period in 2024 reveals an increase in the total number of registrations. In addition, there was a reduction in occurrences classified as “complaint” and an increase in requests classified as “suggestion”, reflecting greater engagement and focus on continuous improvements.



The SIA ensures the maintenance and confidentiality of information received by email or registered through FFM website, as well as the respective sharing and responses, as established by the General Data Protection Law (LGPD – Law No. 13,709/2018). The investigation of complaints, irregularities and infractions of any nature are the responsibility of the Compliance Office.

The execution of corporate activities is directly linked to its four Boards:

CORPORATE MANAGEMENT BOARD, where the Business and Market Relations Departments; Communication; and Projects, Research and Innovation are located;

ADMINISTRATIVE BOARD, (currently associated with the CORPORATE MANAGEMENT BOARD), where the Supplies and Operations Departments; Information Technology; and People Management are located;

FINANCIAL BOARD, where the Financial; Controllershship; and Billing Departments are located; and

LEGAL BOARD, where the Judicial and Administrative Litigation; Contracts; and Consulting areas are located.

Each Department has a leader with technical and managerial expertise, who coordinates their team with lucidity, determination and responsibility.

Established to organize the Institution's responsibilities and competencies, the duties of the approximately 400 (December/2023) professionals in the direct administration of FFM who make up each Board and respective Departments are as follows:

CORPORATE MANAGEMENT BOARD: Its objectives are to conduct the Institutional Strategic Planning, execute the corporate strategy, as well as the general guidelines approved by the Councils and the Executive Board, in addition to establishing management policies and managing programs, projects and strategic goals, carrying out institutional work, together with the top administration of FMUSP and HCFMUSP, to raise public and private funds.

The following Departments are linked to the Corporate Management Board:

Business and Market Relations: Its premise is to manage commercial relations and relationships with health insurance companies and other sources of payment for assistance services provided by the HCFMUSP Complex.

In 2024, the department's reorganization stood out, especially with a focus on equipping itself to produce studies for the provision of services based on parameters that were not covered in pricing, such as the cost of procedures, prices charged in the supplementary health market, prices paid by the Unified Health System (SUS), especially the SUS Paulista Table, and the provision of procedure packages compatible with the demand of paying sources, in addition to the creation of a specific structure for prospecting new clients.

In the transition of the patient care management system at the institutes, from the Multimed (Phillips) platform to MV Soul, records and tables that were incomplete or inadequately registered in automatic routines were reparameterized, allowing contract information in the system to become the sole source for routine patient care (scheduling, authorizations, outpatient and hospitalization care, and forwarding to doctors) and consultations on the agreed contractual rules.

The reparameterization involved all employees in the department and included the analysis and review of approximately 2 million business rules, including operators, plans, prices, coverage, gatekeepers, packages and prohibitions.

Revenue from operators, impacted by the price adjustments formalized in practically all existing contracts, had a positive impact on revenue, with an increase of approximately R\$10 million compared to revenue in 2023, representing approximately 6% in the period, despite the crisis in the supplementary health segment that marked the year with actions to de-accredit services and intensify restrictive actions for authorizing procedures, especially by the largest operators on the market.

Affected by the actions to develop and offer new packages, and including the training of CAM employees on billing and account auditing practices in supplementary health, revenue from private individuals increased by almost R\$2 million compared to revenue in 2023, representing an increase of approximately 20% in the period.

Despite being recent, the structure for capturing new clients has prospected more than 150 institutions, generating more than 30 ongoing negotiation processes, some of which have good expectations of closing a deal, and with the formalization of a contract with a new client in 2024.

The structure that manages existing contracts,

in addition to price adjustments and handling exceptions, formalized a significant contract extension with an operator not regulated by the National Health Agency (ANS), and three significant plan expansions with operators regulated by the ANS.

The support structure that enables prospecting, extensions and expansions of contracts carried out hundreds of studies on new products and tabulation of information on losses related to deadlines, disallowances and defaults, which also allowed the offering of new packages, and the tabulation of information on these losses.

Planning for 2025 is intensified with a focus on finding new customers to offset the trend of loss of production with large health plan operators regulated by the ANS, which are gradually expanding their own network of health services and associating with private hospital networks.

Communications: The Communications area seeks to safeguard FFM's institutional image, in addition to planning and executing the integrated communication plan, always focusing on the values of transparency and integrity, with the purpose of strengthening the Institution's image of modernity and effectiveness. It is responsible for institutional, internal and external communication, visual identity management, communication materials in general, internal and external vehicles (Intranet, website, social networks), communication campaigns, organization of events, press relations, definition and implementation of the communication policy, support to other areas and the board of directors in activities related to communication.

In 2024, the area played an important role in supporting FFM's areas by developing communication materials, formatting documents and handbooks; managing sections on FFM website and Intranet, as well as providing customized communication templates for each area, in addition to updating news and supporting conferences and institutional visits.

The area collaborated in implementing the Strategic Planning communication strategy, which included the creation of a specific page on the Intranet bringing together news with project updates, the "FFM Moments – Strategy in Practice" section, with video coverage of the activation of teams by managers, the "Strategic Planning Quiz", which tested employees' knowledge about the changes underway, and the "Podcast Inside Strategic Planning", which broadcast a chat between two employees of the Strategic Committee on key topics for the transformation of FFM.

The communications department was responsible for the operationalization, publication and disclosure of the initiatives. Seven podcasts, 20 videos from FFM Moments section and 9 editions of the Quiz were broadcast. In total, 53 news items were published on the Intranet. In addition, the Communications department participated in the operationalization of the 3rd Strategic Planning Meeting.

The Department also contributed to the editing, review and layout of FFM Work Plan and Activities Report.

Projects, Research and Innovation: Responsible for the administrative and financial analysis of all processes involving contracts/agreements signed with national and international public and private agencies, with the exception of the Management Centers (CGs) intended for the billing of medical care services for the SUS and Supplementary Health Care patients.

FFM participates in important projects, mainly focused on the prevention and treatment of diseases that affect the health of the Brazilian population. In December 2024, 341 projects were active at FFM, subsidized with public and private resources, both national and international, and 752 clinical studies, sponsored by the pharmaceutical industry.

In addition to ensuring correct compliance with the legislation and legal instruments linked to the projects, the Department of Projects, Research and Innovation (PPI) is also responsible for the financial analysis of other activities carried out by members of the FMUSP-HC System, such as: IRLM Management Contract, HCX (former EEP - School of Continuing Education) and ServCEX courses, donations, sponsorships, provision of various services, leases, etc., which represented, in 2024, more than 1,080 CGs, totaling more than 2,180 active CGs, including projects, clinical studies and various activities.

The PPI acts as a "gateway" for projects into the institution, carrying out a preliminary analysis of the processes, forwarding them to the respective areas, providing guidance on the rules of each subsidizing body and specific legislation, and alerting about changes in validity periods and spending deadlines.

Its role also includes the preparation, together with the Communications Department, of FFM's Work Plan and Annual Activities Report.

FINANCIAL BOARD: Its objectives are to conduct FFM's financial planning and develop the institutional investment plan, as well as develop projects and new business models to achieve the objectives of cost reduction, revenue increase and sustainable growth, in addition to effectively managing financial risk and ensuring adequate cash flow for institutional operations.

The following Departments are linked to the Financial Board:

Financial: It seeks to maintain the best results in the financial management of the Cash and the constant improvement of the receipt and payment services required by the FMUSP-HC System and other partners, through the most modern, agile and secure financial performance tools available on the market.

Controllership: Responsible for accounting, tax records, asset control, financial statements and managerial cash flows by Management Center (CG).

Billing: Responsible for billing for medical care services for SUS and Supplementary Health patients, as well as for collection, control and distribution of amounts related to services provided in the various units of the Hospital das Clínicas Complex, through actions implemented in the search for improvement and enhancement of these activities.

In the SUS segment, it also works on the processes of accreditation/credentialing with the Ministry of Health (MS) and various registrations, according to demands from DRS-I/SES and MS. It monitors and provides administrative support for external audits related to SUS processes.

The Medical Audit area of the FFM Billing Department is dedicated to analyzing medical records to assess whether the procedure performed is in accordance with what was billed in the account, as well as whether it complies with current SUS standards (SIH – Hospital Information System, Technical Operational Manual of the System – Brasília/Federal District, 2017). It also acts as an authorizer and promotes the guidance process for the Management Centers of the Hospital das Clínicas Complex, with a view to improving the quality of billing.

ADMINISTRATIVE BOARD (currently associated with the Corporate Management Board): Its objectives are to implement and supervise the standardization of processes, performance indicators and administrative measures in the various organizational sectors, in addition to developing and disseminating good practices, as well as the set of institutional policies, guidelines, beliefs and values. Currently, the Corporate Management Director also serves as Administrative Director.

The following Departments are linked to the Administrative Board:

Supplies and Operations (domestic market, imports and contracts): It executes the actions of acquiring materials, supplies, devices and equipment; contracting services, architectural projects, construction and renovations; payment for international services; import of goods and products, including customs clearance; with an emphasis on supporting research projects; administrative control of contracts (requests to FFM Legal Department for the issuance of new contracts and negotiations for renewals and amendments), and everything else that may benefit the FMUSP-HC System and other partner Health Units.

The statistics below only consider contracts whose processes were processed by Supplies and Operations (HCFMUSP Complex / FMUSP / Research Projects and Branches of Icesp, IRLM and IPer):

- In the domestic market, during 2024, 5,985 processes were carried out, with an initial value of R\$688.1 million and a final value of R\$666.4 million, generating savings of R\$21.7 million (3.16%), due to negotiations with domestic suppliers.

- In Imports, 172 processes were executed, with an initial value of USD2,901,058.00 and a final value of USD2,894,694.00, generating savings of USD6,364.00 (0.22%), due to negotiations with foreign suppliers.

Information Technology: Responsible for developing specialized systems, integrating and monitoring third-party systems, as well as evaluating and performing updates, ensuring the alignment of requests with all objectives defined by the strategic plan, considering its mission, vision and values. Also works on the implementation and modernization of the necessary technological infrastructure, ensuring information security, and meeting demands related to the advancement of quality and administrative and operational processes of FFM, as well as interaction with its partners HCFMUSP, FMUSP, Icesp, IRLM and IPer.

In 2024, the department defined the strategic planning for Information Technology (IT) through the Annual Work Plan and the Investment Plan, foreseeing projects aimed at corporate requirements for technological updating in information and communication. The alignment of IT initiatives with FFM's priorities ensures that investments and technological efforts meet immediate needs and contribute to the institution's sustainable development and continuous innovation. In addition, it maintains a close relationship with the IT and communication areas of HCFMUSP, aiming to share knowledge, optimize results and reduce costs.

In addition, FFM's IT has expanded its activities with strategic deliveries that support corporate projects, including the technological modernization of administrative and operational processes, reinforcing its essential role in supporting institutional demands.

People Management: In December 2024, the People Management Department managed 12,990 employees, including FFM's direct administration staff, FFM staff working for the FMUSP-HC System, complementary staff and staff assigned to specific projects to assist the population. Of this total, 386 employees are assigned to its direct administration, focused on supporting hundreds of the entity's social programs, as well as comprehensive health care and patient care activities for the SUS, developed by other professionals. The latter are hired on a complementary or full-time basis, thus seeking to stimulate the production of work in the areas of teaching, assistance and research, through material support and adequate remuneration.

In 2024, it continued the Personnel Training and Qualification Program, developed recruitment and selection activities for the entire FMUSP-HC System (more than 43 thousand candidates recruited and more than 14 thousand candidates evaluated), administration and payment of social benefits (R\$ 105 million) and salaries, involving payroll expenses of approximately R\$1 billion, in addition to coordinating the process of hiring, dismissals, leaves, vacations, positions and salaries, basic food basket, meal vouchers, transportation vouchers, among others.

LEGAL BOARD: Its mission is to ensure legal compliance in all FFM activities, adopting modern tools that promote efficiency in the execution of contracts and provide greater reliability to its operations, as well as to the activities developed in partnership with FMUSP and the HCFMUSP Complex.

In addition, it is responsible for preparing and implementing legal plans and goals for the Institution, continuously analyzing legislative changes and their impacts on various areas.

Acting strategically, the Legal Department evaluates, monitors and proposes improvements in governance processes, as well as in FFM's internal flows. It also manages and guides the Institution's actions in relation to processes and accountability to interested parties and external oversight bodies.

It is also responsible for the Institution's legal defense in the different spheres of the Judiciary, ensuring the protection of FFM's interests in proceedings of any nature. Based on the decisions and recommendations generated, it proposes strategic reviews of flows and operations in different areas of FFM and supported entities.

The departments subordinate to the Legal Department are divided into Litigation and Projects, Contracts and Labor, which have the following responsibilities:

Litigation and Projects: Defends the Foundation's interests in external control processes, except those of a labor nature, in progress at the Audit Courts and Public Prosecutors' Offices. This includes dialogue with Hospital das Clínicas and the State Department of Health, in addition to acting before the oversight institutions in all audits, financial statements, balance sheets and public civil inquiries involving FFM. It also sponsors FFM's interests in all bodies and instances of the Judiciary, except those belonging to the Labor Court. The area also provides support and facilitates institutional projects considered strategic, with emphasis on clinical studies, international research, innovation projects and real estate assets. Support includes drafting and reviewing draft contracts and terms, participating in negotiations and issuing opinions in internal consultations.

Contracts: Responsible for approving notices for procurement processes for goods, services and works, drafting standard templates of notices, contracts and other legal instruments to which FFM is a party, in addition to taking steps to execute them. The procurement coordination also provides consultancy services for matters within its jurisdiction, with the aim of ensuring that all documents meet legal requirements and are aligned with institutional interests. It ensures compliance with contracting processes, observing deadlines, conditions and essential clauses for the correct execution of contracted services and supplies.

Furthermore, the Coordination is responsible for monitoring all stages of the contracts throughout their term, ensuring efficient and results-driven management by monitoring deadlines and renewals and providing the necessary due diligence to comply with contractual obligations, in addition to instructing sanctioning processes. The area is responsible for identifying and mitigating contractual risks.

Labor: Responsible for litigation and consulting in the labor area, the Labor Coordination defends FFM's interests in legal and administrative lawsuits, in addition to providing legal advice on the application of labor laws.

Working to prevent litigation and comply with legal obligations, the area manages labor risks and provides opinions to mitigate liabilities, ensuring the alignment of institutional practices with current standards.

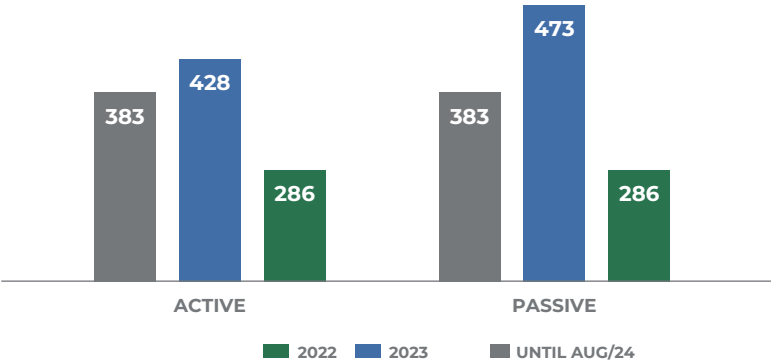
Whenever possible, it mediates conflicts and seeks out-of-court solutions. It is also responsible for the legal analysis of the granting of research scholarships, study scholarships, scientific, technological and innovation initiation scholarships, as well as scholarships aimed at innovation and technological development, ensuring that the granting processes are in compliance with legal and institutional standards.

LEGAL DEPARTMENT IN NUMBERS:

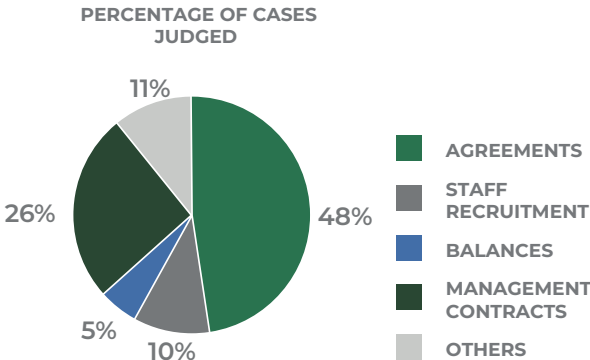
Litigation and Projects

PORTFOLIO EVOLUTION

TOTAL NUMBER OF PROCESSES PER YEAR



BALANCE OF JUDGMENTS

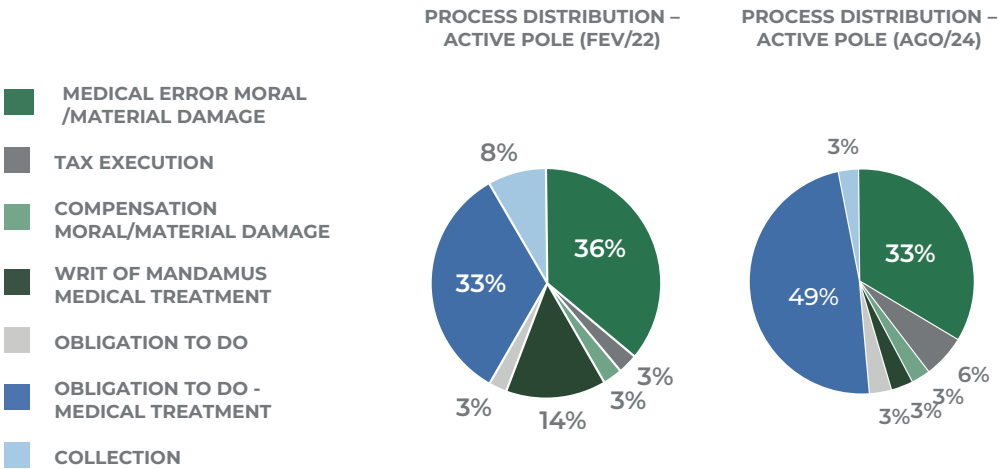


- No cases were judged irregular during the period.
- The categories “Agreements” and “Management Contracts” include the assessment of instruments with the transfer of public funds and the respective financial statements.
- The category “Others” includes procedures, such as the assessment of supplier selection notices, as well as inspections initially initiated by the Public Prosecutor’s Office.

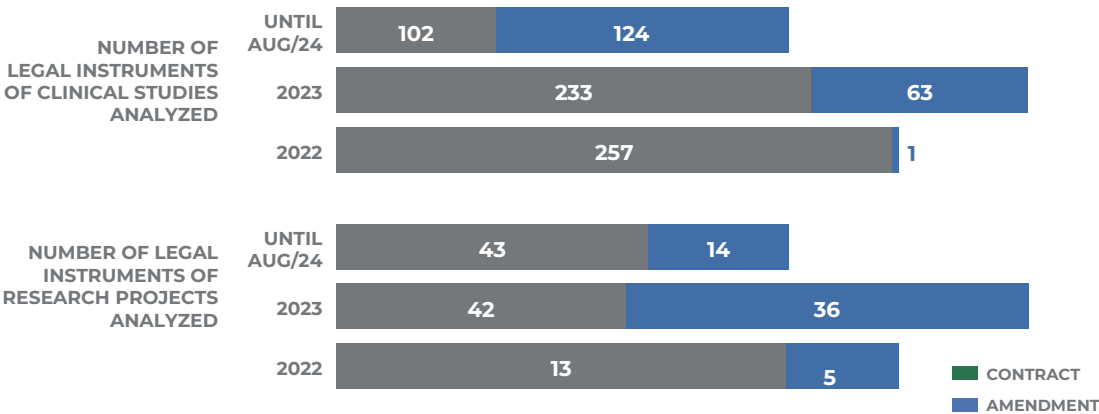


Litigation and Projects

PROFILE OF DEMANDS

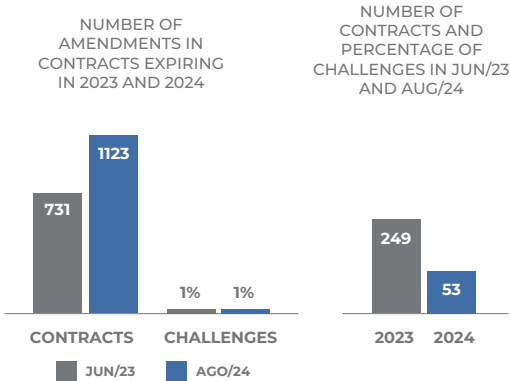


VOLUME OF INSTRUMENTS ANALYZED



Contracts

CONTRACTS



Even with the significant increase (53%) in hiring and contract processes, the number of appeals, challenges and complaints to the TCE remained at less than 1%

Significant decrease (79%) in amendments to expired contracts

OUT-OF-COURT AGREEMENTS

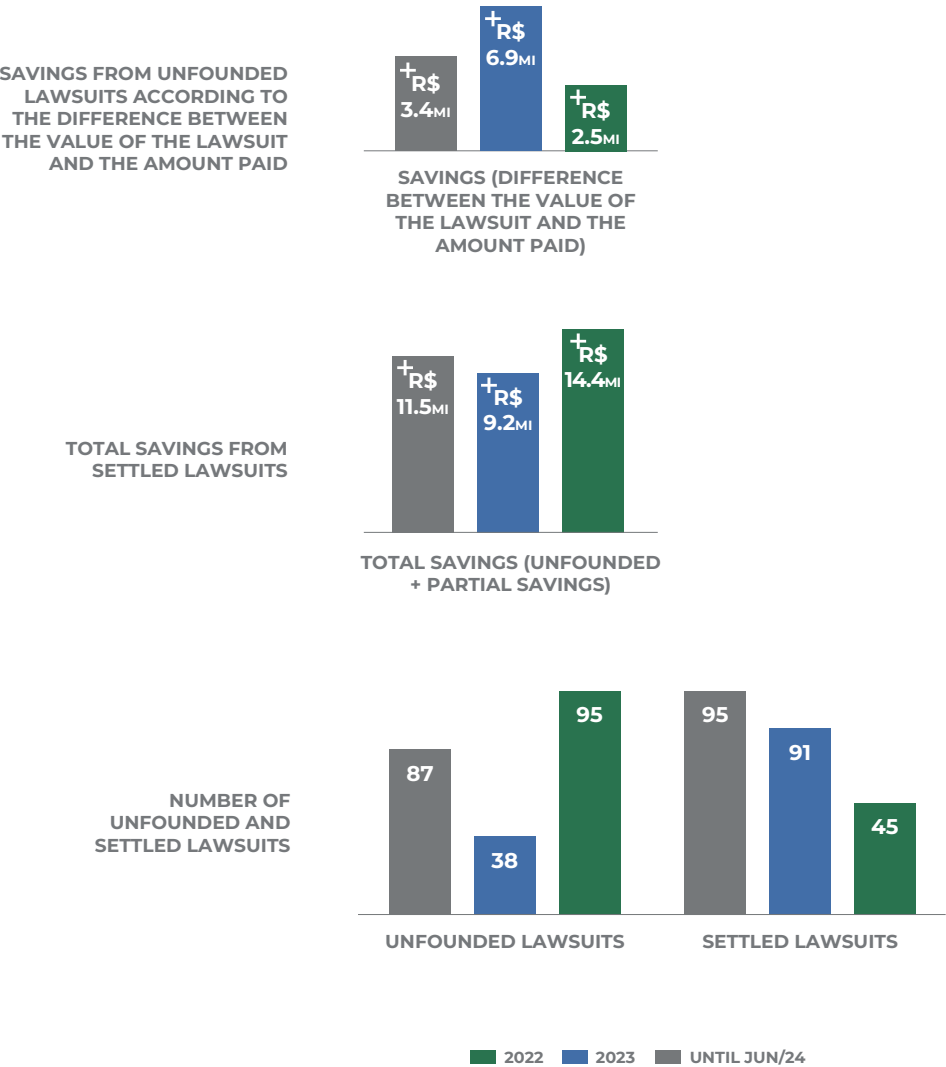
OBJECTIVE	VALUE OF DEBT	VALUE RECOVERED
PROVISION OF MEDICAL SERVICES	R\$ 331,135.57	R\$ 331,135.57
PROVISION OF MEDICAL SERVICES	R\$ 1,008,238.81	R\$ 508,238.80
PROVISION OF ARCHITECTURAL SERVICES AND HOSPITAL FACILITIES - ICESP	R\$ 317,692.70	R\$ 52,948.78
FINE FOR BREACH OF AGREEMENT FOR THE PROVISION OF SERVICE DESK SERVICES ICESP	R\$ 53,575.00	R\$ 32,145.00
PROVISION OF MEDICAL SERVICES	R\$ 1,445,887.28	R\$ 1,445,887.28
TOTAL DEBT: R\$3,156,529.36 TOTAL RECOVERED: R\$2,370,355.43 TOTAL RECEIVABLE: R\$786,173.93		

Extrajudicial recovery of R\$2,370,355.43, resulting from negotiations with health plan operators and contractual fines against service providers.



Labor:

EVOLUTION AND IMPACTS OF LABOR COORDINATORS

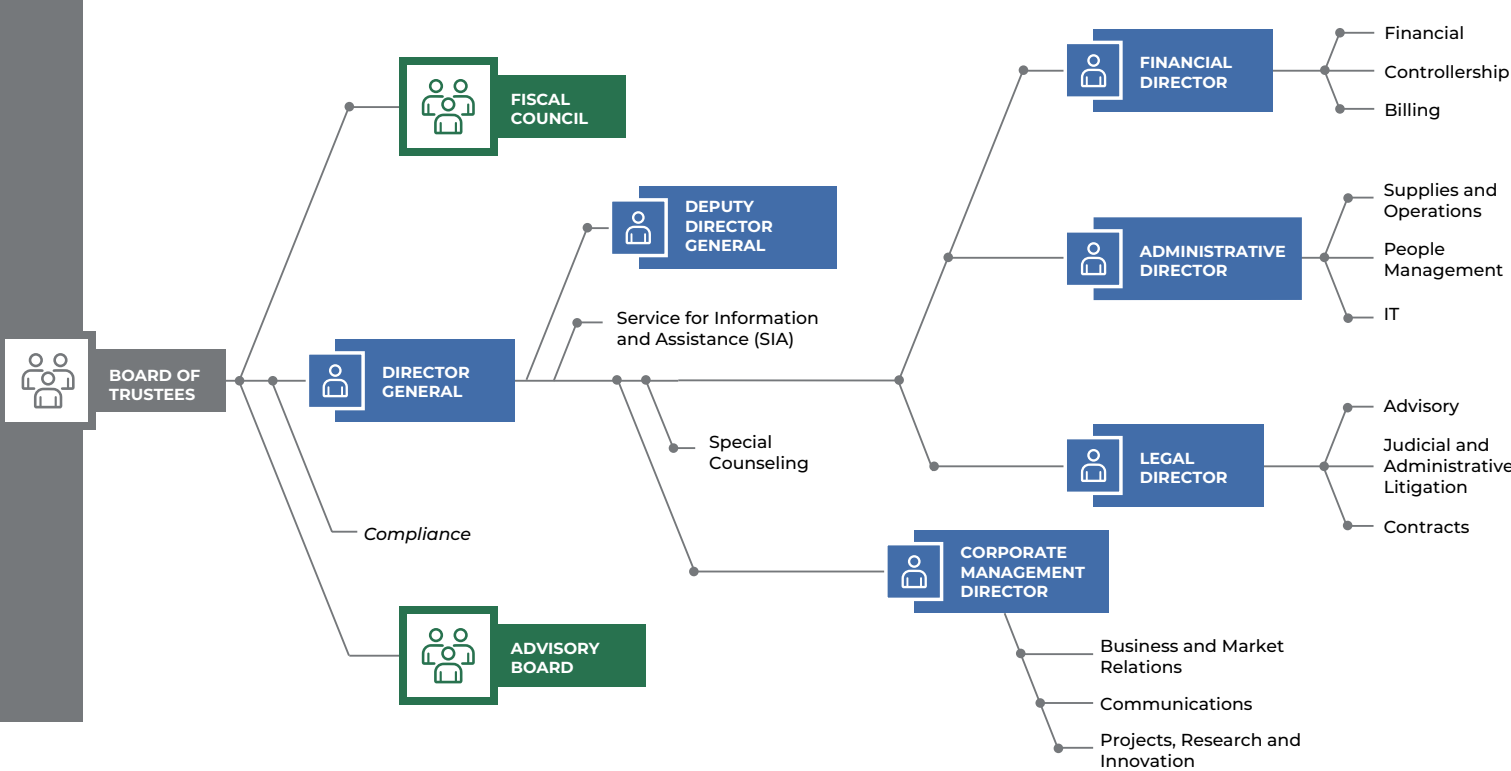


- Review of the Regulations for the Selection Process for Recruiting Human Resources
 - Closer ties with the People Management Department
 - Review of the Scholarship Grant Regulations
- Concentration of the analysis for granting and renewing research scholarship in a specialized team
 - FFM APP - Grant Application in electronic format



ORGANIZATIONAL CHART OF THE MEDICAL SCHOOL FOUNDATION*

ORGANIZATIONAL STRUCTURE



*as of 2022



PARTNERS

Federal Public Bodies

- National Health Surveillance Agency – ANVISA;
- Ministry of Science and Technology / CNPq;
- Ministry of Science and Technology / Finep;
- Ministry of Health – MS;
- Public Ministry of Labor / Labor Attorney's Office of the Municipality of Patos de Minas (Minas Gerais State);
- Pan American Health Organization – PAHO / World Health Organization (through the Ministry of Health);
- Petróleo Brasileiro S.A. – Petrobras (mixed economy company);
- Attorney General of the National Treasury.

State Public Bodies

- Regional Council of Physical Therapy and Occupational Therapy of the 3rd Region – CREFITO;
- Emílio Ribas Institute of Infectious Diseases;
- State Department of Health of São Paulo – SES-SP.

National Private Institutions

- Brazilian Industrial Development Agency – ABDI;
- Aids Health Care Foundation do Brasil;
- Syrian Charitable Association – Heart Hospital;
- UMANE Association;
- Industrial Bank of Brazil S.A.;
- Braincare Development and Technological Innovation S.A.;
- Brainfarma Chemical and Pharmaceutical Industry;
- Central Nacional Unimed – Central Cooperative;
- CISCO Hardware and Software Trade and Services of Brazil Ltd.;
- DM Health Care Health Technology Ltda.;
- Butantan Foundation;
- Maria Cecília Souto Vidigal Foundation;
- GE Health Care do Brasil;
- Itaú Group;
- Butantan Institute;
- Institute of Teaching and Research – Insper;
- Mahle Institute;
- Todos Pela Saúde Institute;
- Magazine Luiza S.A.;
- Natura Cosméticos S.A.;
- Sanofi Aventis Farmacêutica Ltda.;
- Siemens Health Care Diagnostics Ltd.;
- Sírío-Libanês Social Responsibility Institute;



International Institutions

- Abbott Laboratories;
- AIGORA GMBH;
- Alzheimer's Association;
- AMC Medical Research BV;
- Americas Hepato – Pancreato-Biliary Association Foundation – AHPBA Foundation;
- Baxter Health Care Corporation;
- Baylor College of Medicine;
- Baylor University;
- Bill and Melinda Gates Foundation;
- bioMérieux S.A.;
- Companhia dos Temperos Ltda. (Portugal);
- Diomics Corporation;
- Drexel University;
- Family Health International;
- Fellows of Harvard College;
- Fondation Mérieux;
- Fred Hutchinson Cancer Center;
- Fundación Infant (Argentina);
- Global Disability Innovation Hub C.I.C.;
- Grand Challenges Canada;
- Grinberg Laboratory – University of California San Francisco;
- H. Lee Moffitt Cancer Center and Research Institute, Inc.;
- Harvard Graduate School of Education;
- Hebrew Rehabilitation Center;
- Icahn School of Medicine at Mount Sinai;
- Imperial College of Science, Technology and Medicine;
- Inter-American Development Bank – IDB;
- International Atomic Energy Agency – IAEA;
- International Brain Research Organization;
- J. David Gladstone Institutes;
- Jhpiego Corporation;
- Joan & Sanford I. Weill Medical College of Cornell University;
- Johns Hopkins International Injury Research Unit;
- Johns Hopkins University;
- Kephera Diagnostics;
- Lead Discovery Center GmbH;



International Institutions

- Lego Foundation;
- London School of Hygiene & Tropical Medicine;
- Milken Institute;
- Ministry of Higher Education, Science, Technology and Innovation of the Republic of Angola;
- Natera, Inc.;
- National Institutes of Health – NIH;
- Network for Investigation of Delirium;
- Novartis Institutes for BioMedical Researchs, Inc.;
- Optina Diagnostics, Inc.;
- Partners Healthcare (founded by Brigham and Women's Hospital and Massachusetts General Hospital);
- Regeneron Pharmaceuticals, Inc.;
- Revive & Restore Genetic Rescue of Endangered and Extinct Species;
- Swiss Tropical and Public Health Institute;
- The Board of Trustees of the University of Alabama for the University of Alabama at Birmingham;
- The George Washington University;
- The Ohio State University;
- The Regents of the University of California – Berkeley;
- The Regents of the University of California, San Francisco;
- The Smile Train;
- The Trustees of Columbia University of New York;
- The United Nations Office for Project Services;
- The University of Birmingham;
- The University of California, San Diego
- The University of Kentucky Research Foundation;
- The University of North Carolina at Chapel Hill;
- Thomas Jefferson University;
- United Nations Children's Fund – UNICEF;
- Universitätsklinikum Hamburg-Eppendorf – UKE;
- University Health Network;
- University of Newcastle Upon Tyne;
- Vanderbilt University Medical Center;
- ViiV Healthcare UK Ltd.;
- Vital Strategies, Inc.;
- Vitalant Research Institute;
- Wellcome Trust;
- William Marsh Rice University;
- World Health Organization;
- Yale University.

FFM CONSOLIDATED RESULTS

Health promotion, disease prevention, medical and hospital care and highly complex rehabilitation actions for users of the Unified Health System (SUS) are the care activities promoted jointly by HCFMUSP and FFM, through the Comprehensive Health Care Agreement for SUS Patients, signed since 1988 between FFM, HCFMUSP and SES-SP.

In increasingly modern and technologically equipped facilities, in accordance with the most recent international quality guidelines, care also relies on highly specialized and trained teams.

Partnerships with public and private, national and international institutions allow FFM to develop several programs in the health area, which benefit the population.

Due to the credibility that FFM inspires with subsidizing agencies, the volume of funds handled by the Institution has increased significantly, year after year.

Operating revenues and those arising from projects, contracts and agreements and others, with substantial growth over the years, were fully reverted in favor of the operation itself and the projects it executes.

FFM CONSOLIDATED RESULTS			
(In thousands of R\$)	2022	2023	2024
Revenue	1,583,129	1,765,935	2,100,555
SUS medical care	372,277	422,890	554,635
Private medical care	117,564	120,643	126,270
Grants and contributions	854,337	931,861	1,115,932
Financial income (net)	100,013	103,853	92,018
Technical services	59,415	73,771	95,219
Other (courses, donations, etc.)	79,523	112,917	116,481
Expenses	1,490,343	1,670,867	1,906,377
Personnel	886,635	1,011,257	1,154,001
Materials for consumption	251,925	284,388	332,108
Professional services	252,042	257,540	291,068
Other (general, depreciation, etc.)	99,741	117,682	129,200
Result	92,786	95,068	194,178



In 2024, the financial guideline continued to seek positive working capital, basing its spending or investment decisions on the prior requirement of the existence of financial resources for this purpose.

With regard to financial investments, the policies of allocating them in safe, liquid and very low-risk banking products were maintained. Nevertheless, financial returns in 2024 were significant, mainly due to the boost of high Selic rates, when compared to previous years.

When comparing FFM's total revenue, there was a 19% increase in 2024 compared to 2023.

Revenue from medical services provided by the SUS increased by 31% in that period, obtained mainly through reassessments of the fixed amounts established in the formal agreements that regulate transfers.

Investments in infrastructure and equipment made by FFM in 2024 totaled approximately R\$39.9 million.

Approximately R\$27.7 million was invested in HCFMUSP, R\$6.0 million in ICESP, R\$3.2 million in FMUSP, R\$1.6 million in IPer, R\$224 thousand in IRLM and R\$98 thousand in other agreements.

FFM Administration, in turn, invested approximately R\$1.1 million, with an emphasis on IT equipment and systems.

FFM CONSOLIDATED RESULTS			
(In millions of R\$)	2022	2023	2024
Total	74.8	110.6	39.9
Equipment	35.0	75.3	23.0
Buildings and Facilities	25.9	25.9	4.7
IT	9.3	5.6	5.8
Other (furniture, vehicles, etc.)	4.6	3.8	6.4

2024 FINANCIAL STATEMENT SUMMARY

ORIGIN OF THE RESOURCES (IN THOUSANDS OF BRL)	2024	%	2023	%	2022	%
Total Revenue	2,100.6	100%	1,765.9	100%	1,583.1	100%
Government Resources	1,619.8	77.1%	1,301.6	73.7%	1,178.5	74.4%
Medical Care - SUS	554.6	26.4%	422.9	23.9%	372.3	23.5%
Grants	1,065.2	50.7%	878.7	49.8%	806.2	50.9%
Medical Assistance – Agreements and Private	126.3	6.0%	120.6	6.8%	117.6	7.4%
Donations	42.6	2.0%	43.7	2.5%	27.3	1.7%
Private cooperation – national and international	50.7	2.4%	53.2	3.0%	48.1	3.0%
Provision of service and/or sale of products	141.3	6.7%	112.1	6.3%	95.4	6.0%
Other incomes	119.9	5.8%	134.7	7.7%	116.2	7.3%

RESOURCE APPLICATION	2024	%	2023	%	2022	%
Total Expenses	1,946.3	100%	1,781.5	100%	1,565.1	100%
Personnel	1,154.0	59.3%	1,011.3	56.8%	886.6	56.6%
Operational expenses	752.4	38.7%	659.6	37.0%	603.7	38.6%
Acquisitions of goods	39.9	2.0%	110.6	6.2%	74.8	4.8%

COMPREHENSIVE HEALTH CARE ACTIONS



FMUSP-HC SYSTEM

The FMUSP-HC System is the largest university health center in Latin America.

Responsible for providing comprehensive services at all levels of health care, the Academic Health System of the Medical School of the University of São Paulo/Hospital das Clínicas (FMUSP-HC System) is currently the largest university health care center in Latin America. In addition to providing teaching, research, assistance and innovation, it also promotes and develops cultural and outreach activities with an emphasis on multidisciplinary and multi-institutionality. It is recognized in Brazil and abroad for its contributions to public health, from conducting basic and exploratory research to conducting clinical trials that result in the provision of diagnostic or treatment alternatives for different conditions that affect human health.

While academic activities are carried out at FMUSP, HCFMUSP focuses on high-complexity health care (tertiary/quaternary), and is a benchmark in the treatment of serious cases. For medium-complexity care (secondary), the System relies on the University Hospital of USP (HU). Primary care is provided by the Butantã School Health Center and Basic Health Units. The System is completed by: the HIV/AIDS Patient Care Extension Service; the Integrated Center for Translational Medicine; the Institute of Tropical Medicine; the Cancer Institute of the State of São Paulo (ICESP); the Lucy Montoro Rehabilitation Institute (IRLM); the Perdizes Institute (IPer); the Capital Death Verification Service (SVOC) and two supporting institutions, the Medical School Foundation and the Zerbini Foundation.

Since 2008, the FMUSP-HC Academic Health System has been producing studies and holding events to support the development and updating of planning aimed at establishing strategies for the development of its research and innovation backbone. The main events and studies are:

- “Strategic Foresight of Research and Innovation in the FMUSP-HC System”, prepared by the Center for Strategic Studies and Management (CGEE), 2008;
- Guidelines of FMUSP “Search for the Future” Conference, called FMUSP 2020, held in 2010 and its reassessment carried out in 2016;
- Recommendations of the event “Strategic planning of research management within FMUSP Academic Health System”, which brought together the main researchers and research managers of the System, which established the planning guidelines to be adopted in the System;
- Guidelines established in the Strategic Planning of the Medical Research Laboratories (LIMs) of HCFMUSP, 2016;
- Thematic Congregation of Innovation, held on July 28, 2017;
- Recommendations from the event “Challenges to Innovation in an Academic Health System”, held on March 8, 2018;
- Academic Project of the USP Medical School for the period 2019 to 2023;
- FMUSP 2030, held in December 2021;
- Corporate Strategic Planning 2024-2026 – “Brilho nos Olhos”.

The FMUSP-HC System had eight initiatives approved by the Study and Project Financing Agency (Finep), guaranteeing an investment of R\$65 million over three years. The resources will be allocated to projects that drive advances in health and science in Brazil.



Highlights include:

- Development of a nasal vaccine against COVID-19 and monoclonal antibodies for the treatment of influenza;
- Creation of a reference center for autoimmune and inflammatory diseases;
- Expansion of cancer and genetics research equipment; and
- Modernization of facilities for the production of radiopharmaceuticals and advanced diagnostics.

Of the eight approved initiatives, six were submitted as subprojects in Finep calls, with support from the Innovation and Institutional Support Offices for Researchers at FMUSP. Two proposals were approved outside the budget limit, reinforcing the relevance of the projects developed by the institution.

The contribution represents a significant step towards strengthening health and science in Brazil and consolidates the leading role of the FMUSP-HC Academic Health System.

According to the Ministry of Science, Technology and Innovation, the scientific production developed in the Medical Research Laboratories of the FMUSP-HC System represents 4.1% of Brazilian publications and 2.2% of Latin America, in the areas of health and biomedical sciences, respectively.

It is worth mentioning that members of USP were included in the world ranking of top scientists, according to a study published in 2020 in the scientific journal Public Library of Science (PLOS) Biology. Of this group, 25 are from the FMUSP-HC System. In 2021, the same journal published a list of the 100,000 most influential researchers in the world. It included 30 FMUSP professors.

As a result of its constant investment in infrastructure and researcher training, the FMUSP-HC System could respond quickly and efficiently to the challenges of the pandemic caused by the SARS-CoV-2 virus.

The FMUSP-HC System has produced high-impact research, such as the first sequencing of the coronavirus in Brazil, autopsy findings that indicated the thrombotic nature of COVID-19, and data on the manifestation of the virus in children.

Humanization is a cross-cutting field of knowledge in the health area that focuses on the ethical and empathetic quality of interpersonal relationships in care, management and teaching practices.

The higher bodies of the FMUSP-HC Academic Health System are FMUSP Congregation and the HCFMUSP Deliberative Council, both chaired by FMUSP Director. FMUSP Congregation has an advisory and deliberative role and is advised by the Undergraduate, Graduate, Research, Culture and Extension, Medical Residency and International Relations Committees. The HCFMUSP Deliberative Council defines the guidelines for tertiary level medical and hospital care and is composed of ten representatives of FMUSP tenured professors elected by their peers.

In addition to the Medical School Foundation, the FMUSP-HC System is comprised of the following institutions:

Medical School of the University of São Paulo (FMUSP) (page 38): It was founded in 1912, its headquarters were built in 1931 and, since 1934, it has been part of the University of São Paulo. The School offers five undergraduate courses (Medicine, Physiotherapy, Speech Therapy, Occupational Therapy and Medical Physics) and is recognized for its pioneering spirit and excellence in teaching and research. In 2024, FMUSP completed 112 years of existence as one of the largest medical-scientific research centers in the country.

Hospital das Clínicas (HCFMUSP) (page 43): Created in 1944, it has nine specialized institutes (ICHC, IPq, IOT, IMRea, ICr, InCor, InRad, Icesp and IPer). It also has the Medical Research Laboratories (LIMs), which house more than 240 research groups; the HCX (formerly EEP), which promotes education for health professionals, health education professionals and the general community; the Laboratory for Teaching, Research and Innovation in Surgery (LEPIC), which develops programs in the surgical areas in the fields of laparoscopy, video surgery, video endoscopy and robotic surgery; and the Rebouças Convention Center (CCR), with capacity to receive up to 2,300 participants in congresses, conventions, fairs and exhibitions, corporate events, among others.

Zerbini Foundation (FZ): Private law foundation that works to promote the agility and administrative efficiency of the Heart Institute (InCor), as well as in the raising of additional resources.

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Lucy Montoro Rehabilitation Institute (IRLM) (page 73): Provides more complex care for people with incapacitating physical disabilities, through comprehensive and integrated rehabilitation treatment. It has a technological structure and highly qualified personnel in diagnostic and therapeutic resources.

USP University Hospital (HU-USP): Located on the Cidade Universitária campus, it was opened in 1981 and is a community teaching hospital focused on teaching, research and providing services to society.

Samuel Barnsley Pessoa School Health Center (CSE Butantã) (page 68): A teaching-care unit of FMUSP focused on teaching and research in the area of primary care and serving the population of Butantã, in the western region of the city of São Paulo.

Institute of Tropical Medicine (IMT): Aimed at research, teaching and care in the area of tropical diseases, the Institute is the only one of its kind in the State of São Paulo.

Capital Death Verification Service (SVOC): The body is linked to FMUSP and is responsible for clarifying the cause of death in cases of ill-defined illness or lack of medical assistance, occurring in the city of São Paulo.

THE MEDICAL SCHOOL OF THE UNIVERSITY OF SÃO PAULO (FMUSP)

With 112 years of existence, FMUSP is recognized for its pioneering spirit and excellence in teaching and research



The Medical School of the University of São Paulo (FMUSP) is recognized for its pioneering spirit and excellence in the areas of Teaching, Research and University Extension. The Institution invests in modernization, technological innovation and an educational platform, in addition to establishing partnerships with the private sector and expanding the internationalization process to become a benchmark educational center in the world.

Opened in 1931, the campus currently has approximately 44,000 m² of built area and houses facilities such as the Oscar Freire Institute (IOF), the Technical Division for Support to Teaching, Research and Innovation (DTAPEPI), the Institute of Tropical Medicine (IMT), Medical Research Laboratories (LIMs), library and Administration Building. In addition to this space, there is an area of 6,000 m² located in the University City, where part of the courses are taught. Excellence in teaching is one of the pillars of FMUSP. Through innovative pedagogical projects and a curriculum that anticipates future challenges, students are provided with a solid education in the area of health sciences.

Today, FMUSP offers five undergraduate courses: Medicine, Physiotherapy, Speech Therapy, Occupational Therapy and Medical Physics.

FMUSP offers *Stricto Sensu* Postgraduate Programs (Master's/Doctorate) in various areas of knowledge for candidates who have graduated from higher education courses recognized by the Ministry of Education.

With the incorporation of four new programs, the Institution now has 29, including Doctorates, Academic Master's and Professional Master's degrees. Three Professional Master's programs began their activities in June 2019, and an Academic Master's and Doctorate program was incorporated by the transfer of IMT's activities in February 2020.

Medical Residency is a postgraduate education modality in the form of a specialization course and characterized by in-service training. FMUSP has 53 training programs in medical areas and 937 vacancies accredited by the National Medical Residency Commission.

FMUSP is in the select group of 25 leading institutions in the health area and is part of the M8 Alliance, a think tank that organizes the World Health Summit annually. The M8 Alliance brings together academic health institutions and university hospitals from 18 countries and promotes the transformation of current medical approaches to treating patients through preventive actions. By stimulating research in priority areas, the M8 Alliance seeks effective solutions that have a positive impact on the population's living conditions.

To this end, it considers the greatest global challenges in health: the impacts of demographic changes, increasing urbanization and climate change.

In order to position FMUSP as a world-class educational center, the International Relations Committee (CRInt), through its **International Office**, has been establishing strategic partnerships and strengthening existing relationships with institutions from various regions of the world.

FMUSP welcomes students to take internship courses as well as to undertake elective internships in the School's various departments. Currently, among the School of Medicine's partner universities, the ones that have sent the most students are Pennsylvania State University, Universidad Peruana Cayetano Heredia, Universidade Nova de Lisboa, Rijksuniversiteit Groningen and Pontificia Universidad Javeriana.

In January 2024, FMUSP and the School of Medicine of the University of Groningen (UG) announced the unprecedented formalization of the **Double Doctorate Program in Medicine**. The program aims to improve medical education and research between the two institutions. The event **"We Are Rare, but We Are Many"** – promoted by the Integrated Center for Genetic Diseases (CIGEN) of FMUSP – celebrated World Rare Disease Day on February 29, 2024. There are approximately 7,000 rare diseases described, of which 80% are of genetic origin and 20% have infectious, viral or degenerative causes.

In 2024, the study **"Bibliometric analysis of childhood-onset systemic lupus erythematosus from 2000 to 2022"** revealed a notable research gap in the field of childhood-onset systemic lupus erythematosus (cSLE). Analyzing 2,857 articles from the Web of Science CoreCollection, the study observed a growing trend in publications over the last two decades, with significant contributions from countries such as the United States, China and Brazil, highlighting their substantial literary impact. Topics such as "lupus nephritis" and "antibodies" emerged prominently in the keyword analysis, offering valuable insights into research trends in cSLE.

The study aims to inspire research initiatives in the area to improve the understanding and management of this condition, with an emphasis on FMUSP as a key contributor to the research landscape. On April 9, 2024, the launch of the **Labor Observatory**: diversity, inclusion and human rights, which aims to bring together researchers, students and those interested in the participation of people with disabilities in the labor market, promoting research, actions and extension projects, marked a significant moment at FMUSP.

On April 10, 2024, the QS World rankings announced that the **University of São Paulo (USP) moved up from 64th to 53rd**, reinforcing its position as the strongest institution in the country by a significant margin.

In Brazil, Medicine is the most prominent discipline, with 19 programs among the best in the world. USP leads in this field, with its Medicine course ranked 53rd globally, the only one in the country in the top 100. These results highlight the quality of USP, including academic responsibility, scientific citations and the importance of Brazil in the international education and research scene.

The Medicine course at the University of São Paulo (USP) is the best in Latin America and the fourth best in the Southern Hemisphere, behind only three Australian universities. This position reinforces the excellence of the course and further highlights USP's international prestige as a center for medical education and research.

On May 5, 2024, FMUSP museum opened the exhibition **"Life as a Scientist"**, a tribute to female genius in science, which provides a unique insight into the brilliant minds behind scientific discoveries. Through images and stories, visitors had the opportunity to connect with the achievements and explore the journey of these remarkable women in their pursuit of knowledge.

In a global context of constant digital transformation, teaching methods also need to be improved. To address this latent need, FMUSP, through the Center for the Development of Medical Education (CEDEM), held, in partnership with Weill Cornell Medicine-Qatar, the **1st International Congress on Innovation and Research in Health Education (CIIPES)**, from June 8 to 10, 2024, at the CCR.

On May 26, FMUSP held the 2024 Monitored Visit, of the **USP and the Professions Program**. The event received 400 visitors, including high school students and students from the capital and neighboring cities, accompanied by teachers, parents and guardians.

On June 10, FMUSP hosted the **1st Symposium on Mass Spectrometry in Medicine**, in the Surgical Technique Amphitheater. The meeting addressed innovative topics in medical practice, such as the use of mass spectrometry in the operating room to obtain free margins in tumor removal and the spatial distribution of biomolecules in tissue samples through mass spectrometry imaging.



Researchers at FMUSP have discovered evidence that adherence to the **Planetary Health Diet (PHD)**, proposed by the EAT-Lancet Commission, can significantly slow cognitive decline, especially in higher-income individuals. The results, published in the journal *Nature Aging*, highlight the potential benefits of eating habits that prioritize environmental sustainability and human health.

A study on pituitary diseases developed in the Endocrinology discipline at FMUSP and conducted in partnership with the University of California, San Francisco (UCSF), won the **2024 President Agostinho José de Souza Lima Award**, granted on June 30, 2024, by the National Academy of Medicine (ANM).

The study aims to model diseases originating in the pituitary gland and find new therapeutic indications for drugs already approved by the United States Department of Health and Human Services (FDA).

In July 2024, FMUSP opened the **Minimally Invasive Procedures Training Center (PROMIN)** – Dr. Paulo Prata, Room, located on the 4th floor of the main building on the Pinheiros campus.

The initiative is part of the School's commitment to offering cutting-edge and constantly updated training to prepare professionals for the reality of the sector. And minimally invasive surgeries are among the most advanced and sought-after techniques, as they provide advantages such as: more precise movements, improved visualization, less blood loss, faster recovery and shorter hospital stays.

The Center is equipped with a surgical robot (Da Vinci), a robotic simulator, six videolaparoscopy towers and three videoendoscopy towers. With this announcement, FMUSP becomes the first medical school in Latin America to integrate a surgical robot for undergraduate, graduate and non-degree courses.

Since June 26, researchers and students at FMUSP have been able to count on a new structure that will contribute to increasing understanding of cancers that affect people living with HIV in Latin America.

Inaugurated at the School, the **LATAM Biorepository** is a biobank that will store samples donated by patients who live with both diseases simultaneously.

The LATAM Biorepository represents a milestone in medical research and is linked to the American organization AIDS and Cancer Specimen Resource (ACSR) and is now part of the USP Biobank subcollection, of the Academic Cancer Research Network, in addition to acting as a Regional Biospecimen Repository, a place where key components for scientific studies, such as tumor tissue and blood, are stored.

In 2024, FMUSP students, doctors and residents from Hospital das Clínicas traveled to Guarantã do Norte, in the state of Mato Grosso, to provide **medical care to the vulnerable population**. The 2024 edition of the "Surgical Expedition" outreach project had the participation of 80 volunteers and promoted, over nine days, a surgical marathon in the areas of Gynecology, Radiology, Digestive System Surgery/Coloproctology, Anesthesiology and Pathology.

The project, created in 2013, offered comprehensive care to patients, from pre-operative to post-operative monitoring. In total, 93 surgeries, 490 ultrasounds and 93 intrauterine device (IUD) insertions were performed.

Focusing on the social, academic and professional development of the School's students, the Expedition chooses the municipalities based on three criteria: size (between 30 and 100 thousand inhabitants), number of operating rooms and necessary support (at least three in the surgical center) and, lastly, significant patient demand.

Among the volunteers, 28 students, 14 anesthesiologists, 8 radiologists, 7 digestive system surgeons/coloproctologists, 15 gynecologists, 2 nurses, 1 clinical engineer and 5 people from the marketing team participated.

An outreach project by the USP School of Medicine brought **health care to communities affected by the climate catastrophe in Rio Grande do Sul**. Between July 8 and 22, more than 40 students and doctors from the Bandeira Científica project participated in the humanitarian health expedition, which provided 448 services to the population.

The group provided free medical care to several locations, especially indigenous and quilombola communities, located within a radius of up to 200 km from Porto Alegre, which were directly or indirectly affected by the floods that devastated the state in May.

Divided into three teams, the participants developed a logistics plan to map the locations and traveled along difficult-to-access roads. During the event, preventive and prenatal exams, medical consultations, diagnoses, and pediatric treatments and care were performed.

From July 15 to 26, students from various parts of the world experienced being FMUSP students for two weeks in the **8th edition of the Winter Schools program**, promoted by the School's International Relations Committee (CRIInt). This year, 19 students from universities in the United States, Chile, Japan, Mexico, the Netherlands, Bolivia, and Brazil were welcomed.

In addition to promoting cultural exchange among medical students, the program offered participants the opportunity to exchange academic experiences with visits to the Hospital das Clínicas Complex, as well as specific courses in the areas of Dermatology, Surgery, Neurology, and Cardiology.

In September, Iguaçu National Park hosted the **Kids Save Lives Brazil (KSLB)** initiative, organized by 13 volunteers, including students and teachers from FMUSP. The training initiative was attended by more than 70 people, including Urbia Cataratas employees and park visitors, both children and adults, who learned about first aid in emergency situations.

To date, the project has trained more than 14,000 children, adolescents, and adults in school communities in the state of São Paulo.

A study conducted by FMUSP researchers, published in September 2024 in the renowned journal *Andrology*, found for the first time in mammals a **non-reproductive function of sperm**. The findings indicate that male gametes infected by the SARS-CoV-2 virus may present an immune response similar to the cellular defense mechanism observed in immune system cells, such as neutrophils and macrophages, in response to infections. Two very relevant, unprecedented scientific discoveries were found in this study.

The first concerns the understanding of the SARS-CoV-2 virus and its ability to inhabit the intracellular environment of a cell responsible for reproduction, the consequences in the reduction of human reproductive capacity and the potential implication of the presence of the virus in natural reproduction processes and, particularly, in assisted reproduction.

The second significant finding was the description of the ability of a cell in the reproductive system to be part of the innate defense system by launching a network/web that causes cell suicide to overcome a serious infection. This mechanism had never been described before in mammals.

The Department of Infectious Diseases and Tropical Medicine at FMUSP and the London School of Hygiene and Tropical Medicine (LSHTM) held an event in São Paulo on August 21 and 22 to exchange experiences between Brazil and the United Kingdom. **The STI-Net Workshop Brazil UK** aimed to review recent data and evidence on the burden of sexually transmitted infections (STIs) and antimicrobial resistance, focusing on *Neisseria gonorrhoeae* (which causes gonorrhea) and *Mycoplasma genitalium* (which causes urethritis in men and cervicitis in women). The exchange of knowledge among participants seeks to develop effective strategies to face the challenges of STIs and antimicrobial resistance, promoting sustainable digital innovations in health care and monitoring.

Microplastics are being deposited in the brain, with inhalation as a likely entry route. This is the finding of an unprecedented study led by FMUSP, in partnership with the Free University of Berlin, which found **fragments of microplastics in the olfactory bulb**, the region responsible for processing odors in the central nervous system.

The research identified microplastic fibers and particles in 8 of the 15 samples collected from the brains of 15 deceased individuals who lived in São Paulo. The most common plastic found was polypropylene, typically used in clothing, food packaging, and bottles.

An innovative study conducted by FMUSP and published in the prestigious journal *The Lancet Global Health* revealed that **54% of dementia cases in Latin America are attributable to modifiable risk factors**, a rate above the global average of 40%. The research, led by the Geriatrics department at FMUSP, highlights the urgency of preventive interventions in the region.

Modifiable risk factors are conditions that can be changed in lifestyle or with access to medical treatments. In other words, they can be prevented. Using data from Argentina, Brazil, Bolivia, Chile, Honduras, Mexico and Peru, the study analyzed measurements of 12 factors: low education, hearing loss, hypertension, obesity, smoking, depression, social isolation, physical inactivity, diabetes, excessive alcohol consumption, air pollution and traumatic brain injury.



Celebrating 10 years of activity, the **Young Doctor Program** held another event at FMUSP on October 16 and 23. The visit to FMUSP was attended by 105 students on the first day and 60 on the second, as a part of the completion of the three-year course.

Created to promote learning about health through experiential and creative education, the program is aimed at students from municipal schools in socially vulnerable areas in Santos, encouraging interest in the health area and the continuation of studies. Annually, the program involves approximately 520 students from Elementary School II, divided into 16 schools, with the participation of 28 teachers. Santos is the only city in the country to have a Wellbeing Telehealth station implemented in a municipal school, functioning as a space for science and care.

Clarivate Analytics, a renowned British consultancy, has released its **annual ranking of the most cited researchers globally**, highlighting the academic excellence of scientists from more than 1,200 institutions in 59 countries. In the 2024 edition, Brazil had 14 representatives, eight from USP and two from FMUSP.

The evaluation and selection are carried out based on data from the Web of Science citation index, combined with qualitative analyses conducted by experts from Clarivate's Institute for Scientific Information (ISI).

Between October 7 and November 25, FMUSP's Integrated Center for Genetic Diseases (CIGEN) held the **1st edition of the Training Course in Whole Exome Sequencing (WES) Analysis**. This highly complex test is an essential tool for the accurate diagnosis of genetic diseases, allowing detailed analysis of the portion of the human genome where most of the mutations associated with these conditions are concentrated.

On December 3, 5th year medical students participated in a **realistic simulation of general surgery** at the Minimally Invasive Procedures Training Center (PROMIN) at FMUSP.

The class included case discussions and ended with procedural training, in which students had access to a virtual anatomy table, a laparoscopy simulator and an ultrasound simulator, providing an immersive experience that was close to the real surgical experience.

With the aim of exchanging ideas and learnings for 2024, FMUSP leaders participated in the **"Strengthening Ties"** meeting on December 17. Promoted by the Executive Board and FMUSP Humanization Center, the event brought together several sectors of the Institution to reflect and plan for 2025.

On December 16 and 17, FMUSP held **demonstrations of robotic surgeries** using the Da Vinci system at the Minimally Invasive Procedures Training Center (PROMIN). During the activity, procedures such as hiatal hernia repair, colectomy, nephrectomy, and prostatectomy were performed, all on a pig weighing approximately 50 kilos. At the end of December, FMUSP received the first of two virtual robotic surgery simulators with Robotix technology, which will be part of the Minimally Invasive Procedures Training Center (PROMIN).

Simulators offer a simulated environment that allows surgical techniques to be practiced virtually, realistically replicating the movements and dynamics of robotic surgery. With simulators, users can hone their skills in various stages of surgery, such as incision, dissection, and suturing, in a controlled setting that poses no risk to patients.

In December 2024, FMUSP took an important step in the modernization of medical education by promoting an **in-person training on Entrustable Professional Activities (EPA)**. The event, held in the Sala do Futuro, was attended by Professor Rosa Malena, the greatest authority in Brazil on the subject and one of the main benchmarks in contemporary medical education.

EPAs represent an innovative approach to health care education. They consist of practical activities that students must be able to carry out with progressive autonomy throughout their training. Focused on practical and contextualized skills, EPAs offer a more accurate assessment aligned with the real demands of the profession, ensuring a safe and gradual transition from the academic environment to the job market.

In 2024, FFM continued to contribute effectively to streamlining bureaucratic processes and, mainly, to implementing FMUSP projects and programs that, in the state administration, are slower.

HOSPITAL DAS CLÍNICAS OF FMUSP

HCFMUSP is the only Brazilian public hospital on the World's Best Hospitals 2024 list



Aerial view of the Hospital das Clínicas Complex

On April 19, 2024, Hospital das Clínicas (HC) celebrated its 80th anniversary, establishing itself as a benchmark for the production and dissemination of technical-scientific knowledge, excellence and innovation in teaching and public health care.

In its **80th anniversary**, HCFMUSP consolidates its innovation area and further dynamizes the digital health area, always in favor of ethics, humanism and social responsibility. Today, all the necessary technology is in place to carry out teleconsultations, in addition to offering courses and information resources that make life easier for patients and their companions during treatment. This is the case of the HC Patient Portal app, redesigned to make the patient experience even faster and more effective. The menu is practical and facilitates access to appointments, prescriptions, imaging tests and reports.

During the 80th anniversary event, held at the FMUSP Theater, the Conecta FMUSP-HC portal was officially launched. This digital platform unifies the dissemination of news, bringing agility, optimizing resources and standardizing the Institution's brand.

A video celebrating the 80th anniversary of Hospital das Clínicas presented images of its history, breakthroughs, important milestones, pioneering work and significant figures that consolidate its position of international excellence in Teaching, Research, Health Care and Innovation.

The launch of the Exhibition "Celebrating 80 Years of HC" was also announced, with panels, historical images, period photos and breakthroughs in health technology with pioneering work and milestones in the hospital's history. This exhibition was periodically and itinerantly shown at the units of the FMUSP-HC System and the Clínicas Station of the Green Line 2 of the São Paulo Metro.

The FMUSP-HC System celebrated the 80th anniversary of Hospital das Clínicas with a series of events held in the last week of June. Highlights included the launch of the book "HC Mission: COVID-19"; an exhibition about the pandemic organized by the FMUSP Historical Museum and the Time Capsule ceremony, containing messages from special guests who experienced the fight against the COVID-19 pandemic, will be opened in 2044, when Hospital das Clínicas will be celebrating the first centenary of its foundation.

On June 25, the celebration highlighted the inauguration of the exhibition "HC and COVID-19: Fighting the Pandemic", curated by the FMUSP Historical Museum. One of the legacies of this period of fighting COVID-19 is the use of technology to communicate with family members to provide updates on patients and virtual visits using mobile devices.



Between 2020 and 2021, the Hospital das Clínicas of FMUSP stood out in the greatest challenge in its history, contributing to saving thousands of lives during the COVID-19 pandemic.

At the end of 2022, with the **inauguration of the Perdizes Institute (IPer)**, the Institution now has another Institute dedicated to health care, teaching and research. The IPer meets two major demands: to serve as a backup for beds, especially in clinical medicine, and to have a nationwide center of excellence for treatment, prevention, education and research in the field of alcohol and drugs. In addition, it has an exclusive area for developing research and innovation in health care.

This structure will be expanded with the future Dr. Ovídio Pires de Campos Institute, which will increase the capacity for outpatient consultations in ophthalmology, otorhinolaryngology, oral and maxillofacial surgery, head and neck and craniofacial plastic surgery by 47%. The creation of the Clinical Research Center is also planned, with an area of 9,000 m² for therapeutic and multidisciplinary research.

In parallel, the **LEPIC of HCFMUSP** begins its activities with the objective of developing teaching, research and innovation programs in the surgical areas of HCFMUSP in the fields of laparoscopy, video surgery, video endoscopy and robotic surgery.

On January 25, 2024, in the premises of Sala São Paulo, the Dean of the University of São Paulo (USP) awarded Hospital das Clínicas the **“Armando Salles de Oliveira” Medal**. This honor is in recognition of the exceptional and decisive contribution to the institutional, cultural, social and academic valorization of the University. Hospital das Clínicas received this honor for its partnership throughout the existence of the University of São Paulo. The ceremony marked the beginning of the celebration of the 90th anniversary of the University, which was founded on January 25, 1934.

On February 6, four years of work by the **Connected ICU** – an initiative of Hospital das Clínicas in research, development and implementation of technologies to integrate data from electromedical equipment at the bedside – were evaluated in a meeting that also defined perspectives for the year.

The Connected ICU provides individualized care in real time, reduces morbidity and mortality and reduces the length of hospital stay and its costs.

This is a concept that has supported projects since 2020 with the advent of SARS-COV-2.

In a spontaneous research and development partnership between the InCor Respiratory ICU and the private sector, the first configuration of the INTEGRARE platform for centralized monitoring of Multiparametric Monitors, Mechanical Ventilators and Continuous Infusion Pumps took place.

Subsequently, due to the demands of the pandemic, in an open competition process, the IdeiaGov program of the State of São Paulo formalized the implementation of a platform capable of integrating data at the bedside. In 2021, the joint efforts of InovaHC and the IDB leveraged the concept for a new project, providing effective expansion over the ICHC and IOT infrastructure.

Also in 2021, the InCor Respiratory ICU and the private sector began a new research and development collaboration: TeleUTI CONECTADA – evolution of the INTEGRARE platform into a Tele ROUND platform capable of supporting discussions via videoconference and the visualization of real-time data from Multiparametric Monitors, Mechanical Ventilators and Continuous Infusion Pumps.

This collaboration provided a pilot discussion on COVID-19 cases for 16 months between the Respiratory ICU and ICUs in Curitiba (PR), Campo Grande (MS) and João Pessoa (PB). This experience led the Ministry of Health to demand a TeleICU pilot project with national distribution in ten cities in 2023.

Currently, in a convergent manner among the institutes of the Hospital das Clínicas Complex, the integration of bedside equipment is in operation in four ICUs: Respiratory at InCor; FF Infectious Diseases, GN and GS Clinical Emergencies at ICHC.

In 2024, for the second year in a row, **Hospital das Clínicas was the only Brazilian public hospital on the World’s Best Hospitals 2024 list**, published by the Newsweek magazine in the United States.

According to the publication, the institution located in São Paulo ranks 200th among the best in the world. The HC improved ten positions in relation to the 2023 ranking, when it appeared as the 210th best in the world. The ranking has been carried out annually since 2019.

In this edition, released on September 17, the ranking recognizes hospitals in 12 medical areas: the 300 best hospitals in cardiology and oncology; the 250 best in pediatrics; the 150 best in cardiac surgery, endocrinology, gastroenterology, orthopedics and pulmonology; the 125 best in neurology, neurosurgery and urology; and the 100 best in obstetrics and gynecology.



Hospital das Clínicas ranks 18th in the Cardiology category; 37th in Cardiac Surgery; 125th in the Gastroenterology specialty; 32nd in the Neurology specialty; 93rd in Neurosurgery; 189th in Oncology and 64th in Orthopedics.

The **Workshop on the Deployment of the Results of the 11th Brilho nos Olhos** brought together, on March 25 and 28, 2024, Top administration leaders, Executive Directors, Clinical Staff Directors, Center Coordinators and other leaders of the Hospital das Clínicas Complex.

The meeting highlighted the dissemination of the Thematic Axes to be worked on in the period from 2024 to 2026: Sustainability Awareness; Transformational Leadership and Engaged Team; and Efficient and Integrated Management.

The goal of the workshop was to translate the concept of ESG (Environment, Social and Governance), creating an interactive station that collaboratively develops a corporate sustainability policy. One of the main aspects highlighted was to disseminate the best environmental sustainability initiatives of the Institutes to the Complex. In this way, it is possible to train intermediate leaders and influencers on good practices.

The HCFMUSP Strategic Map 2024-2026 indicates how to stimulate the development of research and innovation projects. In addition, it seeks to strengthen digital transformation and patient engagement. The workshop agenda discussed the following topics: Thematic Axes, Strategic Map, Strategy Governance, Corporate Projects and Project Evaluation.

On September 12, 2024, the City of São Paulo decreed the **official recognition of the Hospital das Clínicas Complex as a health, education and research district**. This condition allows for the benefits of the Partial Review of the Zoning Law that will be reflected in the improvement of accessibility and the construction of buildings intended for activities that are not restricted to health care.

Another measure announced by the City Hall refers to the road requalification along 656 meters of Avenida Doutor Enéas Carvalho de Aguiar with priority for pedestrian use. The project covers the entire 30,000 m² area occupied by Hospital das Clínicas, the Forensic Medical Institute (IML), the São Paulo State Department of Health and the Clínicas Station of the Green Line 2 of the subway.

This road requalification project includes elevated pedestrian crossings, making it easier and safer to cross the streets. It will create areas for pedestrian rest, comfort, and well-being; expand and widen sidewalks; implement accessibility solutions; increase green and permeable areas; add roundabouts to improve mobility and access to the complex; and maintain and expand existing parking spaces, including designated spots for people with disabilities and special needs.

The redevelopment will improve the flow of emergency vehicles, as Avenida Dr. Enéas de Carvalho Aguiar will only have people and necessary vehicles circulating. The City Hall reported that speed bumps will be installed to prevent vehicles from speeding. There will be 19 areas for ambulance passengers to drop off and 5 spaces for passenger cars.

Another highlight in 2024 is the **Digital Health Research, Development and Innovation Project (Digital Health PDI)**, aimed at studying, testing and validating the best solutions to qualify, facilitate and expand citizens' access to health care. To be implemented between 2024 and 2026, it is being developed by Hospital das Clínicas and InovaHC, with implementation by SES-SP.

Based on the concepts of digital transformation and the best global practices, the program seeks to disrupt several areas by validating new methods, processes, flows and structures that can be scaled for universal access in the public health system.

The Digital Health PDI encompasses six initiatives: TeleAPS, focused on Primary Health Care; TeleUTI, aimed at teleconsulting for intensive care; TeleSAP, aimed at teleconsultation in Primary Health Care and Specialized Care for people deprived of liberty; AME+Digital, focused on medical teleconsultation for specialties; Mapping of Digital Health and Technological Requirements of Health Units in the State of São Paulo; and implementation of the Leading Center for Innovation in Digital Health of the State of São Paulo.

In September 2024, the PDI reached the milestone of more than 10,000 teleconsultations performed by doctors specializing in Family and Community Health using the TeleAPS model. This is an important achievement for the program, which confirms its relevance in helping to qualify and expand Primary Health Care services in the State.

In 2024, Hospital das Clínicas performed the **first successful uterus transplant among living patients in Latin America**.



The patient was born without the organ due to the Rokitansky Syndrome, a rare congenital malformation, and received the organ from her sister.

The **12th edition of the Brilho nos Olhos Workshop**, held to improve the health care and management model, brought together 223 participants at the CCR on November 7 and 8. This year, the event celebrated eight decades of dedication, innovation and care for people at HCFMUSP.

This milestone reinforces the purpose that drives the Institution: “Pride in doing the best for people, with people”. During the opening ceremony, the celebrations of the 80th anniversary of the HC were recalled, the results and achievements of this year were presented and the strategic vision of the top administration of HCFMUSP for 2025 was shared.

On the occasion, the managers also celebrated the deliveries of the Thematic Axes of the HCFMUSP Strategic Planning in 2024. The “You make a difference 2024” award was given to representatives of the Axes: Efficient and Integrated Management, Transformative and Integrated Leadership and Sustainability Awareness. Successful projects implemented at the Institution in 2024 were also awarded.

By celebrating its 80th anniversary of foundation, HCFMUSP consolidates a management based on talent retention, innovation, cutting-edge technology combined with health and the commitment to sustainability. Throughout 2024, this policy was reflected in the Institution’s daily work.

OpenCare5G, for example, promotes equity in health. Launched in 2021 by InovaHC, the pilot project applies digital technology to promote access to medical care in remote regions of the country.

Between 2021 and 2023, remote ultrasound examinations in these remote communities connected local health professionals with radiologists in São Paulo.

In 2024, the pilot project was implemented in the Xingu Indigenous Park, in the state of Mato Grosso, where 16 ethnic groups were able to receive medical care thanks to the use of advanced digital technology. This concern with strategic issues is vital in good institutional practices.

InovaHC, which is dedicated to implementing innovative measures, has already established more than 80 partnerships in the last three years for technological development to benefit the institution’s activities.

Expanded Leadership Meetings held in 2024 shared relevant information and analyzed the institution’s upcoming challenges and goals defined in the 12th Brilho nos Olhos Workshop.

In 2024, Hospital das Clínicas continued to count on the support of FFM in the various actions to develop comprehensive health care in its various Institutes and Units.



COMPREHENSIVE HEALTH CARE AGREEMENT FOR SUS PATIENTS

Access to and care for the Unified Health System (SUS) throughout HCFMUSP (except InCor) are guaranteed by FFM, enabling the HC to achieve SUS service levels of an average of 90%

Always committed to its mission of supporting the FMUSP-HC System in favor of excellent health care for the population, FFM has been a participant in the Agreement signed with Hospital das Clínicas and SES-SP since 1988.

Aimed at providing free care to SUS (Brazil's Unified Health System) patients, the agreement outlines the joint execution of several activities, such as: billing for medical and hospital care services; management of human resources at HCFMUSP; investment in infrastructure works; procurement of medical equipment and hospital supplies; among others. The agreement also guarantees the performance of special procedures, such as transplants of different organs, various implants and other highly complex procedures.

Access to and care for the SUS throughout Hospital das Clínicas (except InCor) are ensured by FFM, via the allocation of the System's human and financial resources to the Hospital itself, thus enabling Hospital das Clínicas to achieve SUS care levels (outpatient and hospitalizations) at an average percentage of 90%.

Care is provided through health promotion activities, disease prevention and treatment, with care in outpatient, emergency and urgent areas, diagnostic support services, hospital, clinical and surgical admissions, pharmaceutical assistance and physical rehabilitation.

HCFMUSP has beds for medium and high complexity hospitalization, 457 in Intensive Care Units and 159 in Day Hospitals.

The agreements signed within the scope of the SUS between the SES, Hospital das Clínicas and FFM have their own characteristics, with a preponderant difference due to the certification of Hospital das Clínicas as a Teaching Hospital, where all production, actions and health services, within the scope of the SUS, must constitute a field of practice for teaching, research and technological incorporation.

The rules and policies for the application of the resources of this agreement are established, dynamically, by the various governing bodies of Hospital das Clínicas (Deliberative Council, Boards of Directors, Executive Boards and Superintendence) and FFM (Board of Trustees), which continually monitor the results achieved, mainly with regard to the cost of medical and hospital care.

The work of HCFMUSP and FFM is shared in the management and care of SUS patients, and is the result of express authorization from the State Executive Branch, duly formalized in the appropriate legal instruments.

To achieve its objectives, FFM currently employs 12,990 employees (December 2024), of which more than 90% are directly dedicated to providing assistance/care to SUS patients.

The employment contracts signed by FFM are completely different from the contracts of Hospital das Clínicas public servants, and there is no incompatibility or subjection.

The purpose of hiring professionals by FFM is to meet the demand of Hospital das Clínicas SUS patients and the difficulties inherent to the Public Authority in creating positions. The financial resources used to pay salaries come exclusively from their activities in the health area.

In addition, it purchases medicines, supplies, consumables, equipment, furniture, utensils and other items in its own name, intended entirely for the care and service of SUS patients. It is important to note that FFM is not involved in the management of Hospital das Clínicas budgetary resources, nor does it receive any funds from that state agency.

As a charitable social assistance entity, FFM has gained public recognition for its work, having obtained and periodically renewed several certifications, including the Certificate of Registration and Certificate of Charitable Social Assistance Entity (CEBAS).

The CEBAS is granted by the Ministry of Health to non-profit private legal entities recognized as Charitable Social Assistance Entities for the provision of services in the Health Area. Obtaining the CEBAS guarantees exemption from social contributions and the signing of agreements with the Government, among others.

FFM has had this title since 1989 and, thanks to it, has access to tax immunity from taxes and social contributions, providing the FMUSP-HC System with tax savings of approximately R\$365 million per year,

resources that are entirely allocated to the FMUSP-HC System in the form of costs, hiring of human resources, acquisition of medical and hospital equipment, modernization of the technological park, maintenance, renovations, expansions and other initiatives that, in the end, have as beneficiaries the patient of the Unified Health System - SUS.

A summary of the number of services provided, in the last two years, by Hospital das Clínicas and FFM, in joint action (except InCor, IMRea [page 58] and Icesp [page 69]), is shown below.

2024							
ASSISTANCE INDICATORS OF THE HCFMUSP INSTITUTES (EXCEPT INCOR, IMREA AND ICESP)							
Institute / Hospitals	Hospitalizations	Surgeries	Urgent and emergency attention	Appointments	Imaging Exams	Lab Exams	Total per unit
ICHC	28,072	20,480	46,088	658,708	16,062	8,359,716	9,129,126
IPq	1,061	7	-	53,540	4,448	-	59,056
IOT	4,364	4,692	11,190	67,828	56,724	137,944	282,742
ICr	5,836	2,080	14,082	53,474	38,253	822,861	936,586
InRad	-	-	-	2,732	247,523	-	250,255
Iper	2,192*	-	-	9,122	-	-	11,314
Total	41,525	27,259	71,360	845,404	363,010	9,320,521	10,669,079

Source: PU (Single Spreadsheet) – Strategy and Operations Center of HCFMUSP

*Hospital discharges

2023							
ASSISTANCE INDICATORS OF THE HCFMUSP INSTITUTES AND AUXILIARY HOSPITALS (EXCEPT INCOR, IMREA AND ICESP)							
Institute / Hospitals	Hospitalizations	Surgeries	Urgent and emergency attention	Appointments	Imaging Exams	Lab Exams	Total per unit
ICHC	24,992	17,869	135,423	646,024	12,361	7,434,551	8,271,220
IPq	959	13	-	60,538	3,433	-	64,943
IOT	4,133	3,973	14,614	64,033	58,559	145,233	290,545
ICr	5,924	1,970	35,675	65,107	33,380	824,487	966,543
InRad	-	-	-	2,992	239,573	-	242,565
HAS*	36	-	-	5	148	42	231
Total	36,044	23,825	185,712	838,699	347,454	8,404,313	9,836,047

Source: PU (Single Spreadsheet) – HCFMUSP Strategy and Operations Center

*Activities until July/23

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SPECIAL PROCEDURES

FFM and HCFMUSP jointly perform transplants and implants, highly complex procedures and pharmaceutical assistance to SUS patients

Transplants and implants

In line with the objectives of the Comprehensive Health Care Agreement for SUS Patients, signed between FFM and HCFMUSP (Parties) and SES-SP, HCFMUSP and FFM jointly perform transplant and implant procedures which are of great

importance to the population and considered by the Ministry of Health to be strategic for SUS care. The number of transplant and implant procedures performed free of charge in the last two years was as follows:

STRATEGIC PROCEDURES - TRANSPLANTS AND IMPLANTS		
Description	Amount	
	2023	2024
Cochlear implant	77	46
Partial hepatectomy for transplant (living donor)	56	48
Unilateral nephroureterectomy for transplant	27	33
Allogeneic bone marrow hematopoietic stem cell transplantation - related	28	39
Allogeneic bone marrow hematopoietic stem cell transplantation - unrelated	15	6
Allogeneic cord blood hematopoietic stem cell transplantation - unrelated	-	-
Allogeneic peripheral blood hematopoietic stem cell transplantation - related	9	17
Allogeneic peripheral blood hematopoietic stem cell transplantation - unrelated	2	2
Autogenic bone marrow hematopoietic stem cell transplantation	6	27
Autogenic peripheral blood hematopoietic stem cell transplantation	67	64
Corneal transplant	142	157
Corneal transplant (in combined surgeries)	-	-
Corneal transplant (in reoperations)	-	-
Sclera transplant	-	-
Liver transplant (deceased donor organ)	179	161
Liver transplant (living donor organ)	56	46
Pancreas transplant	3	9
Kidney transplant (deceased donor organ)	132	123
Kidney transplant (living donor organ)	38	45
Simultaneous pancreas and kidney transplantation	3	-
Total	840	823

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Highly Complex Procedures

In line with the objectives of the Comprehensive Health Care Agreement for SUS Patients, signed between FFM and HCFMUSP (Parties) and SES-SP, HCFMUSP and FFM jointly perform, Highly Complex

Outpatient Procedures, the production of which over the last two years is shown in the table below:

AMBULATORY DEMONSTRATION AUTHORIZATION FOR HIGH COMPLEXITY PROCEDURES - APAC		
Description	Amount	
	2023	2024
Diagnosis in a Clinical Laboratory	32,364	31,078
Radiology by Diagnosis	81	30
Diagnosis by Tomography	1,939	2,061
Ultrasonography	27	10
Diagnostic Methods in Specialties	27,439	25,635
Appointments / Services / Follow-ups	6,405	6,477
Oncology Treatment	5,305	4,803
Nephrology Treatment	20,019	21,425
Dental Treatments	34	27
Specialized Therapies	1,468	1,252
Upper Respiratory Tracts, Head / Neck Surgery	0	0
Vision Apparatus Surgery	3,659	5,112
Genitourinary System Surgery	87	33
Reconstructive Surgery	369	257
Nephrology Surgeries	73	93
Minor Surgery and Surgery of the Skin, Subcutaneous Tissue and Mucous	6	0
Collection and Exams for Organ Donation Purposes	19,185	18,583
Follow-up and Post-Transplant Complications	16,068	16,936
OPMs Not Related to the Surgical Procedure	5,539	5,173
OPMs Related to the Surgical Procedure	678	824
Tissue Processing for Transplants	212	83
Clinical Treatments (other specialties)	4,073	4,576
Total	145,030	144,468

Comprehensive Pharmaceutical Assistance

In line with the objectives of the Comprehensive Health Care Agreement for SUS Patients, signed between FFM and HCFMUSP and SES-SP, pharmaceutical assistance is essential for the resolution of health care and services.

Guaranteed supply of medications from the Specialized Component of Pharmaceutical Assistance (CEAF) is essential for maintaining patient treatment and complementing complex and high-cost medical-hospital procedures, such as transplants, for example. In 2024, 44.2 million units of CEAF medications were distributed, representing R\$215.8 million. The control of the dispensing of CEAF medications and the issuance of APACs are carried out through the Hospital Information System – SIGH Prodesp. In 2024, the ICHC Pharmacy handled 880 thousand outpatient prescriptions, averaging 73 thousand/month. There is also a home delivery service for medicines, which has been free since 2013. Approximately 52% of outpatients receive their medicine at home, free of charge.

HCFMUSP has the largest hospital pharmacy in Brazil. The ICHC Pharmacy Division has pharmacies in the Outpatient Building (PAMB), both on the 8th floor, 9th floor (pharmacy serving the Surgical Center) and in the building attached to the PAMB (pharmacy serving outpatients). In the ICHC building, there are decentralized pharmacies on the 4th floor (pharmacy serving the Referral Emergency Unit) and on the 9th floor.

Today, the Pharmacy Division employs 142 people, of whom 41 are pharmacists and 31 are resident pharmacists, and the rest are interns, technical and support staff.

Founded in the same year as HCFMUSP, 1944, the Pharmacy Division is also a production environment, where medications that are no longer sold are manufactured, as they no longer attract commercial interest. Different dilutions and dosages from those available on the market are also prepared, according to the patient's needs, or compositions different from the traditional ones. In 2024, the production of medications generated savings of R\$12 million. Forty-seven types of standardized medications were produced, with a total of more than 7.5 million units, and 357 formulas (438 thousand units) were also manipulated in a personalized and individualized manner, to meet medical prescriptions and patient needs.

The pharmacy also dispensed 13 special products, produced for research protocols, for a total of 11,275 units. In addition to the medications produced internally, 364 different medications were also purchased and unitized, totaling more than 710 thousand units to meet the prescriptions of hospitalized patients.

In 2024, improvement cycles were carried out in the Pharmaceutical Assistance processes, aiming at safety and innovation actions in the activities carried out, such as:

- a) Improvement of indicator management with the creation of Power BI;
- b) Participation of the pharmaceutical team in the Lean project in Emergencies;
- c) Implementation of the electronic dispensary in the ICU on the 11th floor of the ICHC in the GN wing;
- d) Implementation of the pilot project of the distribution system by shift in the Infectious and Parasitic Diseases Ward;
- e) Manipulation of a new medication - Development of the indomethacin suppository;
- f) Actions for inclusion and diversity: Customized pharmaceutical guidance table, translated into Chinese;
- g) Actions for inclusion and diversity: Stop Transphobia Training, Dialogues on racism and sign language interpreter;
- h) Pharmaceutical Development Program: interpersonal relationships, innovation and challenges in management, pharmacovigilance, psychological safety;
- i) Expansion of drug traceability with real batch movement of all psychotropic and narcotic drugs under Ordinance 344/98 and chemotherapeutics;
- j) Holding of the Rational Use of Antimicrobials Week together with the Antimicrobial Management Team;
- k) Participation in the II Quali Juntos with presentation of the paper "Antimicrobial Management - A Double Check Strategy for the Prescription of Ceftazidime + Avibactam", awarded second place in the health care area; and
- l) Improvement in drug management with a focus on the 10 main items of the ABC consumption curve, generating an estimated annual savings of R\$6 million in 2024.

HOSPITAL UNITS AND SPECIALIZED HEALTH UNITS OF THE FMUSP-HC SYSTEM

The Hospital das Clínicas of FMUSP is made up of nine hospital institutions and outpatient units



In 2024, HCFMUSP turned 80 years old. It was created by Decree No. 13,192, in January 1943, and its official inauguration took place on April 19, 1944.

Considered the largest hospital complex in Latin America, HCFMUSP, with more than 2,400 beds, is made up of nine hospital institutions and outpatient units. More than 1.4 million outpatient consultations, 47 thousand surgeries and 180 thousand emergency and urgent care services are performed annually.

Focused on Assistance, Teaching, Research and Innovation, the FMUSP/HCFMUSP Complex is made up of the following hospital institutions: Central Institute (ICHC) (including PAMB), Institute of Psychiatry (IPq), Institute of Orthopedics and Traumatology (IOT), Institute of Physical Medicine and Rehabilitation (IMRea), Institute of Children and Adolescents (ICr), Heart Institute (InCor), Institute of Radiology (InRad), Cancer Institute of the State of São Paulo (ICESP) (including ITACI) and Perdizes Institute (IPer).

It also has the Medical Research Laboratories (LIMs), the HCX (former School of Continuing Education-EEP), the Laboratory of Teaching, Research and Innovation in Surgery (LEPIC) and the Rebouças Convention Center (CCR).

In the field of innovation, the InovaHC District was created, aimed at creating and developing solutions in healthtech and startups with the aim of bringing efficiency to the entire health system in the country, and the HCFMUSP/InovaHC Artificial Intelligence Laboratory (In.Lab), a space for partners, startups and developers who already have or want to create artificial intelligence (AI) projects aimed at improving and solving the patient journey and the health chain.

The performance of Hospital Units (except Icesp [page 69], IPer [page 78] and InCor) and Specialized Health Units in 2024 is presented on the following pages.



ICHC

Institutional Data:

Foundation: 1944

Building area: 178.5 thousand m²

Accreditations: ONA III, CAP, PALC 2016, ISO 9001, OHSAS 18001, ISO 14001, Elderly Friendly Hospital Seal, SINASC Seal, Environment friendly, International

Certification for Distinctive Assisted Infusion Therapy

Assistance Indicators 2024:

Hospitalizations: 28,072

Surgeries: 20,480

Urgent and emergency care: 46,088

Ambulatory appointments: 658,708

Imaging exams: 16,062

Laboratory exams: 8,359,716

Opened in April 1944, the Central Institute (ICHC) gave rise to HCFMUSP. A pioneer in medical-hospital procedures, its structure concentrates most of the medical and multidisciplinary specialties, and is composed of two interconnected buildings: the Central Building and the PAMB – Outpatient Building. The ICHC is known for its large number of inpatient and intensive care units, in addition to the Referral Emergency Unit for more serious cases.

In February 2024, the new patient reception area was opened, located at the entrance to the 4th floor of the PAMB, where activities are carried out to screen patients referred via the São Paulo State Computerized Regulatory System (SIRESP), enroll, register companions, control visitors, request medical reports and provide Pró-sangue services. The Institute also gained a family reception room, located on the 9th floor of the PAMB. This space is intended to provide a more comfortable and appropriate waiting area for family members and companions of patients undergoing procedures in the Surgical Center.

In March, ICHC inaugurated the new Rest Area for multidisciplinary teams providing direct patient care. The initiative was part of a series of deliveries made on the occasion of the festivities for the 80th anniversary of HCFMUSP. Designed based on concepts that prioritize moments of rest, the new location aims to accommodate frontline teams with comfort, safety, and technology. All other employees in the administrative and support areas have other common areas at their disposal, such as the internal square of the PAMB and the new external square on the 5th floor, in addition to the other places already designated for daily breaks.

In two meetings held in May, the ICHC's Planning and Management Department defined tools and maps that structure its Strategic Planning.

The areas of projects; quality and risk; management information; humanization and outpatient coordination participated in the meetings, whose discussions addressed the main processes and their interfaces with the other areas.

On May 9 and 10, an accreditation audit by the American College of Pathologists was carried out at the ICHC Central Laboratory Division (CLD). Approximately 6,700 questions were evaluated by seven experienced clinical pathologists from the USA, Mexico, Colombia and Portugal, resulting in only five deficiencies and five recommendations for improvement.

In 2024, the ICHC CLD maintained its certification by the NBR ISO 9001:2015, NBR ISO 14001:2015 and ISO 45001:2018 standards by the Carlos Alberto Vanzolini Foundation. DLC has maintained its certification since its first certification in 1997. This external recognition attests to DLC's commitment to offering excellent Clinical Pathology services, consolidating ESG principles in practice, in a pioneering manner, at the HCFMUSP complex.

In May, the transfer of skills for welcoming and receiving people with visual impairments within the ICHC was carried out for professionals from various sectors. The training was carried out by members of the team from the Low Vision Service/Visual Rehabilitation of the HCFMUSP Ophthalmology Clinic.

Information was discussed regarding the impact of visual impairment on the individual's spatial orientation and mobility and on the performance of autonomous life activities. Important concepts regarding the approach to people with visual impairments and sighted guidance techniques were presented.

On June 5, the first procedure was performed in the Hybrid Room, in the ICHC surgical center.



The room was equipped with technology capable of allowing examination and surgery at the same time. It is a top-quality, state-of-the-art radiological equipment that contributes to endovascular operations, in addition to other specialties such as liver transplants, neurointervention, urology, among others.

The structure allows the use of high-quality images inside the surgical center.

On September 19, ICHC kicked off the 2024 Organ Donation Campaign with an official ceremony that highlighted the importance of raising awareness about organ donation. During the opening, the Liver Transplant Manual was launched, a work that brings together the latest advances, practices and protocols in the field of liver transplants.

The campaign aimed to increase the number of donations and raise awareness among the population about the positive impact that this practice can have on the lives of thousands of people waiting for a transplant.

In addition, the event highlighted the success of the Hospital das Clínicas transplant program, which is a national benchmark in the sector.

In October, the Discipline and the Obstetrics Division held a series of three meetings focused on developing the Strategic Planning for the next five years, bringing together approximately 80 participants at each event, including collaborators and interprofessional teams working in the area, undergraduate, graduate, medical residency and specialization students, and patients, for a collaborative and inclusive construction of the unit's guidelines.

The first meeting was dedicated to defining the mission, purpose and values of the Obstetrics Clinic; the second addressed academic activities; and the third focused on patient care issues. This structured approach allowed for an in-depth and segmented analysis of the area's needs and objectives, as well as open discussion between professionals and service users.

The ICHC's Berilo Langer, PhD, Teaching Center hosted the 6th series of the Workshop on Combating Transphobia on December 17. The action is carried out by the Diversity Group and is part of the Dialogues Project.

The workshops began in 2023, following reports of transphobic acts in the institution's service. Since then, more than 600 people have participated in the meetings on diversity and inclusion.

This time, the target audience was made up of professionals from the Linen, Janitorial and Nursing departments, who received information and guidance on attitudes and behaviors to be adopted with LGBTQIAPN+ people, especially transgender people.

During the meeting, reports on situations of vulnerability among family members were shared, and questions about reception, gender identity and respect for social names were discussed.

In 2024, in a joint action with FFM, ICHC carried out **9,129,126 assistance procedures.**



IPq

Institutional Data:

Foundation: 1952
Building area: 22 thousand m²
Accreditations: ONA III; Seal of the Senior-Friendly Hospital Program

Assistance Indicators 2024:

Hospitalizations: 1,061
Surgeries: 07
Ambulatory appointments: 53,540
Imaging exams: 4,448



The Institute of Psychiatry (IPq) is the largest and best-equipped Psychiatry and Mental Health Center in Brazil. Since its creation, it has been combining science and sensitivity to offer excellence in Research, Teaching and Assistance.

As a pioneer in the creation of specialized groups and services, the Institute provides comprehensive and integrated care for the various types of psychiatric disorders and has an inpatient unit specialized in child psychiatry – the only one in Brazil. The IPq is also a benchmark in functional neurosurgery, the result of the joint effort of multidisciplinary teams.

The Obsessive-Compulsive Spectrum Disorder Program (Protoc) at the IPq was founded in 1994. Obsessive-Compulsive Disorder (OCD) is characterized by the presence of repetitive and involuntary thoughts, images or impulses, causing discomfort and being relieved by compulsions. The OCD spectrum also includes trichotillomania, pathological hoarding, body dysmorphia, among others.

Protoc works with the Assistance, Research and Education fronts to promote understanding and develop better treatments for these conditions.

The goal is to provide assistance to patients, whenever possible, within the context of a research project; develop clinical, genetic, neurobiological and neuroimaging research projects based on data collected from patients who agree to participate in the projects; develop teaching activities related to

the outpatient facility, such as internships for undergraduate students from FMUSP and partner institutions; and absorb scientific initiation, master's and doctoral students from the FMUSP Department of Psychiatry, with supervision and guidance from team doctors.

Under the leadership of IPq, in 2024, the BURITI – SD Network was created, an innovative platform for research, training, innovation, technology and inclusion dedicated exclusively to Down Syndrome (DS), through a public notice issued by the Ministry of Science, Technology and Innovation (MCTI). In addition to the IPq team, the BURITI-SD Network includes researchers from the Federal Universities of São Paulo and Minas Gerais; the Santa Casa de São Paulo School of Medical Sciences; the São José do Rio Preto School of Medicine and the Emory University School of Medicine (United States), among others, as well as support from national and international Down Syndrome associations. The Alana and Jô Clemente Institutes, the proposing and executing team, are also participating.

The resources should make the following objectives of the network viable over the next three years:

- 1. Creation of the Brazilian Cohort of People with Down Syndrome, covering different age groups (children, adolescents, adults and the elderly);
- 2. Creation of the Biobank dedicated to Down Syndrome, gathering biological samples (from different matrices) collected longitudinally from the cohort participants;



3. Launch of the Health Observatory for Down Syndrome with clinical and sociodemographic data representative of the different regions of Brazil;

4. Creation of a large-scale database with clinical, sociodemographic and biological variables of scientific and clinical relevance with national scope, which will be made available to the scientific community in the future.

Topics such as “what are dementias”, “what is caregiver stress and how to avoid it”, “how to understand and deal with changes in behavior” and “how to adapt the environment for people with dementia and offer food safely” were the topics covered in the Psychoeducational Meetings of the IPq Senior Citizen Program, offered to family members and caregivers of patients with dementia. The meetings were held throughout 2024, always on Mondays, from 3 p.m. to 5 p.m., in a hybrid format via the Zoom platform. The goal is to provide information on how to deal with dementia patients on a daily basis.

On September 6, the Institute held another edition of IPq Open Doors, an annual and free event that welcomes the public to a series of activities and lectures on mental disorders, with the main objective of combating stigma and prejudice related to mental health. More than 250 professionals gathered to share knowledge and discuss a wide range of topics, such as anxiety, depression, binge eating, aging, gambling addiction, among others.

For the first time, some in-person presentations were also broadcast online.

With another IPq Open Doors, IPq reaffirms its commitment to public education and the dissemination of qualified knowledge about mental health, consolidating itself as a benchmark in the integrated and humane treatment of mental disorders.

In September 2024, Hospital das Clínicas released the ranking of scientific production of its 66 Medical Research Laboratories (LIMs) between 2020 and 2023. In first place in the ranking was the Laboratory of Psychopathology and Psychiatric Therapy – LIM/23.

Over the four-year period, LIM/23 produced science in all topics considered in the calculation of the final ranking result: national and international production, citations of its studies in articles, fundraising, training of human resources and knowledge dissemination work.

Linked to the Department of Psychiatry at FMUSP, LIM/23 focuses its work on the following lines of research: psychosocial aspects of mental disorders; epidemiology of mental disorders; psychiatric epidemiology; red blood cell metabolism; personality; clinical psychopharmacology; clinical psychophysiology; psychometrics; obsessive-compulsive disorder and other anxiety disorders in childhood and adolescence.

In 2024, IPq received the Senior Friendly Hospital seal from the São Paulo State Health Department. This is an important step towards a more comprehensive approach to care for the elderly population, especially with regard to mental health.

The Senior Friendly Seal aims to encourage municipalities and public and civil society entities to implement actions that certify municipalities in São Paulo, in accordance with good public practices aimed at the elderly.

In 2024, in a joint action with FFM, IPq carried out **59,056 assistance procedures.**

IOT

Institutional Data:

Foundation: 1953
Building area: 27.5 thousand m²
Accreditations: ONA II

Assistance Indicators 2024:

Hospitalizations: 4,364
Surgeries: 4,692
Urgent and emergency care: 11,190
Ambulatory appointments: 67,828
Imaging exams: 56,724
Laboratory exams: 137,944



Disclosure: IOT

IOT facade

On July 31, the IOT celebrated its 70th anniversary. The history of the Institute began in the 1940s. An epidemic of poliomyelitis (infantile paralysis) affected countless children, not even sparing the son of then President Getúlio Vargas, who died of the disease.

Vargas responded to the request of Professor Francisco Elias Godoy Moreira, the founder of the Institute, and authorized the construction of a hospital to treat poliomyelitis.

Construction work began in 1944 and, on July 31, 1953, the Orthopedic and Traumatology Clinic of the Hospital das Clínicas was officially opened and moved to its own building, with 10 floors and a three-story annex.

During the acute phase of Poliomyelitis, the new facility had 50 beds and was equipped with iron lungs, which were necessary for treating patients with respiratory complications.

With the eradication of the disease, the hospital changed its profile and adapted to the needs of the city, which was constantly growing. The IOT began to be used for the care, research and teaching of other important orthopedic conditions.

During these seven decades, the Institute has built a trajectory with remarkable events, such as the inauguration of the Microsurgery and Hand Surgery Center in 2010. The facility was the first center of its kind in Brazil to have specialized teams with 24-hour care. In the same year, the IOT received Accreditation as a FIFA Medical Center of Excellence, through the Sports Medicine Discipline.

In 2012, the Institute performed a knee cartilage transplant, a technique that was the first of its kind in the country. In 2014, it performed endoscopic surgery to treat a lumbar disc herniation in a less invasive manner. The procedure lasts only 30 minutes and the patient is discharged on the same day.

In 2019, the Prof. Manlio Mario Marco Napoli Laboratory, the only one in the country that has

computed tomography technology with a charge, and the Assistive Technology and Research Laboratory (Rehab Lab) were opened. In 2021, the Institute implemented Teleconsultation and Remote Visit, initiatives of the Digital Health Program.

Currently, the IOT occupies two buildings, the first with 10 floors and the second with four. Both are intended for the treatment of diseases of the locomotor system.

It has seven specialty laboratories and a clinical staff of approximately 160 doctors, including orthopedists, residents in the specialty and a group of anesthesiologists. This group also includes pediatricians, geriatricians, physiatrists, plastic and thoracic surgeons, urologists and cardiologists, who provide medical support to patients undergoing orthopedic treatment.

On May 11, 2023, the IOT Acupuncture Center held a ceremony in honor of the 50th anniversary of acupuncture in the public health service. Acupuncture is part of a set of therapeutic practices in traditional Chinese medicine and has been crossing borders and gaining numerous followers around the world over thousands of years.

Hospital das Clínicas was a pioneer in introducing acupuncture into the public health service and in academia. In 1973, the IOT Physical Medicine Division introduced Ryodoraku electroacupuncture. In 2006, the IOT Acupuncture Center was created, and soon after, the medical residency in acupuncture began at Hospital das Clínicas. Currently, the IOT Acupuncture Center trains around 30 doctors and treats an average of 900 patients per year.

With a focus on patient safety and continuous process improvement, in September 2023, the IOT received ONA level 2 accreditation (Fully Accredited), valid for two years, which, in addition to evaluating safety criteria, also requires the organization to have integrated process management, promoting improvement actions between areas.

The certification of a health care organization through accreditation is a recognition that the institution meets the rigorous standards required by the methodology. During the assessment, all areas of the institution are visited and more than 1,700 requirements are verified.

In 2024, the IOT conducted a study showing that hyperbaric oxygen therapy can contribute to the recovery of musculoskeletal injuries and indicates the effectiveness of the hyperbaric chamber in post-surgical recovery of the anterior cruciate ligament reconstruction in the knee. The analysis under development has opened new lines of research in the treatment of some orthopedic diseases.

The study divided two groups, in which one group remained in normal air and the other spent five consecutive days receiving an hour and a half of hyperbaric oxygen. After three months, which is the recovery time of the ligament, a promising result was analyzed in high-resolution exams in which the ligament was much more resistant.

In February, the IOT implemented the “Hospital Hygiene Management – Digital Checklist 4.0” system.

The new system provides important information for good management of the hospital cleaning service, an essential activity that is extremely important for the hospital's dynamics.

The goal of all this work is to provide timely service to the health care team and patients, generating indicators to assess the hygiene procedures performed as well as people management, that is, assigning professionals primarily to critical areas. The initiative is a major step towards providing information that helps decision-making and ensures hospital efficiency.

In November, the Humanization group, in partnership with the different areas of the IOT, carried out several actions to promote awareness and encourage comprehensive care for employees and patients, with the aim of drawing attention to the issue and mobilizing women to self-care.

In 2024, in a joint action with FFM, the IOT carried out **282,742 assistance procedures**.

IMRea

Dados Institucionais:

Foundation: 1975
Building area: 36 thousand m²
Accreditations: CARF, Accessibility Seal

Assistance Indicators 2024:

Total quantity of Assistances (Vila Mariana, Umarizal, Lapa, and Clínicas Units): 225,836



The Institute of Physical Medicine and Rehabilitation (IMRea) – initially called the Vergueiro Professional Rehabilitation Division (DRPV) and later the Rehabilitation Medicine Division (DMR) – has multidisciplinary teams and cutting-edge technology,

with the largest and most complete technological park in Latin America, serving people with physical, temporary or permanent disabilities in a comprehensive and integrated manner based on the development of their physical, psychological, social, educational and professional potential.



IMRea seeks to pioneer rehabilitation care through clinical research and technological innovations, with the development of strategies to assess results for the patient and society. The Rehabilitation Programs are organized with an emphasis on multidisciplinary work, coordinated by a physiatrist and carefully developed by doctors, social workers, psychologists, physiotherapists, occupational therapists, speech therapists, nurses, nutritionists, physical educators and art educators.

These are highly specialized teams, responsible for planning, implementing and monitoring specific treatments, improved by the constant development and incorporation of new technologies.

The main disabilities treated by IMRea are due to brain injury, spinal cord injury, amputations, neurodegenerative diseases, neuromuscular disorders, post-COVID complications, as well as congenital malformations of the upper and/or lower limbs, cerebral palsy and/or delayed neuropsychomotor development, hemophilia, Down syndrome, and disabling benign pain.

In 2020, due to pandemic restrictions, IMRea also added teleconsultation, a remote care modality, to patients undergoing rehabilitation programs. This is an extension of the multidisciplinary team service already provided by the IMRea team to patients and caregivers, with the aim of monitoring home therapeutic guidelines and promoting continuity of rehabilitation care for the patient.

IMRea is part of the Lucy Montoro Rehabilitation Network and, currently, of the five RRLM Units in the Capital of São Paulo, four are part of IMRea: Vila Mariana, Lapa, Umarizal and Clínicas. IRLM (page 73) is the fifth RRLM Unit in the Capital.

IMRea's headquarters are located in Vila Mariana, in the south of São Paulo, and serves an average of 252 patients per day, including in-person and teleconsultation care, and offers specialized exams and treatments with state-of-the-art equipment, including Robotics, Neuromodulation, Three-Dimensional Movement Analysis, Assistive Technology and Bioengineering Laboratories, in addition to an outpatient clinic specialized in Neuromuscular Blockade.

The hospitalization has adapted rooms to provide patients and their caregivers with humanized care and comfort that meets their needs. In 2024, IMRea Vila Mariana performed 159 hospitalizations.

The health care team is made up of physiatrists, dentists, social workers, psychologists, physiotherapists, occupational therapists, nurses, speech therapists, nutritionists, physical education professionals, rehabilitation technicians, rehabilitation engineers, among other professionals, in addition to specialists for support in the areas of cardiology, urology, infectious diseases, psychiatry and general medicine.

Opened in 2001, the IMRea Umarizal is located in the Campo Limpo neighborhood, in the South Zone of São Paulo. This unit serves approximately 121 patients per day, both in-person and teleconsultation appointments, in various rehabilitation programs. It offers cutting-edge technology, such as the Robotics Laboratory and the Assistive Technology Laboratory, which aim to develop patients to their full potential. It also offers specialized outpatient clinics, such as Neuromuscular Blockade, Acupuncture and Dentistry.

In the city's West Zone, IMRea Lapa, opened in 2007, currently serves approximately 160 patients per day, including in-person and teleconsultation care, in different rehabilitation programs. It offers specialized outpatient clinics, such as those for hemophilia and comprehensive care for individuals with Down syndrome, serving patients from birth to 18 years old, with tailored programs according to age groups and different stages of development.

Specifically, in this Unit, in addition to regular rehabilitation treatments, the Re-AbilityLab (LABs) stands out, which has laboratories where activities are developed by a multidisciplinary team and specialized technicians, with the objective of promoting the maintenance and expansion of functional capacity and autonomy of patients during the rehabilitation process.

The LABs were designed and created so that all patients have access to innovations, technological tools and content that encourage protagonism and recognize the value of their own abilities. They are offered in an inclusive environment for people with functional restrictions and limitations in different life cycles. Activities and guidance are offered not only to people with disabilities, but also to their entire support network: their caregivers, family members, friends, students from the community, health and education professionals, among others.

This unit houses the Wheelchair Technology Center and management and development workshops related to the provision of assistive products for the mobility of patients in rehabilitation programs.



Opened in 2008, IMRea Clínicas is located within the Hospital das Clínicas block and serves approximately 64 patients per day in various rehabilitation programs, including in-person and telehealth care, who are referred by the specialized outpatient clinics of Hospital das Clínicas, interconsultation of Hospital Physiatry at the Hospital das Clínicas Complex, and by spontaneous demand from the Supplementary Health.

This unit treats more complex cases, such as neuromuscular diseases, cerebral palsy and/or neuropsychomotor development delay, neurodegenerative diseases and musculoskeletal pathologies, in addition to having a Neuromuscular Blockade outpatient clinic and a specialized Electroneuromyography laboratory.

In 2024, the number of outpatient services provided by IMRea, including medical and dental consultations, multidisciplinary services, both in-person and teleconsultations, and examinations, was **225,836**, as follows:

INSTITUTE OF PHYSICAL MEDICINE AND REHABILITATION - ASSISTANCES IN 2024					
Unit	Medical Services	Multiprofessional Services	Exams	Hospitalizations	Total
Vila Mariana	15,942	75,249	4,368	159	95,718
Lapa	3,698	60,503	0	0	64,201
Umarizal	5,033	39,615	0	0	44,648
Clínicas	3,260	17,544	465	0	21,269
Total	27,933	192,911	4,833	159	225,836

In 2024, with the support of the State Departments of Health and the State Department for the Rights of Persons with Disabilities of São Paulo, IMRea and other educational and research institutions created the Center for Assistive Technology for Activities of Daily Living – CTECVIDA, whose objective is to provide ways to restore or maintain mobility for people with disabilities. This initiative is part of the Science Centers for Development, funded by the São Paulo State Research Support Foundation to promote collaboration between research institutes, universities and companies aiming at the translation between research and development projects and society.

IMRea also started, with the support of the University of São Paulo and an inter-institutional group of São Paulo research entities, a project that proposes the development of an articulated ankle-foot orthosis, which integrates motorized assistance, functional electrical stimulation (FES) and sensory vibration stimuli for the motor rehabilitation of patients with foot drop syndrome.

Furthermore, throughout the year, the Institute filed two patent applications with the National Institute of Industrial Property: a “Cushion with a reactive system and clinical monitoring for wheelchairs and individual furniture seats”, a device equipped with sensors to adjust the air pressure in the cushion, with temperature and humidity monitoring, issuing alerts when these factors reach high levels; and the “Monitoring and control system for cycle ergometer rehabilitation therapies with functional electrical stimulation”, a control and monitoring system for rehabilitation therapies that integrates a cycle ergometer and FES.

In 2024, the Pan American Health Organization and World Health Organization (PAHO/WHO) Collaborating Center (CC) for Rehabilitation and Assistive Technology collaborated with these international organizations and the National Health Surveillance Agency on the project for normative mapping and evidence gathering regarding the standardization and sanitary regulation of assistive products in seven countries, with the aim of strengthening the surveillance and monitoring system for these products in Brazil.

The CC also initiated a project in collaboration with the United Nations Office for Project Services and the Global Partnership for Assistive Technology that aims to reduce tariffs and taxes on assistive products in African countries, in addition to another, in partnership with the WHO, to review the prices of assistive products in 12 countries, work that will support the review of the Priority Assistive Products List.

Throughout the year, IMRea received several international guests, such as doctors, researchers and professors, from countries such as the USA, Canada, Colombia, Turkey and Peru. These visits aim to present the Institute's Teaching, Research and Innovation activities and projects, as well as its outpatient and inpatient care programs. In the case of visiting professors, opportunities for international mobility are strengthened for students, professors and technical-administrative staff.

Regarding activities related to the development of scientific research, in 2024, 18 research projects were submitted and 11 scientific publications were carried out in indexed national and international journals, in addition to supervising research in master's, doctoral and post-doctoral work.

IMRea also publishes the *Acta Fisiátrica Journal* quarterly and, in 2024, 4 issues were published, totaling 40 articles, in addition to 1 supplement containing 75 abstracts.

In 2024, the IMRea Research Center worked on 16 projects. Among the highlights are the case report on Cardiopulmonary Testing in an Exoskeleton for Robotic Walking on a Treadmill with Body Weight Suspension, an option for cardiac assessment of people with tetraplegia, and the project Robotic Rehabilitation for Gait Recovery in People with Physical Disabilities, which compares the conventional rehabilitation program with the program that incorporates robot-assisted rehabilitation, regarding the effectiveness of motor recovery of patients.

Throughout 2024, the Institutional Communication Center (CCI) promoted several events and actions aimed at celebrating, raising awareness and provoking reflections.

Among the initiatives, the celebration of the International Women's Day, where patients and caregivers participated in a therapeutic workshop on facial skin care and makeup; the presentation of the aphasia theater group "Being on stage", during the Aphasia Awareness Month, with interactive performances for patients and employees; a class on Diversity and Inclusion of People with Disabilities, for postgraduate students in Public Health at the Health Institute; and the World Stroke Day action, alerting patients, caregivers and employees about precautions for preventing the disease.

To celebrate the National Day of the Struggle of People with Disabilities, a date that marks the mobilization for the social inclusion of people with disabilities, IMRea welcomed the Banda Incordes for a musical performance.

Also in celebration of this date, the theater group for aphasics "Being on stage" promoted dance skills workshops, a practice that uses dance and movement techniques to allow people with and/or without limitations to explore their ability to move, whether alone or in a group.

With the aim of celebrating the International Day of Persons with Disabilities and drawing the public's attention to how to create inclusive spaces and break down prejudices and attitudinal barriers, IMRea, in partnership with SESC Vila Mariana, promoted a series of activities alluding to the date: adapted sports practices, a presentation by the band of patients from IMRea Lapa and a chat about inclusion and diversity through sports and the socialization of people with disabilities, with professionals from the medical and physical conditioning fields, for more than 400 people.

The Lucy in Action project, which aims to promote the social inclusion of people with disabilities in public and private spaces in the city of SP, took patients to watch, free of charge, the musical Rita Lee, a Musical Autobiography, at the invitation of Teatro Porto Seguro.





ICr

Institutional Data:

Foundation: 1976

Building area: 38.8 thousand m²

Accreditations: ONA III

Assistance Indicators 2024:

Hospitalizations: 5,836

Surgeries: 2,080

Urgent and emergency care: 14,082

Ambulatory appointments: 53,474

Imaging exams: 38,253

Laboratory exams: 822,861

The Institute for Children and Adolescents (ICr) is a reference in tertiary and multidisciplinary care, from birth to adolescence, with humanization as one of its premises.

It has high diagnostic and therapeutic technology, in addition to 20 medical specialties that offer excellent care in cases of chronic and complex diseases, such as rare syndromes and kidney and liver transplants.

In 2023, the ICr maintained the highest level of the National Accreditation Organization (ONA) certificate, Level 3, Accredited with Excellence, valid until April 2026.

Among the highlighted strengths were the visual dissemination of the strategic planning through a panel; ambiance of the areas with decorations and children's motifs aligned with the guidelines of the Baby-Friendly Hospital; "Transition Project", to improve patient dehospitalization; promotion of lectures focused on diversity; guidance manual for companions of patients admitted to the Pediatric ICU, with audio content and access via QR Code; therapeutic education program, with a patient plan performance panel; creation of the "Pacotinho Protocol" for performing magnetic resonance imaging, without anesthesia, on newborns; in addition to a project that combats waste in the pharmacy, enabling the reduction of the disposal of prepared and fractionated medications; among others.

In February 2024, the ICr Occupational Therapy Service held the workshop "My patient has Autism Spectrum Disorder (ASD), what now?", aiming to develop guidelines for the care of children with ASD. With the participation of Occupational Therapy professionals and residents, the workshop presented guidelines that aim to facilitate the inclusion of patients in the area's services.

In May, the ICr launched the second book in the "Bel: Science for Children" collection, which entertains and educates young readers about the importance of vaccines in the human body to save lives. The book introduces the girl "Bel" with real characters (such as the scientist Ester), mentions Oswaldo Cruz and introduces Zé Gotinha, known for his vaccination campaigns.

The book launch also included a reading circle held with young ICr patients.

In June, the ICr attended the 12th edition of the World Federation of Pediatric Intensive and Critical Care Societies congress. The event brought together approximately 1,300 people from various countries and discussed topics such as intensive care for children and adolescents and presented advances in intensive and critical care in pediatrics. The congress enabled a great exchange of knowledge and demonstrated the strength of Brazilian Pediatric Intensive Care.

The celebrations of the 80th anniversary of Hospital das Clínicas at the ICr began on October 2nd, with a presentation by the Cia. Circo de Bonecos for employees, children and grandchildren of employees, patients and students of EMEI Prof. Antonio Branco Lefevre, located within the HCFMUSP Complex.



Disclosure: ICr

Children's theater performance opens HC's 80th anniversary celebrations at the ICr



Around 100 spectators, mostly children, watched the artists perform the show “Circus – A New Tour”, a play that won the 2000 APCA Award for Best Animated Show, which pays a simple tribute to the circus universe, based on a sequence of short sketches of subtle humor led by two clowns in a shoddy circus ring.

The opening of the calendar of celebrations for the 80th anniversary of the HC at the ICr also marked the reopening of the Ground Floor Amphitheater, which had been closed for three months for renovation, readjustment of the physical spaces and renewal of the sound, transmission and multimedia structure. In 2024, in a joint action with FFM, the ICr carried out **936,586 assistance procedures.**

InRad

Institutional Data:

Foundation: 1994

Building area: 14.3 thousand m²

Accreditations: ONA III, ONA/IBES IBES Level 3 and National Program of Quality in Mammographies (PNQM), QUANUN

Assistance Indicators 2024:

Ambulatory appointments: 2,732

Imaging exams: 247,523



InRad facade

The Radiology Institute (InRad) is a center of excellence and a national and international benchmark with the most modern diagnostic and therapeutic imaging resources to serve outpatients and inpatients in Radiology, Nuclear Medicine, Interventional Radiology and Radiotherapy. It was the first institution in Latin America to apply Nuclear Medicine techniques and the first in South America to have high-dose rate brachytherapy equipment and a Production and Development Unit for Positron-Emitting Radiopharmaceuticals in Nuclear Medicine (Cyclotron Project) installed in a public hospital in the country for use in tumor diagnostic exams and in research projects in the area of molecular imaging.

With the mission of improving diagnostic imaging and therapeutic oncology, the institution also promotes scientific knowledge through teaching, research, education and training activities.

One of the new studies that InRad is carrying out is the application of Artificial Intelligence to prepare its reports, streamlining and standardizing their issuance.

To support its teaching and research activities, InRad has a library specialized in Radiology and Nuclear Medicine, undergraduate and graduate departments, a clinical research center and medical research laboratories in Experimental Oncology, Nuclear Medicine and Magnetic Resonance Imaging in Neuroradiology. In 2015, InRadiando was created, the educational arm of the Institute that is responsible for actions aimed at the continuing education of doctors and health professionals.

In addition, the Institute is recognized for the development of projects related to innovation and technology. In 2015, InovaHC was created, with the mission of enabling innovative solutions and businesses that meet the health demands of HCFMUSP and the Brazilian health system.

Directly linked to InRad, the InovaHC District, opened in 2019, is a space to house startups and innovation labs in a modern structure.

In 2020, in partnership with Siemens Healthineers, In.Lab was created, the only research center in the country that follows the triple helix model for innovation and develops solutions in artificial intelligence applied to health.

On January 23, 2024, the teenage children of employees at the Hospital das Clínicas Complex had the opportunity to learn about the daily lives of InRad's Young Apprentices, aged 13 to 18. The participants chatted about Digital Health, Fun and Problems and took part in a Conversation Circle with InRad's Young Apprentices, a time when they were able to learn and share their expectations regarding the job market. This exchange of experiences was sealed with a fun quiz, which awarded prizes to the top three.

In order to facilitate children's adherence to cancer treatment, InRad technicians decided to customize the masks used during radiotherapy sessions. The initiative, created in 2019 by InRad technicians with the aim of humanizing treatment, has already benefited approximately 235 children.

Another important result was the reduction in patient sedation, which fell by up to 32%, which also influences the duration of the session and the cost of treatment.

On March 3, the new MRI equipment was delivered to InRad. The equipment is part of the project to modernize and expand the Institute's MRI service. Inova HC won the 2024 Health Leaders Award from Grupo Mídia, in the Research, Development and Innovation (RD&I) category, in a ceremony held on June 6 at Palácio Tangará, in São Paulo.

Medical Research Laboratories (LIMs)

The Medical Research Laboratories (LIMs) of HCFMUSP, officially established in 1977, house more than 240 research groups in various areas of medical and biomedical knowledge. They function as a training ground for undergraduate (Scientific Initiation), graduate and post-doctoral students, who form centers in different regions of the country. In addition to training researchers, qualifying students and professionals in the health area, they offer courses and conduct research.



The award is a significant distinction, the result of an evaluation carried out by the Editorial Board of Grupo Mídia, which considered both the open vote on the event's official website and a market survey conducted throughout 2023.

InRad celebrated its 30th anniversary during the event "Radiologia HC: 30 years of pioneering, innovation and transformation of health care", held on November 4th.

The ceremony presented the Institute's important contributions over these three decades. The institution's new visual identity was also presented during the event, marking a new era through the modernization of the logo and brand.

With approximately 9 million consultations in these 30 years and the milestone of more than 1 million exams performed per year, the Institute has also established itself as a training center, having received more than 500 residents throughout its history.

In 2024, in a joint action with FFM, InRad performed **250,255 assistance procedures**.

The Institution has 66 LIMs, which occupy an indisputable position of scientific leadership in Medicine and related areas. The prolific production of knowledge from the LIMs is distributed across FMUSP-HC System.

This configuration and its results indicate the success of the close dialogue between scientific research activity and the day-to-day activities of the HCFMUSP.



LIMs play an important role in promoting technological innovation because they constantly partner with EPeClin and InovaHC to develop projects, and they also work in alignment with the FMUSP Research Committee.

They are members of the FMUSP Waste Committee and work closely with the Hospital das Clínicas Specialized Occupational Medicine Service (SESMT-HC) to promote and ensure laboratory safety.

FMUSP-HC System has sought to strengthen multi-user structures. In 2012, it implemented the PREMIUM Multi-User Equipment Network Program (premium.fm.usp.br), jointly managed by the Board of Medical Research Laboratories of Hospital da Clínicas and the Board of FMUSP. This Program aims to create conditions so that all researchers in the FMUSP-HC System, and outside it, have access to the most modern technologies in contemporary biomedical research and, at the same time, optimize the application of specialized financial and human resources. The network's centers are coordinated by researchers with recognized experience in their respective areas of activity. These researchers ensure that all interested parties can benefit from the equipment park.

The LIMs undergo a process of evaluation of scientific production, which has been improved over the years, since 1988. The training of human resources, which, together with scientific production, constitutes the mission of the LIMs, has also shown a tendency to grow over the last ten years.

Between 2011 and 2024, more than 31 thousand original articles were published in the FMUSP-HC System. Among the publications made in the last three years (2021-2023), 24.2% were in journals that are among the top 10, having achieved the goal of increasing citations in papers by 20%.

In light of the COVID-19 scenario, in 2021, 10.5% of the LIMs' production was related to the topic. International cooperation is abundant with institutions from Europe, South, Central and North America, and Asia.

According to the Ministry of Science, Technology and Innovation, the scientific production developed in the LIMs of the FMUSP-HC System represents 4.1% of Brazilian publications and 2.2% of Latin America, in the areas of health and biomedical sciences, respectively.

In August 2024, the LIMs of Hospital das Clínicas and FMUSP Library held a Scientific Seminar to celebrate the first decade of activity of the Intellectual Production Observatory (OPI), an institutional repository that brings together research developed within the System. The event discussed new horizons for research and presented the new version of the OPI.

On December 5, 2024, the Mário Camargo Amphitheater hosted the 11th Meeting of LIM Facilitators, promoted by the Technical Management of the LIM Executive Board. The event aimed to strengthen connections between facilitators, promote the exchange of experiences, and promote innovative practices to improve processes in laboratories. This edition was held in partnership with the Environmental Management Commission of FMUSP. With the theme "Challenges and Solutions for a Sustainable Future," the event included lectures by invited experts.

The creators of the Verdes Marias movement brought a practical and inspiring approach. Known as "As Marias," the speakers shared simple and accessible solutions to transform everyday life in favor of sustainability. Among the suggestions presented, the use of reusable bags, the replacement of sponges with vegetable sponges, and the practice of composting and reusing food stood out.

In 2024, FFM continued its actions to support the initiatives of the Hospital das Clínicas LIMs.

HGX (former EEP)

In March 2024, the School of Continuing Education announced its new positioning: EEP is now HGX! The change represents a new era of learning, in which innovation and experiences are fundamental pillars to boost careers and promote the remarkable experiences that will shape the success of those who pass through HGX.

The X refers to experience - the main catalyst for the transformation that the brand promotes. HGX has consolidated itself in recent years as a center of excellence in teaching in the health area.



Its current portfolio includes technical courses, face-to-face refresher and improvement courses, distance learning courses, training with realistic simulation and virtual reality, tutoring, practical workshops, internships, consulting, specializations and MBA programs.

There are more than 380 courses and teaching activities. This performance was boosted in 2020, at the most critical moment of COVID-19. Aware of its social role, HCX developed free courses and training to help health professionals in dealing with the new coronavirus. More than 165 thousand students have been qualified since the beginning of the pandemic.

HCX currently has more than 80 *lato sensu* specialization courses, 60 specialization courses with scholarships and 10 multidisciplinary residency programs. In postgraduate courses alone, there have been more than 21 thousand students in the last 15 years.

In distance learning, the School's growth continues at the same pace, both in the number of qualified professionals and in the demand for more than 150 courses. In 2024, 1.5 million people accessed the institution's website and content.

In total, since 2009, more than 700,000 professionals have attended HCX courses, training and teaching activities.

Under the motto "Health is Source of Life", the Hospital das Clínicas "Ser Integral" Program was officially launched in February/2024.

This program, designed by HCX, promotes a journey of self-care and an integrated approach to the health and development of employees.

The "Ser Integral" Program contributes to human health, offering conditions for disease prevention and a culture of individual and collective well-being for the Complex's employees. This initiative, designed by a multidisciplinary team, complies with the concepts defined by the World Health Organization (WHO).

Quality information, educational activities and Integrative and Complementary Practices (PICS), such as yoga, meditation, acupuncture, auriculotherapy, reflexology, aromatherapy and chromotherapy, are available to employees. In 2024, FFM continued its actions to support HCX initiatives.

OTHER HEALTH UNITS

FFM and HCFMUSP develop other actions aimed at providing free care to SUS patients

House of AIDS

Located in the Pinheiros Health Center of the SES-SP, the **HIV/AIDS Patient Care Extension Service – House of AIDS (SEAP)** of the Infectious and Parasitic Diseases Division of the ICHC is an outpatient clinic and day hospital dedicated to teaching, research and interdisciplinary care for adult patients living with the human immunodeficiency virus. Opened in 1994, it has been jointly operated by FFM since 2004.

In 2007, this Service received the Governor Mário Covas Award from the Government of the State of São Paulo in the category “Efficiency in the Use of Public Resources and Debureaucratization”, in recognition of the management project developed with a focus on adherence to treatment for patients living with HIV/AIDS.

In the same year, it was classified as “Gold” in the evaluation of specialized HIV/AIDS services throughout the country, carried out by the STD/AIDS Department of the Ministry of Health, through the QUALIAIDS System.

SEAP is the first public health center in the state of São Paulo to focus on people with HIV. With the inauguration of its Physical Activity Laboratory in 2019, it began to incorporate sports practice in an innovative way into its comprehensive care for HIV patients to minimize the effects of diseases associated with chronic AIDS and the use of antiretroviral drugs, improving quality of life and adherence to treatment.

Through agreements signed between Hospital das Clínicas, FFM and SES-SP, in 2024, 3,840 patients were monitored at House of AIDS. Among the patients living with HIV, 71% are male.

The youngest patient is 16.3 years old and the oldest is 95.3 years old. Comprehensive care is provided by a multidisciplinary team, which includes infectious disease specialists, gynecologists and psychiatrists, nurses, psychologists, pharmacists, nutritionists, social workers, dentists, physical educators and technical and administrative support staff.



Disclosure: House of AIDS

Rapid testing for HIV, syphilis and viral hepatitis at House of AIDS

On February 14 and 15, House of AIDS carried out rapid testing for HIV, syphilis and viral hepatitis at Casa de Assis – Reference and Reception Center for Immigrants. Between June 26 and 30, SEAP participated in a mass testing campaign at the USP Health Project, in Vale do Ribeira, São Paulo.

On December 1, World HIV Day, the traditional HIV, syphilis and viral hepatitis testing campaign was held at Largo da Batata, in Pinheiros, São Paulo.

In the testing drives, HIV, syphilis and hepatitis tests are performed with a small blood sample collected by finger prick. The results are ready in 20 minutes and are delivered by doctors, psychologists and social workers, in individual tents. In the event of a positive diagnosis, the person is promptly cared for by the team and referred to begin treatment at SEAP.

During the campaigns, the population also received guidance on ways to prevent sexually transmitted infections, condoms, and information to further disseminate care.

Aiming to continue these actions, an agreement was signed in 2024 between Hospital das Clínicas, FFM, and SES-SP, which enabled 15,360 medical consultations and 33,763 appointments by the multidisciplinary team, totaling **49,123 outpatient procedures**. In addition, 29,229 prescriptions were filled at the pharmacy and 2,850 HIV tests, 2,200 syphilis tests, and 3,109 viral hepatitis B and C tests were performed.



Butantã School Health Center

The Samuel Barnsley Pessoa School Health Center (CSEB) is a teaching-care unit of FMUSP, under the responsibility of the Departments of Preventive Medicine, Pediatrics, Clinical Medicine and Speech Therapy, Physiotherapy and Occupational Therapy.

The Center focuses on teaching and research in the area of primary care for undergraduate students in the health field, medical residency and multidisciplinary programs, in addition to training technical-level professionals and others already working in services.

It is responsible for providing care in an area of 25,000 inhabitants in the Butantã region, encompassing two discontinuous centers, with heterogeneous socioeconomic, demographic, health conditions and vulnerability to illness.

In 2024, through FFM, CSEB performed **5,518 outpatient procedures.**

MANAGEMENT CONTRACTS

Icesp, IRLM and IPer, through FFM, base their management on the model of Social Health Organization and Management Contracts

In 2008, FFM was recognized as a Social Organization (a private, non-profit legal entity whose activities are directed towards education, scientific research, technological development, protection and preservation of the environment, culture and/or health, receiving this title

from the Public Administration itself and authorized to enter into Management Contracts with it to perform services that are not exclusive to the State). Icesp, IRLM and IPer base their management on the model of Social Health Organization (OSS), through FFM.



Management Contract of the Cancer Institute of the State of São Paulo – Icesp

The Cancer Institute of the State of São Paulo – Octavio Frias de Oliveira (Icesp) is one of the units of HCFMUSP, with exclusive care for patients from the public health network.

Opened in 2008, Icesp has established itself as a benchmark in oncological care in the country, providing assistance to approximately 140 thousand patients in a humanized manner, with high technical quality and developing research and teaching activities in all areas related to oncology.

In addition to the Main Unit located on Avenida Doutor Arnaldo, in São Paulo, the Institute has an Outpatient Unit in the city of Osasco, a pediatric cancer treatment unit (ITACI) and a specialized outpatient pharmacy, located on Rua da Consolação, which provides comprehensive oncological care with the supply of all high-cost medications (oral chemotherapy and hormone therapy) and nutritional supplements.

Icesp is accredited by the Ministry of Health as a “High Complexity Oncology Care Center” (CACON), meaning that the Institute has the technical

conditions, physical facilities, equipment and human resources to provide specialized, highly complex care for the definitive diagnosis and treatment of different types of cancer.

Providing excellent care is a fundamental principle at Icesp and goes beyond attending to patients within its facilities. Caring is closely tied to the concept of humanization — a comprehensive concern for the individual and for everyone connected to them, including family members and friends.

Icesp is accredited by the Joint Commission International – JCI (2014, 2017, 2021 and 2024), a seal that recognizes excellence in care and services offered to the population. In addition to this seal, the Institute’s rehabilitation service is also accredited by the Commission on Accreditation of Rehabilitation Facilities – CARF (2015 – 2017 – 2020 and 2024) and the laboratories by the Clinical Laboratory Accreditation Program – PALC (2014 - 2018 - 2020 - 2023).

The numbers reflect a significant and highly representative health care production, with around 700 thousand procedures performed annually.



SUMMARY OF ICESP ASSISTANCE IN 2024*	
Procedures Performed	Amount
Medical appointments	242,093
Multiprofessional appointments	180,375
Surgeries	8,046
Hospital Departures	18,517
Chemotherapy sessions	48,362
Radiotherapy sessions	54,551
Ambulatory Pharmacy Services	118,939
Referral emergency/urgent care	23,745
Total	694,628

* It includes services provided at Dr. Arnaldo, Osasco, ITACI Units and ambulatory pharmacy

SUMMARY OF PATIENTS UNDER TREATMENT AT ICESP IN 2024

Monthly average of patients undergoing cancer treatment (QT + RDT)	5,770
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The year 2024 was marked by several actions at Icesp with the following highlights.

In January, the Emergency Laboratory underwent evaluation by the Clinical Laboratory Accreditation Program (PALC) and once again met the requirements, receiving the reaccreditation seal for the service provided. After two years in which the evaluation process took place online, on this last visit the auditors came to the Institution and evaluated the entire service “*in loco*”.

On January 15, a radiotherapy study for the treatment of glioblastoma recurrence by the Cancer Institute, in partnership with the Radiology Institute (InRad) of Hospital das Clínicas, was awarded first place at the XXV Congress of the Brazilian Society of Radiotherapy, which took place during the IV Brazilian Oncology Week. It was also published in the International Journal of Radiation Oncology, Biology and Physics, the leading international radiotherapy journal.

In February, the Center for Studies and Convergent Technologies for Precision Oncology at USP (C2PO) was inaugurated, with the aim of providing more effective and precise forms of diagnosis and treatment for cancer patients. The inauguration ceremony took place during the American Association for Cancer Research (AACR) Meeting.

On February 7, Icesp received a visit from the Secretary of Health of the State of São Paulo, Mr. Eleuses Paiva, during the meeting of the Reference Committee in Oncology of the State of São Paulo. During the meeting, ideas and suggestions were discussed to speed up the diagnosis and treatment of cancer patients.

In March, the Icesp Rehabilitation Service received the reaccreditation seal from the Commission on Accreditation of Rehabilitation Facilities (CARF), a renowned international accreditation body known for its high levels of quality requirements. In its final evaluation report, the Institute presented a high level of compliance.

On National Colorectal Cancer Day, March 27, an information booth was held at the Paulista Subway station. Multidisciplinary teams from the Institute approached the public with explanatory pamphlets on the theme of the Navy Blue March campaign.

An action was held on Paulista Avenue to raise awareness about HPV on March 3. The goal was to disseminate quality information about HPV to the population. The initiative was carried out in conjunction with the International Papillomavirus Society (IPVS) and Fiesp. In addition to the action during the day, in the evening, an awareness message about the topic was projected on the Fiesp digital gallery on the building’s facade.

In honor of International Women’s Day, on March 15, a talk show was held with the theme “Women who inspire”, which brought together female collaborators, patients, volunteers and other guests to discuss relevant topics about the female universe and the role of women in society.

In April, the graduation ceremony for students of the Multiprofessional Residency Program in Oncology Care was held. The 2022/2024 class was composed of nurses, biomedical scientists, biologists, pharmacists, social workers, physiotherapists, nutritionists and psychologists. On April 12, the 7th edition of the Icesp Nutrition and Cancer Conference took place, an event aimed at promoting knowledge about innovations and technologies in nutrition.



Clinical Oncology residents achieved the best performance in the annual exam of the American Society of Clinical Oncology (ASCO), for the third time. The test, which had the participation of 230 programs worldwide, was taken in early February by more than 2,300 residents, of which 28 represented Icesp.

On May 6, Icesp celebrated its 16th year of existence. A celebration ceremony was held with the initiative “You are part of this story”, to recognize employees with 10 and 15 years of experience at the Institution.

In May, Icesp received the reaccreditation seal from the Joint Commission International (JCI), an international accreditation that recognizes excellence in care and services offered to the population. The Institute is already in its fourth accreditation, with seals previously obtained in 2014, 2017 and 2021.

On May 14, the event to celebrate Nursing Week took place. On the occasion, inspiring messages were shared about the importance of these professionals for the Institution and a lecture was given on “Joy at work and the psychology of changing environments”.

In June, Icesp began the first phase of the research project “Impact of a Cancer-Associated Thrombosis Treatment Program on Clinical Outcomes in Oncology Patients at Two Public Institutions in the State of São Paulo”, approved by the National Program to Support Oncology Care (PRONON).

On June 5 and 7, special activities were held in honor of World Environment Day. Among the activities were the Correct Disposal Game and a guided tour of the External Waste Shelter, located in the 3rd basement of the Institute. There was also a special edition of the Experimental Kitchen and lectures on the topic of sustainability.

On July 21, the Institute held awareness and prevention activities on the Fiesp sidewalk, on Avenida Paulista, about head and neck cancer, as part of the Green July Campaign program. Professionals were present with explanatory materials, answering questions and performing free oral exams for the population.

At the end of July, the Administrative Officer and Assistant Week took place, in celebration of the day of these professionals. On the occasion, officers and assistants were able to participate in various activities such as Interactive Cinema and a special edition of the Experimental Kitchen.

On August 8, the 15th Octavio Frias de Oliveira Award was held. The award aims to stimulate scientific research in the area of prevention and combating cancer and is divided into three categories: Outstanding Personality, Research in Oncology and Technological Innovation in Oncology.

The Osasco Outpatient Unit celebrated its 10th anniversary on August 11. The Icesp unit was created with the aim of offering quality health services in Oncology to the population of the region.

On August 13, during the 3rd edition of the Brazilian Association of Electronic and Digital Media Press (ABIME) Awards, the President of the Board of Directors of Icesp, William Nahas, PhD, received a tribute dedicated to Icesp for his significant contribution to the advancement of health in Brazil.

On September 5, the Bone Marrow Transplant Center (BMT Center) and the new wing of individualized apartments for the treatment of hematologic neoplasms were inaugurated. The inauguration ceremony was attended by the Governor of the State of São Paulo, Tarcísio de Freitas.

Itaci promoted the Golden September campaign on CPTM to raise awareness about childhood and adolescent cancer. The action took place at the Tatuapé station, on the Coral line, with the distribution of informative pamphlets and the setting up of a space for cutting and donating hair.

On September 9, Icesp received an honor from the Joint Commission International (JCI). The honor took place at the event “JCI Leadership Summit the new quality mandate: expanding the scope of patient safety” in celebration of JCI’s 25 years of activities, during the 47th World Hospital Congress of the IHF - International Hospital Federation, in Rio de Janeiro. Icesp is the only institution that fully serves the public network of the Unified Health System to receive this recognition.

In October, a new patient service channel was established via WhatsApp, aimed at scheduling, hospitalization and telemedicine services.



In early October, Icesp was honored at the 50th anniversary ceremony of the São Paulo State Academy of Sciences (ACIESP).

The honor was given for the Institute’s contribution to the advancement of science, technology, innovation and education in the State of São Paulo and in Brazil.

The Icesp Strategic Planning Workshop, 2025-2026 cycle, was held on October 30 and 31. The meeting brought together medical, health care and administrative leaders and included activities to present the results for the 2019-2024 cycle and discuss the new strategic map for the next cycle.

On October 29, Icesp held the largest edition of its patient parade with the theme “Catwalks of Life”. The 12th edition of the Patient Parade took place at the Rebouças Convention Center (CCR) and was attended by 36 patients.

On November 17, a special podcast was launched for the Blue November campaign, a month of awareness about prostate cancer and men’s health. The premiere took place on World Prostate Cancer Awareness Day, on the Institute’s YouTube channel.

On November 27, National Cancer Awareness Day, a special edition of the Turma da Mônica Jovem Magazine about the Human Papillomavirus (HPV) was launched.

The material was developed by Icesp in partnership with the Mauricio de Sousa Institute and the Center for Studies and Convergent Technologies for Precision Oncology (C2PO) at USP.

In December, a Celebration Week, “Our Achievements 2024”, was held from December 16 to 20. The event included a special edition of the Board of Directors Meeting (Condir), as well as several activities for employees, such as a photo booth, Christmas card distribution, a visit to the helipad, special editions of the experimental kitchen, the presentation of NPS certificates by the executive board, karaoke, a basket raffle and the delivery of gifts.

The 8th edition of the Icesp Run, a race and walk for health, took place on December 1st. The race started at Praça Charles Miller, in the Pacaembu Sports Complex, at 7 a.m., and was attended by approximately 3,500 people, the highest number of registrants of all the editions.



Management Contract of the Lucy Montoro Rehabilitation Institute

The Lucy Montoro Rehabilitation Institute (IRLM), located in the Morumbi neighborhood, was designed to provide more complex care for people with incapacitating physical disabilities, through comprehensive and integrated rehabilitation treatment, with technological infrastructure and personnel qualified in diagnostic and therapeutic resources.

The health care provided by IRLM is multidisciplinary and interdisciplinary, specialized in the area of Physical Medicine and Rehabilitation. It seeks to promote the treatment of limitations caused by disability with the objective of achieving the highest level of physical and functional independence of the patient, aiming at comprehensive rehabilitation and social inclusion, considering the characteristics and degree of disability presented.

The rehabilitation programs carried out cover the set of services and therapeutic interventions offered to the patient, from their admission to the hospital until their discharge, proportional to their disability, in accordance with the principle of equity, including all services and procedures necessary to obtain or complete the diagnosis and the therapies necessary to achieve the individual functional potential predicted for each patient, according to the prognosis of each injury.

Specialized Rehabilitation Services – subsidized by SUS resources – are offered in Outpatient and Inpatient modalities, for adults and children, and include: multidisciplinary screening, medical outpatient clinic (evaluations and follow-ups), rehabilitation program with defined objectives, orientation groups and review of acquired skills, team meetings, experience in adapted sports, interdisciplinary therapeutic

activities, therapeutic garden, inclusive kitchen, educational activities for patients and caregivers, outpatient dressing clinic, assistive technology clinic and neurochemical blockade clinic for children. It also promotes family meetings, home visits, and integration with community resources (school visits and support with the health network), when necessary.

To this end, it has a team made up primarily of: physiatrists; consultant doctors in the specialties of clinical medicine, infectious diseases (Hospital Infection Control Service) and urology; social workers; psychologists; physiotherapists; occupational therapists; speech therapists; nursing professionals; nutritionists; physical educators, as well as orthotics and prosthetics technicians and therapeutic workshops.

The technological park for diagnostic and therapeutic support, which helps sustain the Rehabilitation Programs provided by IRLM, includes: bone densitometry, urodynamic study, peripheral nerve electrostimulation, bladder biofeedback, shock wave therapy, low-power laser for inflammatory conditions and skin lesions, balance system, passive upper limb cycle ergometer, lower limb cycle ergometer with functional electrical stimulation, exercise bike, gym and fitness stations, robotics for upper limbs with virtual reality, exoskeleton associated with virtual reality for robotic suspended gait, game therapy, 3D digitizer, equipment for simulating hippotherapy and electrical bioimpedance.

The IRLM, as an integral part of FMUSP-HC System, relies on its support to complement its activities and ensure greater efficiency and safety in its processes.



Among the available resources, we can mention the Hospital das Clínicas support for urgent and emergency cases involving patients assisted by the Institute, as well as the sharing of structures such as technical committees (death committee, bioethics committee, hospital infection committee, etc.) that support the instructions and regulations for decision-making on related matters.

Still on the subject of participation in the FMUSP-HC System, special mention should be made of the Institute of Physical Medicine and Rehabilitation of the Hospital das Clínicas da USP (IMRea), with which technical-assistance and technical-administrative structures and knowledge are shared.

Examples include the patient’s electronic medical record, the hospital management system, the portfolio of care protocols, standard operating procedures, among others.

In order to ensure continuity of care for patients, the Institute relies on support from IMREA in the specialties of cardiology, neurology, bioengineering laboratory, gait laboratory, wheelchair technology center, diagnostic support exams, among others. For inpatient rehabilitation programs, IRLM is a reference in the State of São Paulo, sharing with Hospital das Clínicas IMRea the position of the only health establishments in the State to offer this model of care.

Patients with acquired brain injuries (traumatic and vascular), spinal cord injuries and other paralyses were treated. In the outpatient clinic, rehabilitation programs are primarily focused on the childhood macroprocess (up to 6 years and 11 months), including physical disabilities resulting from cerebral palsy, myelomeningocele, obstetric paralysis and congenital malformations of limbs.

The IRLM’s health care production in 2024 was as follows:

LUCY MONTORO REHABILITATION INSTITUTE ASSISTANCE PRODUCTION - 2024	
Description	Amount
Hospital Departures	634
Ambulatory Care - Medical Specialties	6,061
Ambulatory Care - Non-Medical Specialties	21,400
Dispensation of Orthoses, Prostheses and Means of Locomotion	(*) 4,574
Total	28,095

(*) Quantity is merely informative and not considered in the Assistance Total

The IRLM also provides ongoing support for the training of health professionals in the area of rehabilitation and carries out activities to contribute to the support and development of teaching and research in the area of Rehabilitation.

It promotes the operation of the Lucy Montoro Rehabilitation Network (RRLM), offering technical and administrative support, in addition to sharing structures and systems that assist in the organization and coordination of the Network.

This support is mainly provided by the Communications Advisory, Central Ombudsman, Information Technology, Quality Management and Humanization of Care, Orthopedic Manufacturing Workshop, Teaching, Research and Professional Qualification Programs that cover, among other actions, training, monitoring and development of specialized activities, whenever necessary, to guarantee the modeling of care, work routines and technical improvements, ensuring the sustainability of the RRLM Program.



Patient actions and reports of good practices

In January, the Physiotherapy service organized a musical performance by a patient from the Children's Outpatient Clinic who was in the process of being discharged as a way of thanking the entire team that had looked after him. The proposal came from the patient, who chose a song to sing, accompanied by his physiotherapist on the guitar.

Also in January, the patients in the hospital participated in a therapeutic activity called "Lucy's Journal", with the theme "White January", led by the psychology service, encouraging discussions and reflections on mental health, attention and care for emotions, nutrition and mental health, leisure as a way to relieve stress, among others.

In February, with the theme of Carnival, the physiotherapy team led a multidisciplinary activity for the children of the children's outpatient clinic to make masks, capes, musical instruments, necklaces and face painting.

At the end, there was a parade where everyone could showcase their creations. These activities not only provided fun, but also allowed the children to put into practice the therapeutic objectives worked on in the rehabilitation program. The inpatients also participated in a special carnival activity, which was the "Masquerade Ball". The masks were made by the patients themselves at a group workstation.

A competition was also organized where each patient could parade with their mask, creating an environment of great relaxation, integration and humanization.

In March, the Nutrition team held a group food therapy for the patients of the Children's Outpatient Clinic. Using the Easter theme, the proposal focused on exploring textures to minimize food refusals and increase adherence to appropriate eating plans. The activity also helped strengthen bonds between family and therapists.

The inpatients also participated in a special activity in the inclusive kitchen with the theme "Healthy Easter Egg" made from banana biomass. The patients and their companions participated in preparing the food, and were surprised by the delicious and high nutritional value result.

In April, the nursing team carried out the group therapeutic activity "Taking Care of My Health: "Handwashing and Oral Hygiene", focusing on the prevention of respiratory infections, which increase in the fall and impact children's well-being and the frequency of therapy sessions.

The initiative aimed to guide hygiene practices in a fun and safe way, promote sensorimotor stimulation, adjust appropriate positions during the execution of these practices and strengthen family bonds, integrating health as a daily care. For hospitalized patients, the nursing team promoted an awareness campaign against dengue in April. In a fun and creative way, collective and individual prevention strategies were addressed, identification of warning signs and suspicion of the disease, in addition to guidance on the appropriate use of medications in treatment.

In May, the Social Service organized the "Parents and Guardians Activity". The initiative's main objective was to share information and experiences among parents and caregivers of children in rehabilitation about the experiences and challenges faced in the daily lives of patients and their caregivers. The activity raised awareness among participants about the importance of active participation in the rehabilitation process and addressed the theme of Ableism. This moment promoted awareness and the search for strategies that expand inclusion and full social participation.

That same month, Occupational Therapy invited art technicians from IMREA Lapa who promoted music and painting workshops for patients hospitalized at IRLM.

Art was applied to the development of sensorimotor, perceptive, cognitive and symbolic potentialities, in addition to its contribution to increasing self-esteem and emotional well-being. The collaborative activity resulted in three beautiful paintings that were framed and displayed at IRLM.

Also in May, the psychology team led the Peer Counseling Group, aimed at hospitalized patients diagnosed with spinal cord injury. The activity was attended by two former IRLM patients, who completed the rehabilitation process and are now fully reintegrated into society and the job market.

During the meeting, groups formed for debates, sharing experiences and mutual strengthening, promoting the exchange of experiences and emotional support among participants.



Also in May, IRLM was audited by CARF - Commission on Accreditation of Rehabilitation Facilities.

CARF is considered the most important international certification body in Rehabilitation, recognized worldwide for its high standards. During the visit, inpatients and outpatients participated in interviews directly with international evaluators, contributing to a detailed analysis of the services.

In recognition of the excellence in care provided and the exemplary protocols adopted, the institution was once again accredited for a maximum period of three years, reaffirming its international prominence regarding the quality of the processes developed in its rehabilitation programs.

In the first week of June, the team celebrated Environment Week. A group activity was held with patients from the children's outpatient clinic in the outdoor area of the 3rd floor, focusing on planting seeds. The proposal included reusing milk cartons, which were transformed into small pots. After planting, patients decorated their pots and took them home, encouraging sustainable practices and the possibility of cultivating a home garden, promoting environmental awareness and sustainability in everyday life.

Also in June, the Occupational Therapy Service promoted a therapeutic activity themed around the June Festival at the Children's Outpatient Clinic, involving the entire care team. The program included play sessions designed to stimulate children's motor, sensory and perceptual-cognitive skills with bingo stations, big mouth toss game, fishing and the traditional square dance, providing integration, fun and therapeutic development in a playful environment.

In July, patients and their guardians participated in an educational activity focused on the safety of using toys in the outdoor area of the Children's Outpatient Clinic. The activity took place in the adapted playground, where children were able to learn about and try out the toys. The instructions were transmitted in a practical way, preparing patients for safe use at the IRLM and in the community. A QR Code that directed to explanatory videos about each toy was also presented, facilitating access to information.

Also in July, patients in the hospital participated in a June festival together with their caregivers. The objective was to provide a leisure and therapeutic experience in a typical Brazilian festival.

In August, the first Family Day was held at the Children's Outpatient Clinic with the theme "Family: My Favorite Word".

This therapeutic activity aimed to promote the humanization of the hospital environment, increase the bond between family and therapists and promote health education actions such as shared play between children with and without disabilities. It was possible to observe great interaction between families.

In September, children treated at the children's outpatient clinic participated in a special therapeutic activity in celebration of the National Day of Struggle for People with Disabilities, celebrated on September 21st. The program included experiences in adapted sports, inspired by the context of the Paris 2024 Paralympic Games.

The event was attended by a representative of the Brazilian Paralympic Committee (CPB) who, in addition to interacting with the children, presented information about the Paralympic modalities and provided guidance on ways to access the CPB, promoting inclusion and encouraging the practice of sports.

In October, patients from the children's outpatient clinic and the inpatient clinic participated in special activities to celebrate Oral Health Awareness Day, celebrated on March 20. The program included a lecture given by a dentist from the network, highlighting the importance of oral health and its impact on overall health. The care teams also participated in the event, offering practical guidance to reinforce learning and encourage healthy habits.

In the same month, hospitalized patients took part in a cancer awareness campaign focused on breast and prostate cancer. Organized by the nursing team, the activity included an interactive quiz, an educational lecture and the distribution of informative pamphlets, focusing on prevention, early diagnosis and the importance of health care.

In November, two Discussion Groups on Literature were held, one aimed at inpatients and the other aimed at parents and guardians of children from the children's outpatient clinic. These meetings created a welcoming space to reflect on the role of literature in times of adversity, whether as a reader or writer, promoting meaningful connections with the realities faced by the participants. The activity worked as a therapeutic resource, offering a safe environment for exchange, listening and dialogue.

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The starting point was the book “Feliz Ano Velho”, by writer, playwright and journalist Marcelo Rubens Paiva. Excerpts from the work were read, followed by an enriching chat, mediated by a writer and a journalist volunteers linked to PROAC Literature 2023.

In November, the Social Service team also promoted a discussion group for inpatients, addressing the topic of ableism. The initiative encouraged reflections on inclusion, respect and equality in different social contexts.

On November 20, the Occupational Therapy team organized two Experience Stations for inpatients: one dedicated to the Expressive Arts, with a focus on music, and the other on Accessibility. The initiative aimed to provide experiences that favor and contribute to the therapeutic and rehabilitation process in a dynamic and engaging way. The activity had the special participation of a music professional from the Network.

In early December, the Social Service held the second educational activity of the year aimed at parents and guardians of patients undergoing rehabilitation treatment.

The meeting addressed the topic of ableism, with the aim of transmitting relevant information, promoting the exchange of experiences between participants and the multidisciplinary team, and creating a space to discuss the experiences and challenges faced by families and their children. Finally, the traditional Christmas Workshop was held from December 16 to 18.

The Occupational Therapy service worked with children from the children's outpatient clinic to make “snow globes” and a Christmas mug cake, aiming to provide sensory and motor stimulation, in addition to encouraging participation in activities together with their guardian/caregiver.



Management Contract – Perdizes Institute

Built on the same site where the Cotoxó Auxiliary Hospital operated for over 40 years, the HCFMUSP Perdizes Institute occupies a constructed area of 24,000 m². The first block is a Center for the treatment of diseases related to alcohol and drug use, with an Outpatient Clinic, Day Hospital and Inpatient Unit; the second, a Care Transition and Palliative Care Unit, offering medical and multidisciplinary assistance to non-critical acute patients, medical education for undergraduate and graduate students and research development.

In addition to contributing to the fulfillment of the institutional mission of the Hospital das Clínicas of FMUSP, linked to Teaching, Research, Assistance and Innovation in health at the tertiary/quaternary level, offering beds for Transition of Care and Palliative Care, it is also part of the Psychosocial Assistance Network (RAPS), dedicating structures and professionals specialized in the treatment of people with substance use disorders (alcohol and other drugs), based on protocols and guidelines issued by the Department of Psychiatry of FMUSP.

The Perdizes Institute is a symbol of responsible, participatory and transparent management, based on social responsibility and good governance practices, historically developed between FMUSP, HCFMUSP and FFM.

Inaugurated on November 8, 2022, with the presence of the state governor, the mayor of São Paulo, the state and municipal health secretaries and authorities of the FMUSP-HC System, the Institute has undergone an intense implementation period over the last two years.

Managed by the Medical School Foundation (FFM) through a management contract, in 2024 it reaches the milestone of 200 beds in operation, ensuring compliance with the goals agreed upon with HCFMUSP, consolidating itself as the 5th largest unit

of the FMUSP-HC Complex in terms of number of beds.

The activation of the Institute's beds was gradual, ensuring safety and good quality of care, with its activation cycle completed in May. The Day Hospital Service began in January and the outpatient service underwent adjustments with the aim of improving the patient experience in the service.

Throughout the year, work was intense in pursuit of Integration with the Health Care Network. The Perdizes Institute has played a crucial role by making its infrastructure available to receive patients who can be treated in a less complex environment, contributing to greater efficiency in the care flow and to the fulfillment of the strategic objectives of the HCFMUSP. Interlocution with the health network is a priority, especially in the context of care for users of psychoactive substances.

With regard to alcohol and drug treatment, the Institute offers excellent care for addictions, addressing both traditional and emerging substances.

With an interdisciplinary approach, the unit trains professionals to develop effective interventions, ensuring comprehensive support for patients and their families. Care transition is a fundamental pillar of the Institute's work, ensuring continuous monitoring of patients (adults and children) at all stages of treatment.

This approach aims to provide safety and support, promoting continuity of care, especially for those in vulnerable situations.



In addition, the Institute prioritizes palliative care, offering physical, emotional and social support for individuals with various pathologies. This practice is integrated into the care, improving the quality of life of patients and training professionals who are sensitive to the needs of those facing critical situations.

With over 650 employees, the following is the distribution of professionals by group: 39.2% are nursing technicians, 17.1% are nurses, 15.2% are doctors, 11.6% are multidisciplinary, 13.7% are administrative and 3.3% are professionals in support areas.

The following are data on the health care production of the units:

At the Alcohol and Drug Treatment Clinic, approximately 1,900 patients were treated, with over 16,000 consultations, including over 9,000 medical consultations and 7,000 individual and group consultations by the multidisciplinary team, composed of nurses, psychologists, social workers, speech therapists, occupational therapists, physiotherapists, physical educators and nutritionists.

At the Day Hospital for Alcohol and Drug Treatment, there were over 1,600 consultations.

ASSISTANCE PRODUCTION OF THE PERDIZES INSTITUTE – HOSPITAL ADMISSIONS - 2024				
Unit	Hospital Departures	Occupancy Rate	Avg. Length of Stay	Mortality Rate
Palliative Care	459	67.2%	12.9 dias	71.6%
Alcohol and Drugs	694	87.1%	23.9 dias	0.0%
Transition of Care	1,039	71.9%	13.8 dias	0.8%
Total	2,192			

OTHER ASSISTANCE INITIATIVES



FFM develops other assistance activities together with HCFMUSP

Actions of the Emergency Care Center for Reconstructive Microsurgery and Hand Surgery of the IOT of HCFMUSP (CEMIM)

The creation of the CEMIM of the IOT of HCFMUSP was due to the large increase in the number of patients with highly complex traumas. Motorcycle accidents, urban violence and chaotic traffic contributed to this situation.

Since the 1980s, numerous publications have demonstrated scientific evidence of the importance of treatment in the acute phase of trauma. Appropriate primary treatment promotes better results, reduces the complication rate, the incidence of infection, the length of hospitalization and the cost of health care, in addition to reducing mortality and amputation rates related to the trauma.

Aiming to continue these actions, which began in 2014, in 2023, an agreement was signed between HCFMUSP, FFM and SES-SP, which was not renewed for 2025.

From January to June 2024, the period in which the agreement remained active, 710 surgeries and 1,345 outpatient appointments were performed, totaling **2,055 procedures**.

Icesp Rehabilitation Center

IMRea, the beneficiary of a donation resulting from a public civil action filed by the Labor Prosecutor's Office against a company, made it possible to set up the facilities of the Icesp Rehabilitation Center, which was inaugurated on September 22, 2008.

The Icesp Rehabilitation Service focuses on serving people with temporary or permanent disabilities, aiming to optimize their functional potential in the physical, psychological and social participation areas.

Rehabilitation focuses on stimulating functional potential and independence, but also seeks to help patients adapt to their limitations in order to live as fully and independently as possible. To this end, it has physiatrists, physiotherapists, speech therapists, neuropsychologists, occupational therapists, as well as rehabilitation nurses and physical educators.

The Rehabilitation Center became the first in the oncology sector in Latin America to obtain accreditation from the Commission on Accreditation of Rehabilitation Facilities (CARF), an entity known worldwide for establishing rigorous standards for accrediting this type of outpatient service.

In 2010, it was recognized by the National Accreditation Organization (ONA), the following year by ONA level II and, in 2014, by the Joint Commission International (JCI), methodologies that establish specific requirements and accredit the quality and safety of health services. In 2020, it was reaccredited by the Commission on Accreditation of Rehabilitation Facilities (CARF), the most renowned international accreditation body in rehabilitation, recognized worldwide for its high levels of quality requirements. It had already been accredited in 2015 and 2017.

In March, the Icesp Rehabilitation Service received the CARF reaccreditation seal. In its final evaluation report, the Institute presented a high level of compliance. The permanent, continuous and participatory evaluation processes that contribute to quality and safety are also part of Icesp's humanization policy, aimed at welcoming patients and their companions.

These activities continued in 2024.



Implementation of the first external unit under InRad management

Through a contract signed with the Sírío-Libanês Social Responsibility Institute, at the end of 2024, this project will develop, through InRad's technical staff, a service provision model for specialized labor in performing imaging diagnostics, graphic and neurophysiological methods, and treatments for patients at the Rota dos Bandeirantes Regional Hospital health unit, located in Barueri.

In addition to imaging exams (X-rays, mammography, ultrasound, magnetic resonance imaging, bone densitometry, computed tomography, etc.), the proposal includes full or segmented management in the imaging diagnostics sector, including the supply, training, and management of qualified labor, with a staff rigorously selected and sized to work in hospital and outpatient services, performing the various activities related to comprehensive care in the diagnostics segment.

Implementation of the State Network of High-Cost Medication Dispensing Centers – CEDMAC

The Coordinating Center of the State Network for High-Cost Medication Dispensing - CEDMAC is a partnership between SES-SP and Hospital das Clínicas for the dispensing of immunobiological medications in Rheumatology.

Throughout 2024, the Rheumatology Division of ICHC, together with FFM, carried out the entire care process for patients using immunobiological therapy, from assessment, treatment indication and monitoring of medication administration to monitoring pharmacovigilance, pharmacoeconomics and efficacy functions.

Services related to the administration of zoledronic acid, dispensing of immunobiologicals and other infusion medications from Hospital das Clínicas and non-face-to-face assessments of requests from outpatients were also carried out, within the scope of administrative requests for non-standardized medication.

In 2024, the number of appointments exceeded the targets set by the Ministry of Health, despite periods of medication shortages. CEDMAC was the first public service in Brazil to achieve International Accreditation in this category, enabling access to international standards of excellence and innovation.

Aiming to continue these actions, which began in 2009, an agreement was signed in 2023 between Hospital das Clínicas and FFM and SES-SP. The agreement was not renewed for 2025.

From January to August 2024, the period in which the agreement remained active, **11,344 appointments** were carried out jointly by FFM and Hospital das Clínicas, through the Rheumatology Division.

Emílio Ribas Institute

The Emilio Ribas Institute of Infectious Diseases (IIER) is one of the oldest public institutions in Brazil still in operation today. It is a hospital specialized in the treatment of infectious diseases with 100% service focused on SUS users.

Currently undergoing restructuring and modernization, its complexity is tertiary level, where it is possible to perform consultations, laboratory and imaging tests, surgical procedures and hospitalizations in a single location.

In 2014, an agreement was signed between SES-SP, FFM and Hospital das Clínicas, aiming at the execution of the IIER Management, Actions and Services Operationalization Project, which was concluded in the same year. In 2016, 2017 and 2020, new agreements were signed with SES-SP, aiming at the execution, by the ICHC Central Laboratory, of laboratory services.

In 2021, 2022, 2023 and 2024, Amendments to the 2020 agreement were signed, ensuring the continuity of these laboratory services, which totaled 326,867 exams from January to November 2024. The agreement was not renewed for 2025.

NGA Várzea do Carmo

Through agreements signed with SES-SP, FFM and Hospital das Clínicas, the Clinical Gastroenterology Service of Hospital das Clínicas is responsible for the care of the Endoscopy and Hepatology Service of the Care Management Center (NGA) Várzea do Carmo, a specialized outpatient clinic of SES-SP that operates in downtown São Paulo.

The service filled a gap in the care of secondary patients by the SUS, resolving the majority of cases and referring the most complex cases for specialized treatment at Hospital das Clínicas.

The Várzea do Carmo outpatient clinic is a reference for 39 cities in Greater São Paulo. Cases are referred from primary care services, such as AMAs, UBSs and emergency hospitals.



Aiming to continue these actions, which began in 2010, an Amendment to the Agreement 015/2018 and a new agreement were signed between SES-SP and Hospital das Clínicas and FFM in 2023. In 2024, an Amendment to the 2023 Agreement was signed.

In 2024, FFM and Hospital das Clínicas, in a joint action, performed **13,376 appointments**, including **7,439 exams and 5,937 consultations**.

Student Financial Support Program – Afinal

To help overcome the lack of financial resources, which hinders the performance of students with great academic potential, FMUSP has been offering the Afinal Grant since 2007, with funds obtained through donations from individuals and legal entities, intended exclusively to assist low-income students.

The Afinal Grant is part of FMUSP Strengthen a Student Project, a scholarship fund to increase the aid program, with funds from FMUSP Board of Directors, the Hospital das Clínicas Superintendence, FFM and the FZ, in addition to some donations from individuals.

To receive the benefit, the student goes through a rigorous selection process, with presentation of documents that prove the family's socioeconomic situation and, through points, is placed on a list in decreasing order of need.

There has been a significant increase in students requesting financial support due to difficulties related to the pandemic. FMUSP, through FFM, provides emergency aid scholarships to assist students who have undergone an assessment based on socioeconomic criteria and have proven to be vulnerable.

Until 2020, the available resources made it possible to benefit 112 students. In 2023, 129 scholarships were granted. In 2024, **121 scholarships** were granted.

Adult and Pediatric Kidney Transplant Project

With the aim of providing assistance, by the Urology Division of Hospital das Clínicas, to 375 patients with Chronic Kidney Disease from Hospital Samaritano, who require medium and high complexity care, an Amendment to the Agreement between Hospital das Clínicas, FFM and SES-SP was signed in 2021.

In addition to providing health care, this project includes training professionals from other services to meet the needs of these patients.

In 2024, there will be continuity in the activities of patient transfers and monitoring; selection process for hiring professionals and training the contracted team; contracting of services to enable the training of professionals from the SUS network; and dissemination and implementation of the training course.

At an event held in June, Hospital das Clínicas acknowledged the support of the UMANE Association to the Institution, whose partnership made it possible to adapt, renovate and modernize 30 surgical rooms at ICHC, which are part of the Institution's Adult and Pediatric Kidney Transplant Project. The 30 surgical rooms are located on the 9th floor of PAMB.

The need for renovation and modernization was defined based on a decision by the Ministry of Health to choose Hospital das Clínicas to receive and continue the treatment of 375 patients with Chronic Kidney Disease, from the Proadi-SUS Project at Hospital Samaritano.

Hospital das Clínicas was chosen because it specializes in highly complex cases, providing access to high-quality treatment, with experience and combined with the pillars of Health Care, Education, Research and Innovation.

After a technical study that took into account the needs of each of the 375 patients, it was determined that the physical space of the ICHC (Surgical Center, Pediatric ICU and Hemodialysis sectors) needed to be adapted, in addition to renewing the technological park.

During the period, 1,545 outpatient appointments and 771 hospital stays were performed, totaling **2,316 procedures**.



Protocol for the Treatment of Patients with Cleft Lip and Palate

The Craniofacial Surgery Protocol for the Treatment of Patients with Cleft Lip and Palate, developed by the ICHC Plastic Surgery and Burn Division, was made possible through donations from Smile Train, through FFM. Initiated in 2008, it benefits patients with cleft lip and palate who require reconstruction of defects in the lip, nose, alveolus and palate, and their repercussions on speech and facial growth.

In 2024, 31 patients were treated in **34 surgical procedures**, distributed between primary cheiloplasties and palatoplasties and other secondary procedures.

In addition to the surgeries, outpatient care was provided, with around 17 patients per week, totaling around **827 patients treated per year**.

In 2024, a total of **861 procedures** (surgical and outpatient) were performed.

Air transportation of the organ harvesting team for liver and digestive system organ transplants

In order to benefit Hospital das Clínicas patients on the waiting list for digestive system organ transplants, private air transportation services are used by teams from the Hospital das Clínicas Liver and Digestive System Organ Transplant Division when removing organs for transplants located outside the capital of São Paulo.

The goals of this initiative, developed in a joint action by FFM and Hospital das Clínicas, are to increase the number of harvests and transplants and reduce the average waiting time for the organ, ensuring the quality of the cold ischemia conditions recommended for transport.

In 2022, an agreement was signed between SES-SP, Hospital das Clínicas and FFM, still in force in 2024, which made it possible to carry out two air transports of two livers in 2024, from Marília, in the state of São Paulo, and from Campina Grande, in Paraíba.

The reduced demand is justified by the availability of commercial flights and/or the availability of team charter by the FAB (Brazilian Air Force).

COVID-19 RESPONSE PROJECTS





Since 2020, several initiatives have been developed to understand the SARS-CoV-2 virus, which causes COVID-19, and its effects and impacts on human health

Verbal autopsy in the diagnosis of COVID-19

Institution: FMUSP – Department of Pathology

Type of contract: Agreement signed between Vital Strategies, Inc. and FFM

Objective: The project seeks to develop strategies and changes in the verbal autopsy questionnaire for the diagnosis of COVID-19.

Evaluation of the Effectiveness, Safety, and Immunogenicity of Booster Doses of SARS-CoV-2 Vaccines in Patients with Autoimmune Rheumatic Diseases, Compared with Controls without a History of Autoimmunity

Institution: HCFMUSP – ICHC – Division of Rheumatology

Type of contract: Cooperation agreement signed between the Todos pela Saúde Institute, HCFMUSP, and FFM

Objective: Evaluating, in patients with autoimmune rheumatic diseases, the risk of infection/hospitalization/death from COVID-19 after booster doses and the factors that affect the vaccine response; the distribution of SARS-CoV-2 variants among vaccinated infected individuals; the type and frequency of post-vaccination adverse events; and strategies to improve the vaccine response in non-responsive patients, such as temporary discontinuation of immunosuppressive drugs and use of booster doses. This project was completed in 2024.

Evaluation of the Effectiveness of the Combination of Olfactory Training and Laser Therapy in the Olfactory Recovery of People with Sequelae of COVID-19

Institution: HCFMUSP – IMRea

Type of contract: Technical-Scientific Cooperation Agreement signed between Natura Cosméticos S.A., HCFMUSP and FFM

Objective: Investigar os efeitos da terapia por fotobiomodulação, antes e após a irradiação, com diferentes doses do laser de baixa intensidade, associada à estimulação olfativa.

Evaluation of Cellular Immunity in Samples from the Phase II Clinical Study of the

ButanVac Vaccine Formulation / (Double-blind, Randomized Phase II/III Clinical Trial with Active Vaccine Control to Evaluate the Safety, Immunogenicity and Batch Consistency of the Booster Dose of the COVID-19 Vaccine [recombinant, inactivated] in Adults in Brazil)

Institution: FMUSP – Department of Infectious and Parasitic Diseases

Type of contract: Contract signed between The Butantan Foundation, FMUSP and FFM

Objective: Evaluating and comparing the safety of the booster dose of the experimental vaccine NDV-HXP-S and the COVID-19 vaccine Comirnaty® Wyeth (or Pfizer/BioNTech) for individuals who received four doses of any COVID-19 vaccine, regardless of their history of SARS-CoV-2 infection.

Evaluation of the Cellular and Humoral Immune Response ex vivo and in vivo of a DNA Vaccine Containing Multiple Epitopes for T Cell Epitopes Against SARS-CoV-2 in BALB/c Mice

Institution: FMUSP – Discipline of Clinical Immunology and Allergy of the Department of Internal Medicine

Type of contract: Agreement signed between Diomics Corporation and FFM

Objective: Establishing a diagnostic test for COVID-19, through the detection of delayed cutaneous hypersensitivity against synthetic peptides, encoding SARS-CoV-2 T cell epitopes.

Assessment of the Impact of Exposure to the COVID-19 Pandemic on the Development and School Readiness of Brazilian Children: the Brain Games Cohort

Institution: FMUSP – Department of Pediatrics

Type of contract: Agreement signed between Harvard Graduate School of Education and FFM

Objective: Assessing, using the Strengths and Difficulties Questionnaire and the IDELA instrument, in the context of the pandemic, the mental health and school readiness of children aged five to seven who live in the Butantã region, São Paulo, and participated in the Brain Games study.

Evaluating the Evolutionary Behavior of Hemostasis in SARS-CoV-2 Infection and the Impact of Anticoagulation and Antiplatelet Therapeutic Interventions on the Clinical Outcomes of Infected Patients

Institution: HCFMUSP – ICHC – Division of Hematology and Hemotherapy - Hematology, Hemotherapy and Cell Therapy Service

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Contributing to the understanding of the pathophysiological response of SARS-CoV-2 infection, to support the development of new drugs or strategies to prevent unfavorable clinical evolution in infected patients, identifying biomarkers to detect patients at greater risk of developing severe respiratory failure and/or thrombotic events, and identifying drugs available in the SUS with potential clinical benefit in the fight against COVID-19. This project was completed in 2024.

Post-infectious Painful Complications due to Coronavirus – COVID-19

Institution: HCFMUSP – ICHC – Division of Clinical Neurology

Type of contract: Own resources from donations

Objective: Assessing the presence of sequelae and chronic pain in patients recovered from COVID-19.

Active Pharmacovigilance Study of Adverse Events Following Vaccination with the COVID-19 Adsorbed Vaccine (Inactivated) – Sinovac / Butantan Institute

Institution: FMUSP – Department of Clinical Medicine

Type of contract: Contract signed between the Butantan Institute, CSE Butantã and FFM

Objective: The research will analyze the safety of the Sinovac adsorbed vaccine and possible adverse events.

Study to Assess the Evolution of SARS-CoV-2 Lineages and Establish Sequencing Laboratories to Support City Halls in Capital Cities

Institution: FMUSP – IMT

Type of contract: Donation contract signed between Magazine Luiza S.A. and FFM

Objective: Training of epidemiological surveillance laboratories in different regions of the country, which can help obtain more genomic data in order to assess the most prevalent viral profiles and the most frequent mutations and compare results with other centers worldwide, allowing a better description of genomic plurality and assessing how this impacts the dynamics of the COVID-19 epidemic in Brazil. This project was completed in 2024.

Interferon Lambda for Immediate Antiviral Therapy at Diagnosis (ILIAD): A Phase II Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to Evaluate the Effect of Peginterferon Lambda in the Treatment of COVID-19

Institution: ICHC – Division of Infectious and Parasitic Diseases

Type of contract: University Health Network, HCFMUSP and FFM

Objective: Evaluating the safety and tolerability of immediate treatment with Peginterferon Lambda 180 mcg on days 0 to 5 of hospitalization in hospitalized patients with moderate COVID-19 and comparing clinical outcomes with the control group. This project was completed in 2024.

Investigation of Neutralizing Antibodies in SARS-CoV-2 Infection

Institution: HCFMUSP – ICHC – Division of Infectious and Parasitic Diseases

Type of contract: Agreement signed between Regeneron Pharmaceuticals, Inc., USP and FFM

Objective: Identifying neutralizing antibodies against SARS-CoV-2 in patients diagnosed with COVID-19 or who received vaccine formulations against SARS-CoV-2. This project was completed in 2024.



Level of Acceptance of the COVID-19 Vaccine, Assessment of Vaccine Effectiveness and Circulation of SARS-CoV-2 Variants among Professionals Working at HCFMUSP and the General Hospital of Roraima

Institution: HCFMUSP – ICHC – Division of Hematology and Hemotherapy - Hematology, Hemotherapy and Cell Therapy Service

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Contributing to the understanding of the pathophysiological response of SARS-CoV-2 infection, to support the development of new drugs or strategies to prevent unfavorable clinical evolution in infected patients, identifying biomarkers to detect patients at greater risk of developing severe respiratory failure and/or thrombotic events, and identifying drugs available in the SUS with potential clinical benefit in the fight against COVID-19. This project was completed in 2024.

Post-COVID: Multidisciplinary Assessment: Late Assessment of Physical, Psychological and Cognitive Effects in a Cohort of Patients Surviving Hospitalization for COVID-19 in a Tertiary University Hospital: A Multidisciplinary Approach

Institution: FMUSP – Department of Cardiopneumology

Type of contract: Donation Agreement signed between an individual and FFM

Objective: Assessing the medium/long-term organic, physical, psychological and cognitive repercussions in patients with moderate and severe COVID-19, who survived hospitalization at HCFMUSP, through a multidisciplinary and interdisciplinary outpatient and laboratory approach, and developing protocols for therapeutic interventions to treat or mitigate these late manifestations.

Research Projects Related to the Corona Virus Family, Sars, Cov and COVID-19, Selected in the “Call for Proposal Submission No. 01/2020 – COVID-19 Research FMUSP-HC System”

In order to raise funds to support HCFMUSP, citizens, doctors and researchers launched, in 2020, the #HCCOMVIDA campaign, which included the Viralcure portal.

Through FFM, part of these financial resources were used to subsidize 16 research projects related to the Corona, Sars, Cov and COVID-19 virus families, selected in the “Call for Proposal Submission No. 01/2020 – Research on COVID-19 FMUSP-HC System”, whose objective was to support projects by researchers linked to the FMUSP-HC Academic Health System that contributed to the knowledge of the SARS-CoV-2 virus, COVID-19, its effects and impacts on human health and society.

Of the 16 selected, the following projects continued to be implemented in 2024:

- Adipose tissue contribution to the cytokine storm of COVID-19 patients;
- Minimally invasive autopsy in COVID-19: agreement between post-mortem computed tomography and histopathological analysis of the lungs;
- Brain magnetic resonance imaging assessment of fatal COVID-19 in minimally invasive autopsy;
- Characterization of the inflammatory response in patients with severe acute respiratory syndrome due to COVID-19;
- Randomized and paired clinical trial comparing regional anticoagulation modalities in continuous venovenous hemodialysis in patients with COVID-19;
- Impact of the prone position maneuver in patients with COVID-19 and Severe Acute Respiratory Distress Syndrome: a multicenter cohort study;
- Investigation of neutralizing antibodies in SARS-CoV-2 infection;
- Prognostic plasma markers of severity for COVID-19;
- Pathogenesis of COVID-19: an autopsy-based approach;
- Viral and myocardial inflammatory profile in SARS-CoV-2 infection (VIPHeart-SARSCoV2)

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Post-COVID-19 Syndrome - Cohorts of COVID-19 Vaccinated Patients and Cohorts of COVID-19 Survivors (Unvaccinated)

Institution: HCFMUSP – InCor – Division of Pulmonology

Type of contract: Cooperation agreement signed between the Todos pela Saúde Institute, HCFMUSP and FFM

Objective: Assessing the medium/long-term physical, psychological and cognitive repercussions in patients with moderate and severe COVID-19; identifying the incidence and associated risk factors of late onset; and developing therapeutic intervention protocols to treat these late manifestations. This project was completed in 2024.

INNOVATION PROJECTS





Technological Innovation Projects developed by InovaHC and other initiatives focused on digital health and Artificial Intelligence leave a potential legacy in the innovation hub of the FMUSP-HC System

AIR Project – A Co-Pilot Tool for Quantitative Assessment of Lung Diseases

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Amendment to the Technical and Scientific Cooperation Agreement signed between Philips Medical Systems Ltda., HCFMUSP and FFM

Objective: Artificial Intelligence (AI) has the potential to revolutionize the radiology workflow and alleviate the workload of radiologists. The AIR project aims to co-develop an AI-based assistant, leveraging computed tomography data, to identify interstitial lung disease (ILD).

Cushion 4.0: Intelligent Reactive Seating System with Clinical Monitoring for Wheelchairs

Institution: HCFMUSP – IMRea

Type of contract: Agreement signed between Finep, HCFMUSP, Dilepé Ortopedia Técnica Ltda. and FFM

Objective: Developing the Cushion 4.0, an intelligent system for clinical monitoring that captures user variables and provides automatic adjustments to the wheelchair seat, preventing complications from long periods of sitting in the same position, such as lower back pain and pressure injuries.

Application of OPEN RAN Architecture Aimed at 5G Applications in the Context of Digital Health

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Agreement signed between ABDI, HCFMUSP and FFM

Objective: Implementing and evaluating 5G technology using the Open RAN architecture concept in real cases in the health care area. Open RAN (Open Radio Access Networks) is a movement that seeks to democratize parts of the telecommunications network and, thus, not depend on large equipment manufacturers. This project was completed in 2024.

AMPLO-FLU: Development of Broad Spectrum Monoclonal Antibodies for Influenza A as a Prophylactic and Therapeutic Approach

Institution: HCFMUSP – LIM 60

Type of contract: Agreement signed between Finep, HCFMUSP, Butantan Institute and FFM

Objective: The identification of broad spectrum neutralizing monoclonal antibodies (bNmAbs) against strains of influenza A virus, aiming at the production of a cocktail of bNmAbs, to be used in preclinical and clinical trials, as a potential prophylactic and therapeutic approach.

If successful in these trials, this approach will provide unprecedented support for prevention and treatment strategies for influenza A infections, especially for groups of individuals who cannot directly benefit from the protection provided by existing vaccine formulations.

Artificial Intelligence-assisted Neuropathological Assessment of Sporadic Alzheimer’s Cases

Institution: FMUSP – Discipline of Geriatrics of the Department of Clinical Medicine

Type of contract: Cooperation Agreement signed between Universitätsklinikum Hamburg-Eppendorf – UKE, FMUSP and FFM

Objective: Developing and validating a new algorithm developed by artificial intelligence for the detection of neuropathological lesions associated with Alzheimer’s disease.

National Center for Research and Innovation in Mental Health (CISM)

Institution: HCFMUSP – IPq

Type of contract: Donation Agreement signed between Banco Industrial do Brasil S.A., HCFMUSP and FFM

Objective: It is estimated that approximately 75% of mental health problems in adults begin before the age of 18 and approximately 50% begin by the age of 15, revealing the chronic nature of these conditions in our society.

The Center for Research and Innovation in Mental Health (CISM) seeks to reduce the burden of mental health problems in Brazil by addressing three main gaps in the field. The first involves the need to advance research in Precision Neuroscience in mental health. The second is the importance of increasing the relevance of research as a driver for the emergence of new ideas in Digital Mental Health, innovation and entrepreneurship. The third is the urgency of improving the implementation of science in mental health and the transfer of technology to society.

Conectar Saúde (Connecting Health) – Development of Technological Solutions Related to the Use of Communication, Collaboration, Cybersecurity and Internet of Things Technologies for Applications to Minimize Human Exposure to Contamination in Hospital Operations and Remote Assistance for Patients Being Treated at Home

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Technical-Scientific Cooperation Agreement signed between CISCO Comércio e Serviços de Hardware e Software do Brasil Ltda., HCFMUSP and FFM

Objective: Implementation of a pilot project of the Conectar Saúde Platform, formed by three fronts that apply Revolution 4.0 technologies to combat COVID-19. These fronts offer support to operations in the ICU, Ward and Remote Assistance for patients being treated at home.

Spine X-ray Data Cooperation with Scoliosis Diagnosis

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Amendment to the Technical-Scientific Cooperation Agreement signed between AIGORA GMBH, HCFMUSP and FFM

Objective: Sharing 1,600 reproductions of fully anonymized spine X-ray images, aiming at the development of AI algorithms. This project was completed in 2024.

In.Pulse Challenge Powered By CISCO

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Amendment to the Technical-Scientific Cooperation Agreement signed between CISCO Comércio e Serviços de Hardware e Software do Brasil Ltda., HCFMUSP and FFM

Objective: In.Pulse is an open innovation program from InovaHC, which aims to accelerate startups with technological maturity of the TRL 5-7 index, through thematic challenges.

In this model, calls are made based on problems of the HCFMUSP hospital complex for entrepreneurs to offer innovative technologies and solutions. In addition, work is done on technological and business model development, offering the opportunity to carry out pilot projects at the institution. This project was completed in 2024.

Developing a Federated Learning-Based Platform MVP so that Partners can Integrate their Models with HC in a Safe and Quick Way to Validate their AI Algorithms without Having Direct Access to Hospital Data

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Contract signed between Siemens Health Care Diagnósticos Ltda., HCFMUSP and FFM

Objective: Through this project, it will be possible to develop an integrative platform between health data and AI applications for analyzing this data, generating local models and without the need to share data between participants. Once the local models are generated, their parameters will be aggregated, ensuring data privacy. This project was completed in 2024.



Development of Software Based on Mobile Devices to Identify Depression, Anxiety and Stress during Pregnancy: The Expectant Mother Digital Project

Institution: HCFMUSP – IPq

Type of contract: Technical-Scientific Cooperation Agreement signed between DM Health Care Tecnologia em Saúde Ltda., HCFMUSP and FFM

Objective: Developing an Information System (application), to be installed on a mobile phone accessory (smartphone), based on analysis of voice biomarkers, facial expression analysis, cell phone usage pattern and metadata, to identify depression, anxiety disorder and pathological stress in pregnant patients.

Development of a Medical Imaging Software for Analysis of Cerebral Blood Perfusion and Permeability from Magnetic Resonance Imaging (MRI) without the Use of Intravenous Gadolinium Contrast

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Amendment to the Technical and Scientific Cooperation Agreement signed between Philips Medical Systems Ltda., HCFMUSP and FFM

Objective: Developing a software for processing ASL (Arterial Spin Labeling) MRI images in order to extract information about the functionality of the blood-brain barrier in the brain, without the need for the application of an intravenous contrast agent.

Strengthening the In.Cube innovation program for the development of innovative health care solutions

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Amendment to the Technical-Scientific Cooperation Agreement signed between Central Nacional Unimed – Cooperativa Central, HCFMUSP and FFM

Objective: Strengthening the In.Cube innovation program and improving indicators related to the continuity of projects in licensing, entrepreneurship or technological development outcomes after the program, with the support of funding agencies, such as the São Paulo Research Foundation (Fapesp).

The InovaHC In.cube program is an entrepreneurial training program that focuses on instructing researchers and collaborators from HCFMUSP and FMUSP in the development of projects for innovative health care products, services, processes and businesses.

Open Innovation for the Health Sector in the Fight against COVID-19

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Agreement signed between IDB, HCFMUSP and FFM

Objective: Prospecting and testing of innovative solutions and Research, Development and Innovation (R&DI) projects to combat and mitigate the consequences of the crisis caused by COVID-19. This project was completed in 2024.

InspirAr – Digital Monitoring to Aid in the Treatment of Asthma Patients

Institution: FMUSP – FOFITO

Type of contract: Contract signed between Astrazeneca do Brasil Ltda., FMUSP and FFM

Objective: Developing a functional and scalable application that brings together strategies to assist patients with Asthma, aiming to allow them to monitor their symptoms, medication use, control their physical activity and learn about Asthma, with the support of qualified professionals.

AI-Assisted Microendoscopy for Early Detection of Esophageal Cancer

Institution: Icesp

Type of contract: Subaward Agreement signed between Baylor University and FFM, with a grant from the NIH

Objective: The researchers will use optical magnification equipment with embedded artificial intelligence software to interpret endoscopic images. Patients at risk of developing esophageal cancer who would undergo routine examinations will be recruited. The aim is to verify the specificity and sensitivity of the artificial intelligence software in detecting malignant and premalignant lesions.

Advanced Planning and Guidance for Emergent Embolizations

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Research Agreement signed between GE Health Care do Brasil, HCFMUSP and FFM

Objective: Performing clinical validation of the planning and guidance software in the field of prostatic artery embolization for the treatment of benign prostatic hyperplasia and cancer, and in other emerging embolizations, Embo ASSIST, which was developed by GE Health Care do Brasil in partnership with HCFMUSP.

Digital Pathology Platform for Research and Diagnosis of Alzheimer's Disease and Related Disorders

Institution: FMUSP – Discipline of Geriatrics of the Department of Clinical Medicine

Type of contract: Subaward Agreement signed between the University of Kentucky Research Foundation and FFM, with a grant from the NIH

Objective: Investigating associations between African ancestry and Alzheimer's disease neuropathology, using deep learning in a federated open-source platform focused on digital neuropathology for research, diagnosis and teaching of DAD/DAR using whole-slide imaging and artificial intelligence.

Digital Health Innovation Program

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Agreement signed between SES-SP, HCFMUSP and FFM

Objective: Carrying out proof of concept for four Telehealth initiatives – TeleUTI, TeleAPS, TeleSAP and AME-Digital – with the purpose of serving as observational research instruments on a smaller scale at the three levels of health care for the collection of data and information. The analyses of the model initiatives will allow the evaluation of the hypotheses of the research project, which treats Digital Health solutions as more efficient and having higher quality processes for public health services in the State of São Paulo.

Prototyping and Development of 16 Innovative Health Care Solutions Selected by the In.Cube Program

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Amendment to the Technical-Scientific Cooperation Agreement signed between Central Nacional Unimed-Cooperativa Central, HCFMUSP and FFM

Objective: Promoting the prototyping and development of 16 innovative health care solutions, selected by the 4th Edition of the In.Cube Program, providing support so that these projects have a greater probability of achieving successful outcomes.

RADVID-19 - Development and Implementation of an Intelligent Platform with Algorithms Capable of Identifying Coronavirus Markers in X-ray and Computed Tomography Images

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Donation Agreement signed between Petrobras - Petróleo Brasileiro S.A. and FFM

Objective: Combating the pandemic caused by the new coronavirus (SARS-CoV-2) with the use of Artificial Intelligence in the analysis of radiological exams, making this diagnosis more accurate, and the formation of a database of positive cases to support studies and research related to COVID-19.

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Use of Artificial Intelligence and Mobile Application to Estimate Vaccination Protection Coverage

Institution: USP – Innovation Center

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Developing an application that will use artificial intelligence to digitize the population's Vaccination Cards, informing the health agent which vaccines a person still needs to receive and sending the collected information to the Government database (SI-PNI). This project was completed in 2024.

Use of Immersive Virtual Reality for Cognitive Rehabilitation of Patients with Severe Traumatic Brain Injury

Institution: ICHC – Division of Neurosurgery

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Developing and adapting a cognitive training tool, using immersive virtual reality in young adults diagnosed with Severe Traumatic Brain Injury. The project aims to assist in the treatment of the disease and allow for a greater understanding of the benefits that this technology can bring to this population.

RESEARCH PROJECTS





In addition to playing an important role in clinical research, the projects are essential in the training of human resources and contribute to the generation of financial resources, which make investments in the area viable

The Effectiveness of On-Demand Pre-Exposure Prophylaxis in a Cohort of Cisgender Men Who Have Sex with Men, Transgender Women and Transvestites

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Letter of Agreement signed between PAHO and FFM

Objective: Evaluating the effectiveness of on-demand PrEP, taking as reference the rates of: incidence of HIV infection, permanence and adherence to the regimen, and the occurrence of adverse events that lead to the interruption of the use of prophylaxis. This project was completed in 2024.

Integrated Approach to the Diagnosis of Rare Genetic Diseases: From Multiomics to Prevention

Institution: HCFMUSP – ICR

Type of contract: Agreement signed between Finep, HCFMUSP and FFM

Objective: Early diagnosis of pediatric rare diseases (RD) is essential for appropriate treatments, genetic counseling and prevention of new cases.

One of the main objectives of this project is to invest in integrated multiomic analyses (complete genome, methylome, transcriptome) to identify new genes and molecular mechanisms in RD. Another objective is to validate the genomic estimation model of the prevalence of recessive RD in the Brazilian population in a case series with more than 5,000 exomes already performed. Finally, the objective is to implement actions aimed at preventing RD in systems applicable to the SUS, through the selection of embryos by pre-implantation diagnosis.

Neuropathological Findings in Elderly Patients with Delirium: A Postmortem Study

Institution: FMUSP – Discipline of Geriatrics of the Department of Clinical Medicine

Type of contract: Subaward Agreement signed between the Hebrew Rehabilitation Center and FFM, with a NIH grant

Objective: Delirium is a highly prevalent neuropsychiatric syndrome, affecting a significant number of hospitalized elderly individuals, particularly those with a history of cognitive impairment. Understanding the neuropathological changes associated with Delirium is essential to improve the understanding of this syndrome and its mechanisms.

This project aims to clarify the complex interaction between Delirium and preexisting neuropathological characteristics, as well as the role of cognitive reserve in this phenomenon.

AIDS and Cancer Specimen Resources

Institution: FMUSP – Department of Infectious and Parasitic Diseases

Type of contract: Subaward Agreement signed between The George Washington University, FMUSP and FFM, with a grant from the NIH

Objective: Analyzing and comparing tumor tissues, regarding the presence and profile of intratumoral infiltrative immune response, in HIV-infected and non-HIV-infected individuals who died.

Amazonian Center of Excellence in Malaria Research

Institution: USP – ICB

Type of contract: Agreement signed between the Yale University and FFM, with a grant from the NIH

Objective: Determining the diversity of vectors in this region and evaluating the impact of different economic activities on the population structure of these vectors.

Cytogenetic and Histopathological Analysis of Neoplasms in People Living with HIV/AIDS

Institution: ICHC - Division of Infectious and Parasitic Diseases

Type of contract: Agreement signed between The University of California in San Diego and FFM

Objective: Recording the natural history of neoplasms in people living with HIV and performing an exploratory evaluation of potential biomarkers present in tumor tissue that may have prognostic value.

Regional Citrate Anticoagulation in an Extracorporeal CO2 Removal Device Combined with Continuous Renal Replacement Therapy to Facilitate Lung Protection in a Porcine Model of Severe Acute Respiratory Distress Syndrome (ARDS)

Institution: HCFMUSP – LIM 09

Type of contract: Agreement signed between Baxter Health Care Corporation, USP and FFM

Objective: Evaluating, in a porcine model of severe ARDS, the feasibility and safety of regional anticoagulation and acidification with ACD-A in ECCO2R combined with continuous renal replacement therapy, as well as evaluating the effect of ECCO2R during long-term mechanical ventilation (20 hours) in ensuring adherence to protective ventilation.

Direct Oral Anticoagulants for the Treatment of Cerebral Venous Thrombosis

Institution: HCFMUSP – ICHC – Division of Clinical Neurology

Type of contract: Contract signed between AMC Medical Research BV, HCFMUSP and FFM

Objective: Validating the efficacy and safety data of the first randomized trial on direct oral anticoagulants in cerebral venous thrombosis in a real-world setting (clinical practice). This project was completed in 2024.

Application of Meditation Practice in Neuropsychiatry: From Neurobiology to Adjuvant Treatment in Epilepsy and Psychogenic Non-Epileptic Seizures (PNES)

Institution: HCFMUSP – IPq

Type of contract: Donation Agreement signed between the Mahle Institute and FFM

Objective: Evaluating the effectiveness of applying breathing and meditation techniques from Raja Yoga as a treatment for patients with epilepsy and patients with PNES, within a follow-up period of three months after the start of treatment.

ARBOBIOS: Traditional Study for Identification, Characterization and Validation of Diagnostic Tests and Markers of Severity in Arboviruses

Institution: FMUSP – Department of Infectious and Parasitic Diseases

Type of contract: Contract signed between bioMérieux S.A, bioMérieux Brasil, FMUSP and FFM

Objective: Identifying and validating prognostic biomarkers for Dengue, Chikungunya and Zika diseases, which allow early stratification of the risk of developing the evolutionary forms of the diseases that represent the greatest morbidity and mortality: severe dengue, chronic inflammatory joint disease post-Chikungunya and congenital ZIKV syndrome with neurological impairment, respectively.

Arboviruses in the Context of Chronic Immunoactivation by the Human Immunodeficiency Virus (HIV)

Institution: FMUSP – Department of Infectious and Parasitic Diseases

Type of contract: Own resources

Objective: Resuming recruitment of participants, generating more data for complementary analyses on demographic, clinical, virological and immunometabolic factors related to severity and death among individuals with Dengue, Yellow Fever, Zika and Chikungunya.

Association of Systemic Atherosclerosis with Neurodegenerative and Cerebrovascular Disease: A Clinical-Pathological Study

Institution: FMUSP – Discipline of Geriatrics of the Department of Clinical Medicine

Type of contract: Application signed between the Alzheimer's Association and FFM

Objective: Investigating the association between atherosclerosis in coronary, carotid and cerebral arteries with neurodegenerative diseases and vascular dementia, defined by clinical and neuropathological criteria. This project was completed in 2024.

Research Activities Focusing on Infectious Diseases Affecting Public Health and Vulnerable Populations Mainly in the Amazon Region, Including Arboviruses

Institution: FMUSP – IMT

Type of contract: Agreement signed between Fondation Mérieux and FFM

Objective: Developing research programs and activities focusing on infectious diseases that affect public health and vulnerable populations, mainly in the Amazon region. This project ended in 2024.

Clinical Evaluation of the Antidepressant Effect of Probiotics in Bipolar Disorder and Possible Mediating Effects of Systemic and Intestinal Inflammatory Markers of the Microbiota

Institution: HCFMUSP – IPq

Type of contract: Agreement signed between the Milken Institute and FFM

Objective: Evaluating the effect of probiotic supplementation on improving depressive symptoms in patients with bipolar disorder, as well as monitoring levels of intestinal and serum inflammation biomarkers. This project was completed in 2024.

Evaluation of Muscle Ultrasound (US) Performance and the Impact of Muscle Quality in the Diagnosis of Sarcopenia in Patients with Rheumatoid Arthritis (RA)

Institution: FMUSP – Discipline of Rheumatology of the Department of Clinical Medicine

Type of contract: Donation from the Research Support Fund of the Brazilian Society of Rheumatology to FFM

Objective: Evaluating the US in the quantitative measurement of muscle mass and determining the impact of the qualitative muscle parameter provided by the US in the refinement of the diagnosis of sarcopenia and its musculoskeletal outcomes (muscle strength and functional capacity) in patients with RA.

Evaluation of Retinal Examination using Optina Diagnostics' Hyperspectral Mydriatic Retinal Camera (MHRC) to Detect Probable Cerebral Amyloid Condition Determined by PET Imaging

Institution: HCFMUSP – InRad

Type of contract: Contract signed between Optina Diagnostics, Inc. and FFM

Objective: Identifying features in hyperspectral retinal images that correlate with amyloid PET images suggestive of Alzheimer's disease.

Assessment of the Impact of Spironolactone Use on the Integrity of the XPB-1 Subunit of the TFIIH Complex in vivo

Institution: FMUSP - Department of Infectious and Parasitic Diseases

Type of contract: Own resources

Objective: This is a proof-of-concept study that may, for the first time, demonstrate *in vivo* the biological effect already identified in *in vitro* studies of inhibition of a TFIIH enzymatic complex, involved in the transcription of HIV genes, by Spironolactone.

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Assessment of the Inflammasome Pathway Profile in Patients with Sickle Cell Anemia in Different Treatment Regimens

Institution: HCFMUSP – ICHC – Division of Hematology and Hemotherapy - Hematology, Hemotherapy and Cell Therapy Service

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Describing the response pattern of monocytes in patients with Sickle Cell Anemia, with different treatment regimens, with emphasis on immunophenotyping, and comparing it with healthy donors and between treatment groups.

Assessment of Donor-Derived Cell-Free DNA Levels and Biopsy Results “On-Indication” in Kidney Transplant Recipients

Institution: HCFMUSP – ICHC – Division of Urology Clinic

Type of contract: Agreement signed between Natera, Inc. and FFM

Objective: Evaluating the role of the presence of donor-derived cell-free DNA (dd-cfDNA) as a predictor of kidney injury.

Quantitative Assessment of Intracranial Pressure Curves Obtained by a Non-Invasive Method in Patients with Traumatic Brain Injury

Institution: HCFMUSP – ICHC – Division of Clinical Neurology

Type of contract: Contract signed between Braincare Desenvolvimento e Inovação Tecnológica S.A, HCFMUSP and FFM

Objective: Assessing intracranial pressure and compliance with a new non-invasive measurement method in patients suffering from traumatic brain injury of all severity levels. This project was completed in 2024.

Extended Rheumatological Evaluation in Patients with Interstitial Lung Disease with Autoimmune Aspects (PIAA)

Institution: FMUSP – Discipline of Rheumatology of the Department of Clinical Medicine

Type of contract: Donation from the Research Support Fund of the Brazilian Society of Rheumatology to FFM

Objective: Evaluating the presence of subclinical ultrasound joint changes in patients with PIAA, in addition to identifying whether the findings can reclassify the clinical condition.

Temporal Assessment of Pulmonary Fibrosis in an Experimental Model of Systemic Sclerosis (SSc) Induced with Collagen Type V (Col V)

Institution: FMUSP – Discipline of Rheumatology of the Department of Clinical Medicine

Type of contract: Donation from the Research Support Fund of the Brazilian Society of Rheumatology to FFM

Objective: Considering the importance of therapeutic management in patients with SSc, especially with the development of new antifibrotics, the research aims to establish the evolution of pulmonary fibrosis in the SSc model, induced by immunization with Col V, to evaluate new therapeutic approaches and clarify the formation of pulmonary fibrosis in SSc.

Assessing the Prevalence Trend of Serological Markers for Infectious Diseases that Require Blood Transfusion among Blood Donors in Three National Blood Centers: Fundação Pró-Sangue/Hemocentro de SP, Hemocentro de MG (HEMOMINAS) and Hemocentro de PE (HEMOPE)

Institution: FMUSP – Department of Infectious and Parasitic Diseases

Type of contract: Agreement signed between Vitalant Research Institute, FMUSP and FFM

Objective: Continuing some studies that were part of REDS III, such as the follow-up of the cohort of patients with sickle cell anemia and the blood donor database in the participating blood centers, as well as continuing the surveillance of epidemics related to arboviruses and new infectious agents, in addition to extending the scope of the database in two sites, which will now include information on blood bags and blood recipients.

BASE – Games for Socioemotional Learning: An Early Intervention Program in Early Childhood Education

Institution: FMUSP – Department of Pediatrics

Type of contract: Agreement signed between the Harvard Graduate School of Education and FFM

Objective: Verifying whether BAS, a kit of 13 games for use in early childhood education, is effective in increasing socioemotional skills in children aged 3 to 5 years attending early childhood education units. This project was completed in 2024.

BERTHA: Interstitial Lung Disease Associated with Rheumatoid Arthritis: Characterization of the Progression of Lung Disease

Institution: HCFMUSP – ICHC – Division of Rheumatology

Type of contract: Term of Agreement signed between Syrian Charitable Association – Heart Hospital, HCFMUSP and FFM

Objective: Characterizing the progression of interstitial lung disease (ILD) associated with rheumatoid arthritis (RA) and identifying a biomarker signature that, associated with clinical variables, is capable of identifying patients at risk of progressing to ILD. This project was completed in 2024.

Biomarkers and Cellular Mechanisms of the Effect of Mesenchymal Stem Cells in the Cerebrospinal Fluid of ALS Patients Responsive to Treatment

Institution: HCFMUSP – Division of Clinical Neurology

Type of contract: Agreement signed between Finep, HCFMUSP and FFM

Objective: Amyotrophic Lateral Sclerosis (ALS) is a rapidly progressive degenerative motor neuron disease that affects adults, leading to progressive generalized paralysis, loss of speech, swallowing, breathing and death. The possible positive effects of Mesenchymal Stem Cells (MSC) on Nervous System Disorders are beginning to be investigated.

The study will identify mechanisms and molecular targets related to clinical responses in ALS subjects who received intrathecal infusion of autologous mesenchymal stem cells, using state-of-the-art omics combined with multiplatform systems biology and functional validation in *in vitro* systems of motor neurons transformed from induced pluripotent stem cells of ALS patients.

Biomarker-Based Test of Cure for Chagas Disease

Institution: FMUSP – Department of Pathology

Type of contract: Subaward Agreement signed between Kephera Diagnostics and FFM, with a grant from the NIH

Objective: Developing and validating an ELISA and lateral flow assay to detect serological decline in response to drug treatment for Chagas disease as biomarkers of the disease.

Brazil-UK Network on Health Ageing

Institution: FMUSP – Discipline of Geriatrics of the Department of Clinical Medicine

Type of contract: Collaboration Agreement signed between the University of Newcastle Upon Tyne, USP and FFM

Objective: Initiating a collaboration between researchers from FMUSP and the Newcastle University to study inequalities that may affect healthy aging.

Economic Burden of Severe Respiratory Syncytial Virus Disease in Infants and Children in Latin America, Argentina, Brazil and Colombia

Institution: HCFMUSP – ICr

Type of contract: Letter of Agreement signed between Fundación Infant, Buenos Aires, and FFM

Objective: Estimating the direct (medical and non-medical) and indirect costs associated with acute respiratory syncytial virus (RSV) disease in hospitals and nursing homes in Argentina, Brazil and Colombia and comparing them with those not resulting from RSV.

Centres for Antimicrobial Optimisation Network – Brazil (CAMO-Net Brazil)

Institution: FMUSP – Department of Infectious and Parasitic Diseases

Type of contract: Memorandum of Understanding signed between Wellcome Trust, FMUSP and FFM

Objective: Antimicrobial resistance is a growing threat to public health and a cause for great concern for several sectors and countries. Antimicrobial use optimization programs have proven to be effective in hospitals. The study will examine local behavioral and cultural contexts of antimicrobial prescribing, with the aim of improving practice and identifying facilitators and barriers to optimizing antimicrobial use in complex and urban settings.

National Center for Inborn Errors of Immunity and Immunodysregulation

Institution: HCFMUSP – ICr

Type of contract: Agreement signed between Finep, HCFMUSP and FFM

Objective: Implementation of the first national reference center for the investigation, diagnosis and therapeutic innovation in inborn errors of immunity and diseases resulting from immunodysregulation, particularly autoimmune and inflammatory diseases, or rheumatic diseases.

São Paulo-Minas Gerais Center (SaMiTrop) for the Treatment of Chagas Disease

Institution: FMUSP – IMT

Type of contract: Award Agreement signed between the NIH and FFM

Objective: Identifying methodologies and tools that allow for an increase in the number of patients diagnosed with Chagas disease, so that treatment can be offered and strategies and biomarkers, which allow for improved patient monitoring and assist in the evaluation of new candidates for treatment, can be identified.

NutriNet-Brazil Cohort – Diet and Chronic Noncommunicable Diseases (NCDs)

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Agreement signed between Fellows of Harvard College, FMUSP and FFM

Objective: Studying the influence of diet quality on morbidity and mortality due to NCDs in Brazil, including obesity, diabetes, high blood pressure, dyslipidemia, myocardial infarction, stroke, and breast, prostate and colon cancer.

Development of Tools for Noninvasive Monitoring of Wild Animal Health: Next Generation Monitoring at a Landscape Scale

Institution: USP – ICB

Type of contract: Agreement signed between Revive & Restore Genetic Rescue of Endangered and Extinct Species and FFM

Objective: Validation of a method for collecting saliva samples from animals kept in controlled environments for deep sequencing purposes to discover and monitor pathogens of interest to Public Health.



Development of a Comprehensive Instrument for Identifying Individuals at High Risk for Hereditary Cancer

Institution: Icesp

Type of contract: Commitment Agreement signed between the Ministry of Health and FFM, within the scope of PRONON

Objective: Developing a simplified and comprehensive scoring system for identifying individuals at high risk for hereditary cancer who may benefit from risk reduction measures.

Unraveling Causal Factors Related to Tau Protein Neurotoxicity in Alzheimer’s Disease

Institution: FMUSP – Discipline of Geriatrics of the Department of Clinical Medicine

Type of contract: Collaboration Letter issued by the Grinberg Laboratory – University of California, San Francisco

Objective: This study is based on the premise that the degree of selective neuronal vulnerability to lesions with tau protein accumulation depends on protective or sensitizing factors, expressed differently in different neurons.

Detection of Iron and Protein Aggregation by Magnetic Resonance Imaging (MRI) for Assessment of Alzheimer’s Disease Pathology and its Progression: Voxel by Voxel Histological Validation

Institution: HCFMUSP – InRad

Type of contract: Subaward Agreement signed between The Regents of the University of California – Berkeley and FFM, with a grant from the NIH

Objective: Validating by histology the MRI method for detecting iron and protein accumulation, with the aim of evaluating the neuropathological progression associated with Alzheimer’s disease for future clinical use.

Early Detection and Assessment of Neuroinflammation and Damage Associated with HTLV-1

Institution: FMUSP – IMT

Type of contract: Agreement signed between the Imperial College of Science, Technology and Medicine, FMUSP and FFM

Objective: Identifying plasma markers that can detect early neuroinflammation and neuronal damage in people living with human T-lymphotropic virus type 1 (HTLV-1), thus allowing the identification of people who could benefit from early treatment to inhibit or delay the progression of the disease.

Determining the Impact of Provision of Smartphones for Assistive Technology Users in Brazil

Institution: HCFMUSP – IMRea

Type of contract: Agreement signed between the Global Disability Innovation Hub C.I.C. and FFM

Objective: Assessing the impact of provision of smartphones on assistive technology users with hearing or visual impairments. Participants will undergo training to acquire digital skills that will help them better understand the accessibility features available on their smartphones and help them practice using these features in different situations.

Diagnosis of Delirium and Dementia in Hospitalized Elderly Patients

Institution: FMUSP – Discipline of Geriatrics of the Department of Clinical Medicine

Type of contract: Application signed between the Alzheimer’s Association and FFM

Objective: Developing effective methods for the diagnosis of Delirium and dementia in hospitalized elderly patients, conditions that are often underdiagnosed and neglected, but have a major impact on the quality of life and clinical outcomes of this population.

Diagnosis and Monitoring of Alzheimer's Disease Using *Locus Ceruleus* Volumetry

Institution: HCFMUSP – InRad

Type of contract: Collaboration Letter issued by the Grinberg Laboratory – University of California, San Francisco

Objective: Developing an algorithm based on magnetic resonance imaging, histologically validated to evaluate volumetric changes in the *locus ceruleus*, which capture the neuropathological progression associated with Alzheimer's disease for clinical use.

Effects of Administration of the Anti-FGFR4 Antibody in the Cardiac Tissue of Uremic Rats

Institution: FMUSP – Discipline of Nephrology of the Department of Clinical Medicine

Type of contract: Agreement signed between the Lead Discovery Center GmbH, FMUSP and FFM

Objective: Evaluating the impact of chronic kidney disease in rats undergoing nephrectomy and treated with an antibody developed to reduce myocardial hypertrophy.

ELEA – Longitudinal Study of HIV and Aging in Brazil

Institution: FMUSP – Department of Infectious and Parasitic Diseases

Type of contract: Subaward Agreement signed between the Vanderbilt University Medical Center and FFM, with a grant from the NIH

Objective: Evaluating the impact of endemic co-infections on the onset of chronic non-communicable diseases and geriatric syndromes. In addition, the study will measure and determine clinical and laboratory factors predictive of the occurrence of these comorbidities.

In search of determining targets in the regeneration of brain tissue after traumatic brain injury

Institution: HCFMUSP – LIM 15

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Identification and characterization of molecular targets applicable to the treatment of traumatic brain injury, using genetic engineering techniques in cellular models. In the long term, the selection of predictors of brain tissue recovery will allow monitoring of the evolution of these patients.

Randomized double-blind clinical trial with active controls to evaluate the safety, immunogenicity and consistency of the immune response by batches of the tetravalent influenza vaccine (inactivated and fragmented) from the Butantan Institute

Institution: HCFMUSP – ICHC - Division of Infectious and Parasitic Diseases

Type of contract: Contract signed between the Butantan Institute, HCFMUSP and FFM

Objective: Evaluating whether the quadrivalent vaccine produced by the Butantan Institute is not inferior in immunogenicity and is as safe as the trivalent vaccines from the same producer.

Phase III Clinical Trial to Evaluate the Efficacy and Safety of the Dengue 1, 2, 3, 4 (Attenuated) Vaccine from the Butantan Institute

Institution: HCFMUSP – ICHC - Division of Infectious and Parasitic Diseases

Type of contract: Technical-Scientific Cooperation Agreement signed between the Butantan Foundation, HCFMUSP and FFM

Objective: There is currently no licensed vaccine for the prevention of dengue with protection against the four dengue serotypes. The research will evaluate the efficacy and safety of the Dengue 1, 2, 3, 4 (attenuated) Vaccine produced by the Butantan Institute.

Randomized, Double-Blind, Placebo-Controlled Clinical Trial of the Safety and Efficacy of Tecovirimat in the Treatment of Monkeypox Virus Disease in Humans - STOMP

Institution: FMUSP – Department of Infectious and Parasitic Diseases

Type of contract: Agreement signed between The Regents of the University of California, San Francisco and FFM, with a grant from the NIH

Objective: Evaluating the use of tecovirimat for the treatment of monkeypox virus disease (HMPXV) and to include a cohort of individuals with severe HMPXV as defined by the protocol.

Global Scale of Infant Development – GSED: Study on the Definition of Norms and Standards and Individual Assessment

Institution: FMUSP – CEDI

Type of contract: Contract signed between the Maria Cecília Souto Vidigal Foundation and FFM

Objective: Developing a D-score distribution (development) using the GSED instruments, standardized by age, to determine how children under 36 months, with minimal restrictions for adequate development, may develop. In addition, it aims to evaluate the GSED measures regarding their diagnostic accuracy in i) individually identifying children with neurodevelopmental impairment (NDI) present at the time of testing (between 3 and 36 months) and in ii) individually predicting children under 36 months at risk of developing NDI in the future at ages between 35 and 60 months.

Global Scale of Infant Development – GSED 2024

Institution: FMUSP – CEDI

Type of contract: Agreement signed between the World Health Organization - WHO and FFM

Objective: Continuing the implementation of field tests to validate GSED instruments in Brazil, including: i. Carrying out the validation phase of the GSED study according to the agreed protocol; ii. Ensuring data entry and cleaning; iii. Providing datasets on the platform and within the agreed deadline; and iv. Contributing to the writing and dissemination of the study results.

Establishment of a Reference Genome of the Brazilian Population – Brazilian Reference Genome Project

Institution: USP – Biosciences Institute

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: The research proposes genomic sequencing and the creation of a clinical and genomic database of the Brazilian population, using cohort studies financed by the Ministry of Health. This will allow for better diagnosis/prevention of diseases with genetic components in Brazilians, and the design of public health policies based on our genetics.

Establishment of a Production Platform for Genetically Reprogrammed Immune Cells to Combat Oncohematological Diseases

Institution: HCFMUSP – ICHC – Division of Hematology and Hemotherapy - Hematology, Hemotherapy and Cell Therapy Service

Type of contract: Commitment Agreement signed between the Ministry of Health and FFM, within the scope of PRONON

Objective: Establishment of a multiple platform for the production of reprogrammed immune cells with anti-CD19 and anti-CD99 CARs, starting from peripheral blood cells and/or cryopreserved SCUP, with the intention of applying them in the future as Cell Therapy products against onco-hematological diseases.

Home-Based Transcranial Direct Current Stimulation Associated with Behavioral Therapy via Smartphone App in the Treatment of Major Depressive Disorder: A Randomized, Double-Blind, Placebo-Controlled Clinical Trial

Institution: HCFMUSP – IPq

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: The use of an app-based therapy may introduce therapeutic alternatives for depression that do not use medication, in addition to increasing patient engagement and autonomy in relation to treatment, increasing their adherence and reducing the stigma related to the disease. This project was completed in 2024.

Veterinary Clinical Study Using the ZIKA Virus as Oncolytic Therapy Against Spontaneous Canine CNS Tumors

Institution: USP – Biosciences Institute – CEGH – CEL

Type of contract: Own resources

Objective: Evaluating the safety and efficacy of Zika as an oncolytic agent in canine patients with intracranial tumors inoculated with the virus, advancing the understanding of a possible new therapeutic form for dogs and humans with tumors of the Central Nervous System.

Phase 2 Study to Evaluate the Activity of Agnostic Therapy in Participants with Advanced and/or Metastatic Refractory Rare Solid Tumors

Institution: Icesp

Type of contract: Agreement signed between Finep, HCFMUSP and FFM

Objective: Despite the high collective occurrence of rare cancers, there is a lack of basic scientific research, clinical trials and approval of new therapies. Due to the low incidence, when we consider each type of tumor individually, there is no interest from the industry in conducting clinical trials in this population.

A promising strategy to improve this scenario is the development of targeted agnostic therapies, which are indicated according to the presence of tumor biomarkers. The objective of this project is to evaluate new targeted treatment options for patients with rare advanced or metastatic refractory tumors with high PD-L1 expression.

Study of Dengue Incidence in Brazil, in Cities of High and Medium Endemicity Goiânia – GO and Araraquara – SP

Institution: FMUSP – IMT

Type of contract: Contract signed between Sanofi Aventis Farmacêutica Ltda., HCFMUSP and FFM

Objective: Outlining and implementing epidemiological studies that support the evaluation of future vaccination strategies against dengue.

Study of the Functional Treatment of Disabling Pain Resulting from Knee Osteoarthritis in a Program of the Unified Health System

Institution: HCFMUSP – IMRea

Type of contract: Commitment Agreement signed between the Ministry of Health and FFM, within the scope of PRONAS

Objective: Performing a systematic evaluation of peripheral and central sensitization and randomizing interventions to improve pain and functional control of patients with intense pain and severe osteoarthritis.

Epidemiological, Molecular and Translational Study in Head and Neck Squamous Cell Carcinoma: Applications in Diagnosis and Treatment

Institution: Icesp

Type of contract: Commitment Agreement signed between the Ministry of Health and FFM, within the scope of PRONON

Objective: Investigating various aspects of head and neck squamous cell carcinoma, focusing on non-smokers and non-alcoholics as well as young people, in the search for improvements in prevention strategies (primary and secondary), diagnosis and treatment, based on the integration of epidemiological and molecular data.

Transnational Interdisciplinary Study on Misophonia

Institution: HCFMUSP – ICHC – Division of Otorhinolaryngology

Type of contract: Subaward Agreement signed between The Board of Trustees of the University of Illinois and FFM, with a grant from The REAM Foundation

Objective: Comparing, in three different countries (USA, Brazil, and South Korea), the prevalence of misophonia; the triggering sound stimuli or “triggers”; the physiological and behavioral responses triggered by such stimuli; the audiological correlations; and the emotional and psychological disorders related to misophonia.

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Randomized Study to Prevent Vascular Events in HIV – REPRIEVE (A5332)

Institution: HCFMUSP- LIM 60 and FMUSP – Department of Preventive Medicine

Type of contract: Agreements signed between Partners Healthcare (founded by Brigham and Women’s Hospital and Massachusetts General Hospital) and FFM, with a grant from the NIH

Objective: Evaluating the effects of pitavastatin in preventing major adverse cardiovascular events in patients undergoing treatment for HIV infection.

Study on the Transdisciplinary Outpatient Clinic for Gender Identity and Sexual Orientation at IPq (AMTIGOS-HCFMUSP) to Assess the Impact of Healthcare Services by a Specialized Transdisciplinary Team on the Physical and Mental Health and Quality of Life of Transgender Children and Adolescents

Institution: HCFMUSP – IPq

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Assessing the improvement in the quality of life of AMTIGOS users who are already receiving care, including: data on the quality of life of patients and families; physical health (especially growth, nutritional and metabolic disorders); and mental health (especially anxiety and depression).

Translational Study of the Metabolic and Anti-Inflammatory Effects of Formulas Based on Apple and Pomegranate Vinegars

Institution: FMUSP – Department of Surgery

Type of contract: Research Agreement signed between Companhia dos Temperos Ltda., USP and FFM

Objective: Demonstrating the results and mechanisms associated with the effects on metabolism and control of chronic inflammation of formulas containing pomegranate or apple vinegars. This project was completed in 2024.

Risk Factors for Cognitive Impairment in Cohort Studies

Institution: FMUSP – Discipline of Geriatrics of the Department of Clinical Medicine

Type of contract: Application signed between the Alzheimer’s Association and FFM

Objective: Studying the association of sociodemographic aspects and lifestyle factors with the cognitive performance of individuals in the Mexican Health and Aging Study (MHAS), Brazilian Longitudinal Study of Elderly Health (ELSI-Brazil) and Longitudinal Study of Adult Health (ELSA-Brazil).

Risk Factors for Central Sensitization (CS) of Pain in Patients with Psoriatic Arthritis

Institution: FMUSP – Discipline of Rheumatology of the Department of Clinical Medicine

Type of contract: Donation from the Research Support Fund of the Brazilian Society of Rheumatology to FFM

Objective: Evaluating, in patients with psoriatic arthritis, the prevalence and risk factors associated with CS; the role of the inflammatory process in the occurrence of CS; and the impact of CS on quality of life, fatigue and functional capacity.

Genetics of Alzheimer’s Disease and Related Dementias in Latin America

Institution: HCFMUSP – ICHC – Division of Neurological Clinics

Type of contract: Subcontract signed between The Regents of the University of California and FFM, with a grant from the NIH

Objective: Establishing genetic contributions to Alzheimer’s Disease (AD) and Fronto-temperate Dementia (FTD) in several cohorts from South American countries with the aim of establishing a polygenic risk score specific to South American countries to predict the risk of AD and FTD in future samples.

Genomic Admixture Effects on Neuropathology And Cognition: APOE and Beyond

Institution: FMUSP – Discipline of Geriatrics of the Department of Clinical Medicine

Type of contract: Application signed between the Alzheimer's Association and FFM

Objective: Identifying genomic variants of African ancestry (AFR) and admixed races associated with Alzheimer's disease (AD) based on the hypothesis that African local ancestry (LA) of the APOE gene, as well as genes associated with APOE and other genes associated with AD, modulate the risk for AD.

Genomics of the Brazilian Population

Institution: USP – Biosciences Institute – CEGH – CEL

Type of contract: Own resources

Objective: Enabling the increase of genotyped samples of the Brazilian population, as well as the organization of the data generated with the help of the CEGH-CEL infrastructure, so that the data can be shared with other researchers.

Latitudinal Genomics of Landscape and Ecology of *Anopheles Darlingi*

Institution: USP – FSP – Department of Epidemiology

Type of contract: Agreement signed between Health Research Incorporated and FFM, with a grant from the NIH

Objective: The aim is to identify and quantify the main factors (ecological, entomological, socioeconomic) that drive the maintenance and proliferation of vector species in malaria hotspots in Brazil and Venezuela, as well as the genomic signatures of adaptation of the primary vector in *darlingi*, on broader scales.

HOPE – HIV Obstruction by Programmed Epigenetics

Institution: HCFMUSP – LIM 60

Type of contract: Agreement signed between J. David Gladstone Institutes and FFM, with a grant from the NIH

Objective: Contributing to the understanding of the functioning of NKT cells in the disease caused by HIV-1 and how these cells can contribute to the innate defense against HIV-1 infection.

Identification of Biomarkers Associated with Chronic Indeterminate Chagas Disease and Cardiomyopathy

Institution: FMUSP – IMT

Type of contract: Agreement signed between Novartis Institutes for BioMedical Researches, Inc., USP, FMUSP and FFM

Objective: Identifying biomarkers and biological pathways associated with infection by the Chagas disease parasite and disease progression to support early drug discovery and clinical trials for chronic Chagas disease.

Impact of HIV and Antiretroviral Initiation on Skeletal Biology

Institution: HCFMUSP – LIM 16

Type of contract: Subaward Agreement signed between The Trustees of Columbia University and FFM, with a grant from the NIH

Objective: Patients living with HIV have a higher risk of bone fractures. This study will evaluate the impact of antiretroviral therapy on osteoblast function, bone quality and strength.

Impact of a Cancer-Associated Thrombosis Treatment Program on Clinical Outcomes in Oncology Patients at Three Public Institutions in the State of São Paulo

Institution: Icesp

Type of contract: Commitment Agreement signed between the Ministry of Health and FFM, within the scope of PRONON

Objective: Implementing the Icesp multidisciplinary cancer-associated thrombosis treatment program at two public oncology treatment institutions in the State of São Paulo and comparing the clinical and pharmaco-economic outcomes before and after the implementation of the program.

Implications for Blood Safety and Advanced Testing for Screening HIV-Infected Donors on Antiretroviral Therapy (ART) and Pre-Exposure Prophylaxis Therapy (PrEP)

Institution: FMUSP – Department of Infectious and Parasitic Diseases

Type of contract: Memorandum of Understanding signed between the Vitalant Research Institute, FMUSP and FFM

Objective: Evaluating the frequency and percentage of positive results in nucleic acid detection tests in whole blood samples among people living with HIV with undetectable viral load; in plasma samples and highly vulnerable PrEP users with negative serology; and undetectable viral load in plasma samples. This project was completed in 2024.

Clinical and Biological Indicators of Premature Aging and Dementia in Adults and Elderly People with Down Syndrome (DS): Characterization of Clinical Demands and Intervention Perspectives

Institution: HCFMUSP- LIM 27

Type of contract: Commitment Agreement signed between the Ministry of Health and FFM, within the scope of PRONAS

Objective: Establishing clinical-functional indicators and investigating biological markers of premature aging and dementia in Down syndrome, and characterizing care demands and intervention perspectives for promoting mental health and preventing cognitive and functional decline in this population.

Clinical and Biological Indicators of Premature Aging and Dementia in Adults and Elderly People with Down Syndrome: Characterization of Clinical Demands and Perspectives for Intervention and Brazilian Network for Research, Training, Innovation, Technology & Inclusion for Down Syndrome (BURITI-SD)

Institution: FMUSP – Department of Psychiatry

Type of contract: Donation Agreement signed between Natural Persons and FFM

Objective: Strengthening research actions through operational support for field activities (outpatient and laboratory) in projects dedicated to the study of “Aging in Down Syndrome and its relationship with Alzheimer’s disease”, carried out at the IPq of HCFMUSP (LIM 27), within the scope of the Center for Translational Neurosciences of FMUSP.

US-South America Initiative for Genetic-Neural-Behavioral Interactions in Human Neurodegenerative Research

Institution: ICHC – Division of Clinical Neurology

Type of contract: Agreement signed between The Regents of the University of California, San Francisco, and FFM and Subaward Agreement signed between The Regents of the University of California, HCFMUSP and FFM, with a grant from The Bluefield Project to Cure FTD

Objective: Determining genetic, cognitive, brain and socioeconomic factors that discriminate between patients with Alzheimer’s disease from South American countries and the USA.

Bloomberg Initiatives for Global Road Safety in São Paulo: 2020-2021

Institution: HCFMUSP – LIM 40

Type of contract: Agreement signed between the Johns Hopkins International Injury Research Unit and FFM

Objective: The aim is to provide data on the major risk factors for traffic accidents, including alcohol use by drivers, failure to use seat belts, lack of child restraint devices, improper use of helmets by motorcyclists, and speeding, with the expansion of this methodology to other cities in the state of São Paulo.

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Intervention for the Implementation of Monitoring of Continuous Care for People Living with HIV/AIDS

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Agreement signed between ViiV Healthcare UK Ltd., FMUSP and FFM

Objective: Testing an intervention to improve monitoring of continuous health care for people with HIV infection, linked to SUS services, with the hypothesis that the intervention will bring improvements to the Clinical Monitoring System, comparing the effects with two control groups of services.

LatAm FINGERS – Latin American Initiative for Lifestyle Intervention to Prevent Cognitive Decline

Institution: HCFMUSP – ICHC – Division of Clinical Neurology

Type of contract: Application signed between the Alzheimer’s Association and FFM

Objective: Evaluating a flexible lifestyle intervention, in comparison with another active and more systematic intervention, in 1,400 cognitively asymptomatic elderly individuals at risk of cognitive impairment, aiming at the prevention of cognitive impairment and dementia.

Preclinical Brain Lesions Related to Alzheimer’s Disease and Other Neurodegenerative Diseases

Institution: HCFMUSP – LIM 22

Type of contract: Application signed between the Alzheimer’s Association and FFM

Objective: Evaluating the clinical and anatomopathological profile of a large number of individuals submitted to autopsy at SVO, destined for an interdisciplinary research network that may cover aspects of normal aging and related chronic-degenerative diseases.

Cellular and Molecular Mechanisms of Bladder Dysfunction Associated with Obstruction / Mechanisms of contractile

Institution: HCFMUSP – ICHC – Division of Urological Clinic

Type of contract: Subaward Agreement signed between Thomas Jefferson University and FFM, with a grant from the NIH

Objective: Investigating the cellular and molecular bases of structural and functional alterations of the bladder, in response to infravesical obstruction caused by benign prostatic hyperplasia and by neurological diseases that affect the spinal cord, causing neurogenic bladder.

Multicenter Cooperation to Developing Technetium-99m Radiopharmaceuticals Focused on Peptides

Institution: FMUSP – Department of Radiology and Oncology

Type of contract: Contract signed between the International Atomic Energy Agency (IAEA), FMUSP and FFM

Objective: Study of the radiolabeling of three new peptides, one initially characterized by binding of CD-163 macrophages in M2 and the other two with potential for cancer detection, developing quality control tests and conducting preclinical studies.

Multi-partner Consortium for Dementia Research in Latin America – ReDLat

Institution: HCFMUSP – ICHC – Division of Clinical Neurology

Type of contract: Agreement signed between The Regents of the University of California, San Francisco, and FFM, with a grant from the Rainwater Charitable Foundation

Objective: Identifying the unique genetic and socioeconomic status factors that drive the presentation of Alzheimer’s disease and frontotemporal dementia in South American countries, relative to the US. This project was completed in 2024.

NIHR Global Group on COPD in primary care in South America (Breathe Well South America)

Institution: FMUSP – Department of Clinical Medicine

Type of contract: Collaboration Agreement signed between The University of Birmingham, USP and FFM, with a grant from the NIHR

Objective: Including professionals from four research centers of excellence in Brazil to investigate patients with Chronic Obstructive Pulmonary Disease (COPD) and health professionals who care for these patients, aiming to understand the existing barriers to the implementation of the COPD care line.

The Role of Spontaneous Variants in the Genetic Architecture of Early-Onset Schizophrenia: A Whole-Genome Sequencing Study of Parent-Child Trios

Institution: HCFMUSP – IPq

Type of contract: Collaboration Letter issued by the International Brain Research Organization

Objective: Characterizing the role of de novo (not present in the parents) spontaneous structural and sequence variation in childhood-onset schizophrenia through whole-genome sequencing of parent-child trios.

OTOPAC-TGI: Optimization of Oncological Treatment for Patients with Gastrointestinal Tract Cancer

Institution: Icesp

Type of contract: Commitment Agreement to be signed between the Ministry of Health and FFM, within the scope of PRONON

Objective: Development of a flowchart of therapeutic approach for gastroesophageal and colorectal tumors, which includes biomarkers predicting response that help determine the conduct and development of personalized therapy, with the aim of optimizing clinical outcomes and quality of life of patients treated by SUS, promoting efficient management of resources, assisting medical decision-making, and allowing the selection of the most appropriate therapy for each patient.

Partnership for Prevention of HPV-Associated Cancers in People Living with HIV: Brazil, Mexico and Puerto Rico

Institution: HCFMUSP – Division of Clinical Immunology and Allergy

Type of contract: Subaward Agreement signed between the Joan & Sanford I. Weill Medical College of the Cornell University and FFM, with a grant from the NIH

Objective: Researching the best strategies for preventing tumors caused by HPV (human papillomavirus) in HIV-positive women and men in Latin America and the Caribbean.

Profile of Autoantibodies against the Blood-Brain/Nerve Barrier in Central and Peripheral Chronic Inflammatory Demyelinating Diseases

Institution: HCFMUSP – LIM 62

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Developing tools for the diagnosis and prognosis of patients with acquired inflammatory demyelinating diseases.

Oral HPV Research among Latin Americans Living with HIV (ORAL H2)

Institution: FMUSP – Department of Radiology and Oncology

Type of contract: Subaward Agreement signed between the H. Lee Moffitt Cancer Center and Research Institute, Inc. and FFM, with a grant from the NIH

Objective: Advancing the prevention of HPV-associated cancers that occur among people living with HIV (PLHIV) in Latin America. The hypothesis is that poor oral health, advanced biological age, aberrant DNA methylation, and immune dysregulation are factors associated with the persistence of oral HPV among PLHIV.



Community-Based Participatory Research: Shared Knowledge Building, Involving Scientists and Communities in Health Promotion, Prevention and Care

Institution: FMUSP – Department of Infectious and Parasitic Diseases

Type of contract: Own resources

Objective: Building shared knowledge between a public health research institution and communities, through a pilot training project on Community-Based Participatory Research.

People Living with HIV/AIDS (PLWHA) 50 Years or Older on Dual Therapy – PVHA50-TD Study

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Own resources

Objective: Evaluating the anti-viral and immunological effectiveness, quality of life, depression and some geriatric syndromes in people living with HIV/AIDS (PLWHA).

Prediction of Adverse Maternal and Fetal Outcomes in High-Risk Pregnancies: Prospective Cohort

Institution: ICHC – Division of Obstetrics

Type of contract: Own resources

Objective: Describing the changes found in high-risk pregnancies, throughout their prenatal, delivery and puerperium and proposing predictive models of adverse maternal and fetal outcomes; evaluating how the monitoring in the Service interfered in the follow-up of the pregnancy; and evaluating changes in the puerperium and their consequences on the health of the mother and child, comparing them with their prenatal monitoring.

PrEP Implementation Among Adolescent Key Populations in Brazil

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Subaward Agreement signed between The Board of Trustees of the University of Alabama for the University of Alabama at Birmingham and FFM, with a grant from the NIH

Objective: Conducting a qualitative study on adolescents’ perceptions regarding the provision of PrEP (Pre-Exposure Prophylaxis) in community services and prescribed by nurses; including, among the oral PrEP modalities offered, the on-demand scheme; and conducting a socio-historical analysis of the construction of PrEP1519. This project was completed in 2024.

PREVINE-TB – Implementation of New Strategies for TB Prevention Among People Living with HIV in Brazil

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Agreement signed between the Johns Hopkins University and FFM, with a grant from the NIH

Objective: This is a study that aims to operationalize the diagnosis of latent tuberculosis infection, through the laboratory test for the release of Interferon Gamma.

Production of Pituitary Cells from iPSC for Expanding the Diagnosis and Treatment of Hypopituitarism

Institution: HCFMUSP – ICHC – Division of Endocrinology and Metabolism

Type of contract: Commitment Agreement signed between the Ministry of Health and FFM, within the scope of PRONAS

Objective: Establishing a methodology for obtaining pituitary cell models in patients with congenital hypopituitarism.

Roots of Alzheimer's Disease: In Search of the First Signs and Creation of a Biobank for Studies on Aging and the Causes of Dementia in Brazil

Institution: FMUSP – Discipline of Geriatrics of the Department of Clinical Medicine

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Analyzing the presence of Alzheimer's disease and other brain lesions in post-mortem brains of individuals aged between 18 and 64 years, with the aim of verifying whether the disease develops in the brain before the appearance of the first clinical symptoms, such as memory loss.

Stroke Rehabilitation: A Systematic and Hierarchical Program for the Unified Health System

Institution: HCFMUSP – IMRea

Type of contract: Commitment Agreement signed between the Ministry of Health and FFM, within the scope of PRONAS

Objective: The study aims to hierarchize the current rehabilitation treatment of stroke in the SUS, associating, to conventional treatment, cognitive guidance; segmental desensitization with paraspinal block or with LASER and with radial and focal shock waves; and treatment with functional electrical stimulation.

Sex, Socioeconomic Level and Genetics as Risk Factors for Early Pathology of Alzheimer's Disease

Institution: HCFMUSP – ICHC – Division of Clinical Neurology

Type of contract: Application signed between the Alzheimer's Association and FFM

Objective: Assessing the pathological burden of Alzheimer's disease in the Brazilian population, through the retrospective quantification of neurofibrillary pathology in specific brain areas of 900 cases of multiple ethnicities collected from the Biobank for Studies of Brain Aging of FMUSP, and correlating with clinical, sociodemographic and sex information of donors, as well as determining the genetic risk factors related to Alzheimer's dementia in this population.

"SOMOS RAROS, mas SOMOS MUITOS" ("WE ARE RARE, but WE ARE MANY"): Development of a Reference Platform for Genetic Diagnosis and Clinical Guidance via Telemedicine for Patients with Rare Diseases, in Accordance with the DECIT/SUS Guidelines

Institution: FMUSP – Department of Pediatrics

Type of contract: Donation Agreement signed between Natural Persons and FFM

Objective: Establishing a reference platform for the genetic diagnosis of Rare Diseases and guidance on clinical conduct, as well as to support the development of public policies, with the aim of improving care for these patients in the SUS.

Underdiagnosis of Dementia in Hospitals: Evidence from the CHANGE Study

Institution: HCFMUSP – ICHC – Division of Geriatrics

Type of contract: Application signed between the Alzheimer's Association and FFM

Objective: Developing and validating a brief multidimensional assessment model for hospitalized elderly patients in a multicenter research network.

Cell Therapy with Immune Cells Expressing Chimeric Antigen Receptors (CAR) against Oncological Diseases

Institution: HCFMUSP – ICHC – Division of Hematology and Hemotherapy - Hematology, Hemotherapy and Cell Therapy Service

Type of contract: Donation Agreement signed between Natural Persons and FFM

Objective: The main objective of the study is to develop a fourth-generation CAR cell therapy against oncological diseases.



The Center for Innovation and Translation of Point-of-Care Technologies for Equitable Cancer Care (CITEC)

Institution: Icesp

Type of contract: Subaward Agreement signed between the William Marsh Rice University and FFM, with a grant from the NIH

Objective: Identifying high-priority clinical needs for Point of Care (POC) cancer technologies; accelerating the development of effective and affordable technologies to meet these needs; evaluating and improving the clinical and public health impact of POC technologies in diverse settings; and training developers and users to create and disseminate more equitable POC technologies.

ESBL-E. coli transmission in Humans through Exposure to Pets

Institution: FMUSP – IMT

Type of contract: Agreement signed between Fondation Mérieux and FFM

Objective: Assessing the risk of ESBL E. coli transmission in pregnant women through exposure to pets (dogs and cats) in order to identify possible pathways of circulation of antimicrobial resistance and searching for genomic characteristics that may be associated with each host.

Treatment of Depression in the Elderly with Repetitive Transcranial Magnetic Stimulation by the Theta-Burst Method

Institution: HCFMUSP – IPq

Type of contract: Collaboration Agreement signed between The Chancellor Masters and Scholars of the University of Oxford and FFM

Objective: Developing local expertise in the use of state-of-the-art neuroimaging techniques and to explore markers of response to magnetic stimulation treatment in geriatric depression. This project was completed in 2024.

Treatment of Cervical Metastases of Thyroid Carcinoma by Ultrasound-Guided Percutaneous Thermal Ablation

Institution: Icesp

Type of contract: Commitment Agreement signed between the Ministry of Health and FFM, within the scope of PRONON

Objective: Seeking new information on the diagnosis and treatment of thyroid cancer, especially in patients who have cervical metastatic lesions that can be treated percutaneously by thermal ablation.

Ultra-processed Food Consumption and Cancer Incidence and Mortality: Estimating Current and Future Projected Burdens in Europe Considering Different Scenarios

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Agreement signed between the Imperial College of Science, Technology and Medicine and FFM

Objective: The study will investigate and evaluate the associations between the consumption of ultra-processed foods and the risks of developing cancer, cardiometabolic diseases and mortality.

A Phase 2b/3 Double-Blind Safety and Efficacy Study of Cabotegravir Injection Compared to Daily Oral Tenofovir Disoproxil Fumarate/ Emtricitabine (TDF/FTC) for Pre-Exposure Prophylaxis in HIV-Uninfected Cisgender Men and Transgender Women Who Have Sex with Men

Institution: FMUSP – Department of Immunology and Department of Preventive Medicine

Type of contract: Agreements signed between Family Health International and FFM, with a grant from the NIH

Objective: Comparing the incidence of HIV among participants; assessing factors related to HIV infection, hepatitis, or sexually transmitted infections; and analyzing possible drug interactions between sex hormone therapies for transgender individuals.



Validation of the Global Scale of Development (GSED) for the Brazilian Context – Phase 2

Institution: USP – HU

Type of contract: Agreement signed between the World Health Organization (WHO) and FFM

Objective: This study continued the project called “Validation of the Global Scale of Development (GSED) for the Brazilian Context – Phases 1 and 2” and its main objective is to create an instrument for the global assessment of child development to be used worldwide. This project was completed in 2024.

Validation and Implementation of a Screening Strategy for Colonization by Carbapenem-Resistant Enterobacterales Based on a Rapid Immunochromatographic Test

Institution: HCFMUSP – ICHC – Hospital Infection Control Group

Type of contract: Agreement signed between the Jhpiego Corporation, HCFMUSP and FFM

Objective: Analyzing the sensitivity, specificity, positive and negative predictive values and accuracy of an immunochromatographic test without plate cultivation, in comparison with a commercial multiplex PCR directly from clinical samples.

Rare De Novo and Hereditary Variations in the Genome of Patients with Obsessive-Compulsive Disorder

Institution: HCFMUSP – IPq

Type of contract: Agreement signed between the Icahn School of Medicine at Mount Sinai and FFM and Subaward Agreement signed between the Baylor College of Medicine and FFM, with a grant from NIH

Objective: Investigating genomic variations that pose a risk for the development of obsessive-compulsive disorder and related disorders in patients and their families. Correlation analyses of these genomic variants with clinical variants (e.g., comorbidities and symptom severity) will also be performed.

Surveillance and Discovery of Viruses in Brazil

Institution: FMUSP – Department of Infectious and Parasitic Diseases

Type of contract: Agreement signed between Abbott Laboratories, FMUSP and FFM

Objective: The objective of this study is to understand the extent of viral diversity in human populations and to track new viral strains.

Linkage and Retention of People with HIV in Public Health Services: A Demonstration Project in the City of São Paulo, Brazil

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Agreement signed between AIDS Healthcare Foundation do Brasil and FFM

Objective: Studying the frequency, access barriers and vulnerability profiles of the linkage and different retention patterns of people infected with HIV in public health services in the city of São Paulo, as well as analyzing the effects of health technologies that aim to reduce these events in the Brazilian context.



CLINICAL STUDIES

In order to conduct any type of clinical research, in addition to approval by regulatory agencies, it is necessary to obtain free and informed consent from participants, and to maintain privacy and confidentiality of information.

In support of HCFMUSP and FMUSP, FFM has actively participated in conducting Clinical Studies, whose results are of great interest to the academic community and society in general.

Clinical research, clinical trial or clinical study are the terms used to describe a scientific investigation process involving human beings, aiming to discover or verify the pharmacodynamic, pharmacological, clinical and/or other effects of product(s) and/or identify adverse reactions to the product(s) under investigation, in order to ascertain their safety and/or effectiveness.

The advancement of medicine in search of new forms of diagnosis and clinical or surgical treatments directly or indirectly resorts to studies involving human beings. Even the use of animal testing, the emergence of the most advanced mathematical and statistical models, and the intensive use of information technology have not been able to eliminate this stage. There is currently a consensus that projects of this nature must undergo evaluation by an independent research ethics committee. However, there is always the possibility of potential tensions between the individual participating in the study protocols and researchers and sponsors and their teams.

In Brazil, ethics evaluation is carried out by a system of voluntary and unpaid members made up of 877 Research Ethics Committees (CEPs), responsible for the process of reviewing protocols in different institutions that are dedicated to research and support them. The CEPs, in turn, are coordinated by the National Research Ethics Commission (CONEP), a collegiate body with national scope that is part of the National Health Council (CNS) and regulates the system.

In 2016, the CNS took an unprecedented step to gain greater efficiency in the management of the ethical analysis of research protocols, initiating a process of decentralization. Highly complex, multicenter research projects in special thematic areas, such as genetic manipulation and human reproduction, which previously required an additional opinion from Conep, were, over time, assigned to Committees accredited by it.

In 2022, CAPPesq at HCFMUSP achieved the status of pre-accredited CEP, which allowed for faster analysis and approval of new research projects or changes to those already approved. At this time, new projects that would require Conep evaluation are evaluated within CaPPesq (while old projects continue in the original process).

In 2024, Law No. 14,874/2024 was enacted, establishing the new legal framework for research involving human beings by public and private institutions. The regulation also created the National System of Ethics in Research with Human Beings, as well as the National Research Ethics Authority as an Interdisciplinary and independent Board under the coordination of the Ministry of Health, through the Secretariat of Science, Technology and Innovation and the Health Economic-Industrial Complex (Setetics).

According to the text of the regulation, the commitment to ethics and independence in the analysis of research protocols will be guaranteed. From the date of entry into force, research will be defined as scientific procedures developed systematically to evaluate the action, safety and effectiveness of medications, in addition to verifying the distribution of risk factors for diseases and assessing the effects of factors or states on health.

Clinical studies conducted by researchers from the FMUSP-HC System take place at the HCFMUSP facilities, where the basic laboratory tests and imaging exams necessary for their development are also performed. More advanced exams are performed in research laboratories, using equipment from the PREMiUM Network.

Conducting scientific research requires compliance with fundamental ethical principles. Among them, the following stand out:

- **Free and informed consent:** the individual or their legal representative, by signing a free and informed consent form, expresses their willingness to voluntarily participate in the research, after having been informed and clarified about all aspects relevant to the decision-making process regarding their participation;
- **Privacy and confidentiality of information:** the information collected during the research must be kept confidential and used only for the purpose of the research;
- **Approval of the project by CAPPesq:** all research projects must be approved by the Ethics Committee for Analysis of Research Projects (CAPPesq) of the institution.

Approval of the research by the appropriate authorities is essential to ensure that the research is conducted ethically and safely, in accordance with Brazilian research standards.

Informed consent plays an essential role in the interaction between doctor and patient. This process, which involves providing comprehensive and understandable information to the patient about the proposed medical procedures, is essential to ensure that treatment decisions are made consciously and autonomously.

More than simply supporting the ethical principle of autonomy, informed consent also helps to strengthen trust between the health care professional and the patient, since by ensuring that the patient fully understands the risks, benefits and alternatives associated with a given treatment, a collaborative and participatory environment is created in health care management.

In addition, respect for informed consent represents a fundamental pillar in compliance with the standards that govern medical practice and also reinforces the foundations of a doctor-patient relationship based on transparency, respect and care.

It is essential to emphasize that negligence in this regard may even result in the doctor being held civilly liable for damages caused to a patient who was not properly informed about the risks inherent to the procedure. It is important to note that this liability is not limited to punishments resulting from errors in the result, but also covers the lack of information (defect in consent). Therefore, it is essential to develop clear and precise terms and to dedicate the necessary time to verbally and personally clarify the terms with the patient.

Clinical research management is linked to the Clinical Board of HCFMUSP. The sector responsible for forwarding research partnerships is the Clinical Research Office (EpeClin), a multidisciplinary and multiprofessional facilitator that promotes the encouragement, development and integration of Clinical Research at Hospital das Clínicas. The sector offers regular training to the FMUSP-HC System community and the general public.

In addition to playing an important role in clinical research, projects are essential in the training of human resources and contribute to the generation of resources that enable investments in the area.

Another advantage of clinical studies is that the expected results will provide support for the Ministry of Health to adopt adjustments in treatment strategies for the Brazilian population. Clinical studies are considered the main instrument for validating innovation in the health sector, with the objective of ensuring that research is carried out within the technical, scientific, ethical and legal parameters established by international consensus.

In 2024, FFM managed **755 clinical studies** (figure registered in 12/31/2024).

TRAINING PROJECTS





Training Projects aim to transmit knowledge, in an ethical and innovative way, with a high level of quality.

Scholarships for the “Adopt a Scientist” project

Institution: HCFMUSP – ICHC – Division of Hematology and Hemotherapy – Hematology, Hemotherapy and Cell Therapy Service

Type of contract: Donation Agreement signed between Natural Persons and FFM

Objective: Supporting the development of two postdoctoral fellows and a laboratory technician who will work on research developed at the Laboratory of Medical Research in Pathogenesis and Targeted Therapy in Onco-Immuno-Hematology at HCFMUSP.

Training of Health Care Professionals in Artificial Intelligence (AI) resources

Institution: HCFMUSP – InRad – InovaHC

Type of contract: Amendment to the Technical-Scientific Cooperation Agreement signed between Philips Medical Systems Ltda., HCFMUSP and FFM

Objective: Offering training involving fundamental AI concepts and healthcare application cases of interest to HCFMUSP, to solve specific medical problems. This project was completed in 2024.

Training in Care for Critical Oncology Patients and Diagnostic Imaging in Oncology

Institution: Icesp

Type of contract: Commitment Agreement signed between the Ministry of Health and FFM within the scope of PRONON

Objective: Training professionals who work in the SUS network of the State of São Paulo through courses distributed in three training programs in critical patient care: Diagnostic Imaging, Multidisciplinary Assistance and Ventilatory Assistance.

Training Course for Primary Care/Family Health Strategy (ESF) professionals for Phantom Limb Pain in amputees

Institution: HCFMUSP – IMRea

Type of contract: Commitment Agreement signed between the Ministry of Health and FFM, within the scope of PRONAS

Objective: Training health professionals in the recognition for the best diagnosis of phantom limb pain and, secondarily, creating an information and care platform for this patient.

Training Course for Primary Care Professionals/Family Health Strategy (ESF) for Integrating Rehabilitation into the Care Line for Adults with Stroke

Institution: HCFMUSP – IMRea

Type of contract: Commitment Agreement signed between the Ministry of Health and FFM, within the scope of PRONAS

Objective: Training and improving the technical and scientific knowledge of professionals for the prevention of disabilities with early referral to the rehabilitation network of people who have suffered a Stroke, in a comprehensive manner, with coordinated actions between primary care and rehabilitation at the tertiary level. This project was completed in 2024.

Developing training in neuropathology in a low-and middle-income country

Institution: FMUSP – Discipline of Geriatrics of the Department of Clinical Medicine

Type of contract: Application signed between the Alzheimer’s Association and FFM

Objective: Training researchers at the Biobank for Studies on Aging at Medical School of the University of São Paulo (FMUSP), aiming to triple its collection and improve research development, in addition to training other researchers from low-income countries who intend to develop brain banks in their regions.



Fellowship in Latin American Hepatobiliary Surgery

Institution: HCFMUSP – ICHC – Division of Liver and Digestive System Organ Transplants

Type of contract: Agreement signed between Americas Hepato-Pancreato-Biliary Association Foundation, HCFMUSP and FFM

Objective: Training graduates of digestive system surgery residency in the area of transplantation and hepatobiliary surgery, which is a shortage in Latin America. This project was completed in 2024.

HVTN Scientific Leadership Development Program

Institution: FMUSP – Department of Infectious and Parasitic Diseases

Type of contract: Subaward Agreement signed between Fred Hutchinson Cancer Center and FFM, with a grant from the NIH

Objective: Promoting young scientists by offering resources and guidance so that they can achieve excellence in their respective fields.

USP X Brainfarma Partnership: Improving the interaction between academia and the pharmaceutical industry by creating a Specialized Complementary Program to train professionals to work as Medical Science Liason (MSL), with training at USP and Brainfarma's Hynova Center

Institution: FMUSP – Department of Gastroenterology

Type of contract: Agreement signed between Brainfarma Indústria Química e Farmacêutica S.A., USP, FMUSP and FFM

Objective: Improving the training of health care professionals, within the scope of Medical Relations at the extension level, aiming to promote a culture of innovation, through the implementation of the Specialized Complementary Program, with the participation of professionals and professors from the university and researchers and technicians from the company.

Electronic Platform for Teaching and Training in Remote Surgery Based on Synthetic Reality

Institution: ICHC - Division of Urology

Type of contract: UMANE Association, HCFMUSP and FFM

Objective: Contributing to the training and improvement of surgical techniques applied to Kidney Transplantation and other highly complex surgeries. The project foresees investment in an electronic platform for teaching and training in remote surgery, based on synthetic reality and dependent tutor, for doctors, nurses, nursing technicians, instrument technicians and clinical engineers. This project was completed in 2024.

Specialized Complementary Program (PCE) in Pharmaceutical Assistance - Focus on Innovation

Institution: FMUSP – Department of Gastroenterology

Type of contract: Amendment to the Agreement signed between Brainfarma Indústria Química e Farmacêutica S.A., FMUSP and FFM

Objective: Expanding the training of health care professionals, in the area of research and innovation, for the development of new products and services focused on the health and well-being of patients, at the extension and postgraduate level, in addition to promoting a culture of innovation, through events with the participation of the university and the company.

EPAs (Entrustable Professional Activities) Program

Institution: FMUSP – Executive Board

Type of contract: Donation Agreement signed between Natural Persons and FFM

Objective: The EPAs (Entrustable Professional Activities) program at FMUSP was created based on the Preceptorship Grants project and aims to strengthen learning for 5th to 6th year medical students, filling the gap between theory and practice.

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Icesp Fellowship Program in Uro-Oncology

Institution: Icesp

Type of contract: Contract signed between Zodiac Produtos Farmacêuticos S.A. and FFM

Objective: Creating specialists in the treatment of urological cancer capable of performing highly complex surgeries.

Angola Project – Higher Education for Angolan Health Professionals

Institution: HCFMUSP- HCX (former EEP)

Type of contract: Contract signed between the Ministry of Higher Education, Science, Technology and Innovation of the Republic of Angola, HCFMUSP and FFM

Objective: Implementation of the International Cooperation Program for the higher education of Angolan health professionals, with full-time and exclusive dedication, living in Brazil. This project was completed in 2024.

Training in Basic and Advanced Laparoscopy in a Program Associated with the School of Medicine of PUC-Chile, city of Santiago

Institution: HCFMUSP – ICHC – Division of Digestive System Surgery and Coloproctology

Type of contract: Private Educational Fund Instrument signed between Johnson & Johnson and FFM

Objective: Providing training in basic and advanced laparoscopy for trainers at the Training Center (Virtual) in a program associated with the School of Medicine of PUC-Chile, developing basic video-assisted surgery skills through simulated models.

HEALTH POLICY PROJECTS



Health Policy Projects are intended to promote the definition of processes, interventions and public policies, among others.

Cost-Effectiveness Analysis of the Introduction of the Respiratory Syncytial Virus (RSV) Vaccine in the Immunization Schedule for Pregnant Women of the National Immunization Program in Brazil

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Letter of Agreement signed between PAHO and FFM

Objective: Complete economic evaluation study, based on analytical modeling, to estimate the cost-effectiveness of introducing the RSV vaccine, in a single dose, for pregnant women in the National Immunization Program.

Improvement of the Happy Child Program – SUAS-SUS Integration

Institution: FMUSP – Department of Pediatrics

Type of contract: Contracts signed between Grand Challenges Canada and FFM; and the Maria Cecília Souto Vidigal Foundation and FFM

Objective: This is the continuation of the project “Review and Improvement of the Happy Child Program” and consists of the final phase of the process of formulating a national public policy to promote child development.

Updating the Clinical Protocol and Therapeutic Guidelines and preparing studies and research on health technology assessment to support the incorporation of Technologies into the Unified Health System

Institution: HCFMUSP – NATS

Type of contract: Letter of Agreement signed between PAHO and FFM

Objective: Developing and updating Clinical Protocols and Therapeutic Guidelines and health technology assessment studies, based on topics requested by the Department of Management and Incorporation of Technologies and Innovation in Health of the Ministry of Health, in common agreement with PAHO.

Brazilian Deaths for WHO Reference Death Archive

Institution: FMUSP – Department of Pathology

Type of contract: Subaward Agreement signed between The Ohio State University and FFM, with a grant from the Bill & Melinda Gates Foundation

Objective: The project will assist in finalizing the protocol for verbal autopsy and deaths by minimally invasive tissue sampling at the SVO, as well as in creating a standard data format and protocol for transferring reference death information to the WHO archive.

Center for Research on Climate Change and Urban Health

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Agreement signed between the Drexel University and FFM, with a grant from the NIH

Objective: To better understand the impacts of climate change on health and health equity in urban areas in order to directly inform and promote urban interventions and policies needed to address these impacts.

Medical Demographics in Brazil 2025

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Letter of Agreement signed between PAHO and FFM

Objective: Production and publication of original research, updating of data, indicators, historical series and analyses on the transformations in the supply, training and work of doctors in Brazil.



Development of technical support to assist decision-making at Anvisa, especially related to technology assessment processes, preparation of the Agency's regulatory framework and production of regulatory impact studies

Institution: HCFMUSP – InRad - InovaHC

Type of contract: Contract signed between Anvisa, HCFMUSP and FFM

Objective: Developing technical-scientific support services to support decision-making at Anvisa, especially related to technology assessment processes, preparation of the Agency's regulatory framework and production of regulatory impact studies. This project was completed in 2024.

Development of studies and research on Health Technology Assessment to support the incorporation of Technologies into the Unified Health System

Institution: HCFMUSP – NATS

Type of contract: Letter of Agreement signed between PAHO and FFM

Objective: Developing studies on health technology assessment, following the methodology established by the Ministry of Health, providing agility in the process of producing information for decision-making. This project was completed in 2024.

Development of a manual of good surgical practices and improvement of logistics in the removal, packaging, storage and transportation of organs for transplants in Brazil

Institution: HCFMUSP – NATS

Type of contract: Letter of Agreement signed between PAHO and FFM

Objective: Developing a comprehensive manual that standardizes the practices for removal, packaging, storage and transportation of solid organs for transplants in Brazil.

Preparation of Rapid Technical Notes for Health Technology Assessment to Support Responses to Judicialized Items in the Unified Health System

Institution: HCFMUSP – NATS

Type of contract: Letter of Agreement signed between PAHO and FFM

Objective: Developing Technical Notes for health technology assessment based on topics requested by court judges. Judicialization of health is defined as the volume of lawsuits against the SUS to request the provision of medical treatments based on the right to health provided for in the Brazilian Constitution. This project was completed in 2024.

Study and Strategy for Preventing Suicide Ideation and Attempts in Adolescents

Institution: HCFMUSP – ICHC – Division of Gynecology and USP - Department of Clinical Psychology of the Psychology Institute (APOIAR-IP-USP)

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Developing strategies for prevention and early intervention in adolescents with mental health risk factors for suicide, aimed at teachers and education professionals in the public school system.

Study on public-private relations in Brazilian health care

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Developing three pilot studies on strategic themes involving public-private relations that affect the Unified Health System (SUS) for the creation of reproducible methodologies for the production, integration, treatment and dissemination of scientific evidence on public and private institutions, economic groups, companies and other organizations that make up the Brazilian health care system, aimed at improving political, economic, regulatory and organizational aspects of health policies, programs, actions and services.



FMUSP, SVOC and INSUPER: Conducting joint research in Urban Health

Institution: FMUSP – Department of Pathology

Type of contract: Agreement signed between the Institute of Education and Research – Insper, FMUSP, SVOC and FFM

Objective: a) Preparing a map of cases of dementia, poorly controlled diabetes, undiagnosed neoplasms, renal failure and insufficient care for bedridden elderly individuals, based on data from autopsies performed on deceased individuals at HCFMUSP or referred to the SVOC of the Medical School of the University of São Paulo;

b) determining the relationship between address and exposure to urban air pollutants using the same database;

c) identifying the factors in the urban environment that modulate the risk of these outcomes; and

d) producing suggestions for public policies for intervention in the urban environment aimed at improving the health of the population.

Normative mapping and evidence gathering regarding the standardization and sanitary regulation of assistive products

Institution: HCFMUSP – IMRea

Type of contract: Letter of Agreement signed between PAHO and FFM

Objective: Supporting possible improvements in Brazilian regulatory systems and normative instruments, strengthening their harmonization with policies and practices adopted in other countries and, if possible, simplifying regulatory procedures. This project was completed in 2024.

Climate change and urban health in Latin America - SALURBAL-Climate

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Subaward Agreement signed between the Drexel University, FMUSP and FFM, with a grant from the Wellcome Trust

Objective: Assessing the influence of climate change on public or individual health in cities, using data networks, in a purely ecological approach, without individual data.

The impact of exposure to multiple air pollutants on maternal and child health: using the database of the Environmental Surveillance Coordination

Institution: FMUSP – CEDI

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Developing a set of air pollution guidelines for Brazil, in order to guarantee healthy environments for the birth and development of children, aiming at the formulation of public policies on pollutant emissions, which will contribute to the reduction of respiratory problems in childhood - an important cause of infant morbidity and mortality - in addition to reducing the number of premature births, low birth weight and congenital anomalies.

The Impact of Income Transfer Programs on Breastfeeding Rates

Institution: FMUSP – Department of Pediatrics

Type of contract: Collaboration Agreement signed between the Swiss Tropical and Public Health Institute and FFM

Objective: 1) understanding breastfeeding behaviors, as well as identifying potential mechanisms to promote longer breastfeeding duration; and 2) evaluating the effectiveness of social transfers on exclusive breastfeeding rates in São Paulo, through a randomized clinical trial.

Research for Implementation of an Intestine and Multivisceral Transplant Program in the Unified Health System – SUS

Institution: HCFMUSP – ICHC - Division of Liver and Digestive System Organ Transplants

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Enabling the construction of a complete and consistent history for the procedure, generating opportunities for cost survey and development of work processes and clinical protocols to, in the future, support the creation of an Intestine Transplant Program in the SUS, in addition to setting precedents for new therapeutic perspectives in the treatment of chronic intestinal failure in the country, offering quality of life and social benefits for affected patients and their families. This project was completed in 2024.

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Research for the Maintenance of the Intestinal Rehabilitation Program by the Unified Health System – SUS

Institution: HCFMUSP – ICHC - Division of Liver and Digestive System Organ Transplants

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Meeting the demand of patients diagnosed with chronic intestinal failure for intestinal rehabilitation and home parenteral nutrition, in addition to conducting a detailed survey of the clinical results and costs of procedures performed in a large public hospital, in order to provide data to the Ministry of Health for future incorporation into the SUS procedure table.

Programs and policies for obesity prevention in low-, middle- and transition-income countries - studies to foster evidence and evaluate programs

Institution: USP – FSP - NUPENS

Type of contract: Agreement signed between The University of North Carolina at Chapel Hill and FFM

Objective: Proposing and evaluating policies for the prevention of obesity and other chronic diseases related to nutrition in Brazil.

Promoting responsive care and adequate nutrition among pregnant adolescents and young women, parents and their children

Institution: HCFMUSP – IPq

Type of contract: Agreement signed between UNICEF and FFM

Objective: Developing and monitoring the implementation of a home visit methodology, supported by the First Bonds project, focusing on pregnant adolescents and young women and/or women with young children, which can be adapted to the Happy Child Program; and developing and monitoring the implementation of educational instruments and materials, in electronic format, on the topic of adequate and healthy nutrition for children and adolescents, in order to be produced and distributed for implementation in the territories of the Urban Centers Platform.

Provision of Consultancy Services in Reducing Tariffs and Taxes on Assistive Technology (AT)

Institution: HCFMUSP – IMRea

Type of contract: Agreement signed between The United Nations Office for Project Services and FFM

Objective: Employing mixed methods to investigate and identify potential solutions for reducing trade barriers and prices of assistive products imported by low- and middle-income countries.

Emerging Disease Sequencing Network and Blood Bank Network to Assess Epidemics and Susceptibilities in the Population

Institution: FMUSP – Department of Infectious and Parasitic Diseases

Type of contract: Cooperation Agreement signed between the Todos pela Saúde Institute, FMUSP and FFM

Objective: Forming a sequencing network with rapid response and bioinformatics capacity to identify the predominant strains; detecting relevant mutations; and monitoring the spread of the virus.

In addition, the objective is to form a network of blood banks to assess previous infection with the Chikungunya virus, through the detection of IgG antibodies, to define the percentage of the population susceptible to this infection; and understand the baseline level of anti-dengue IgM antibodies, which would allow us to understand the epidemic attack rate in 2024.

Improvement Review of the Happy Child Program

Institution: FMUSP – CEDI

Type of contract: Agreement signed between the Lego Foundation and FFM

Objective: Reviewing the contents, materials and methods of the parenting and early childhood stimulation program promoted by the Ministry of Citizenship, Special Secretariat for Social Development, entitled “Happy Child Program”. This project was completed in 2024.



Review of prices of a selected list of assistive products, their spare parts, accessories and consumables in 12 countries to support the update of the WHO Priority Assistive Products List (APL)

Institution: HCFMUSP – IMRea

Type of contract: Agreement signed between the World Health Organization - WHO and FFM

Objective: Conducting a review of the prices of a selected list of assistive products, their spare parts, accessories and consumables in 12 countries to support the update of the WHO Priority Assistive Products List (APL).

Digital Health in Brazil: legislation, market and health information

Institution: FMUSP – Department of Preventive Medicine

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Producing technical knowledge for improvement of the actions of the Ministry of Health related to digital health and to make available unpublished data for research purposes in the thematic line of health policies, planning, management and evaluation.

Mental Health and Work: Initiatives to Support the Construction of an Institutional Policy for Prevention, Return to and Permanence at Work: Influence of Organizational and Relational Factors on the Processes of Return to and Permanence at Work: A Case Study

Institution: FMUSP – FOFITO

Type of contract: Contract signed between the Attorney General of the National Treasury (PGFN) and FFM

Objective: Developing actions at a strategic and operational level, with a view to building a permanent institutional mental health policy at the PGFN.

STI-Net: Reducing transmission of sexually transmitted infections (STI) and STI antimicrobial resistance in Brazil: Harnessing molecular testing technologies to develop sustainable digital innovations in service delivery and the public health response

Institution: FMUSP – Department of Infectious Diseases and Tropical Medicine

Type of contract: Collaboration Agreement signed between the London School of Hygiene & Tropical Medicine, USP and FFM

Objective: Forming an alliance between existing networks and other partner organizations in the United Kingdom and Brazil, which will exchange knowledge, support the implementation of national surveillance programs, share innovations in health pathways and scientific research focused on sexually transmitted infections and antimicrobial resistance.

INSTITUTIONAL PROJECTS





Institutional Projects are mainly aimed at improving, expanding and maintaining the physical and technological infrastructure of the FMUSP-HC System facilities

Equipment and Furniture Acquisition Projects

Acquisition of Electroencephalographs for InCor

Institution: HCFMUSP – InCor

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Acquisition of an electroencephalograph equipped with the technological innovation necessary to meet the demand for postoperative cognitive dysfunction and to perform non-invasive treatment at InCor. This project was completed in 2024.

Acquisition of equipment and supplies for the Hemoglobinopathies Outpatient Clinic and the Hematology Laboratory of the Hematology Service of HCFMUSP

Institution: HCFMUSP – ICHC - Division of Hematology and Hemotherapy - Hematology, Hemotherapy and Cell Therapy Service

Type of contract: Commitment Agreement signed between the Public Ministry of Labor – Labor Prosecutor’s Office of the Municipality of Patos de Minas (MG) and FFM

Objective: Acquisition of equipment and supplies for diagnosing hemoglobinopathies, screening family members and offering genetic counseling tests, and monitoring patients with severe complications of sickle cell disease.

Acquisition of equipment and furniture for the ICHC Physiotherapy Outpatient Clinic

Institution: HCFMUSP – ICHC – Division of Physiotherapy

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: The aquisition of new equipment will bring new possibilities for physiotherapy assessment and diagnosis to the outpatient clinic for the patients assisted.

Acquisition of equipment for the ICHC Neurosurgery Division

Institution: HCFMUSP – ICHC – Division of Neurosurgery

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Acquisition of an Ultrasonic Aspirator for the ICHC Neurosurgery Division, aiming at reducing surgical time, morbidity and the risk of surgical sequelae. This project was completed in 2024.

Acquisition of equipment for the Liver and Digestive System Organ Transplant Division of the ICHC

Institution: HCFMUSP – ICHC – Division of Liver and Digestive System Organ Transplant

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Acquisition of ultrasound equipment to speed up treatment and diagnosis in highly complex care for abdominal organ transplants and gastrointestinal surgeries in the SUS.

Acquisition of equipment for the Burns Unit of the Plastic Surgery and Burns Division

Institution: HCFMUSP – ICHC – Division of Plastic Surgery and Burns

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Renewal of equipment used in surgeries and procedures performed in the Burns Unit by HCFMUSP, in care for patients of the Unified Health System (SUS).

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Acquisition of equipment for the neonatal units of ICr

Institution: HCFMUSP – ICr

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: The transportation of newborns (NB) and the treatment of neonatal jaundice (NI) must be maintained under adequate conditions of temperature, oxygenation and radiation for the survival of the NB. The acquisition of equipment will lead to an improvement in the quality and safety of care for newborns.

Acquisition of equipment for the Gastroenterology Diagnostic Center of the ICHC

Institution: HCFMUSP – ICHC – Division of Gastroenterology and Clinical Hepatology

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Acquisition of an endoscope reprocessor and flexible videoendoscopy system for performing high and medium complexity procedures at the Gastroenterology Diagnostic Center of the ICHC.

Acquisition of equipment for LIM 04 of HCFMUSP

Institution: HCFMUSP – LIM 04

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: LIM 04 will be equipped to: a) conduct research on therapeutic strategies for the treatment of breast implant encapsulation after radiotherapy; and b) promote a remote monitoring program for patients with chronic wounds, through an app.

Acquisition of equipment for LIM 26

Institution: HCFMUSP – LIM 26

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: The acquisition of videoendoscopies and electric scalpels seeks to promote the adequate training of undergraduate students and residents, in addition to qualifying health professionals focused on the surgical-endoscopic area.

Acquisition of equipment for Neonatal Hearing Screening for ICr

Institution: HCFMUSP – ICr

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Acquisition of equipment for Neonatal Hearing Screening for ICr.

Acquisition of surgical microscopes for the ICHC Referenced Emergency Unit

Institution: HCFMUSP – ICHC – Division of Clinical Emergencies

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: The acquisition of new equipment will mean the renewal of care in one of the main emergency units in the country.

Acquisition of surgical microscopes for the ICHC and the IOT

Institution: HCFMUSP – ICHC – Surgical Center and IOT

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Incorporating advanced equipment into the Institution to better serve SUS patients, which will help reduce waiting times and speed up procedures, in addition to ensuring the effectiveness and safety of surgical interventions.

Acquisition of furniture for ITACI

Institution: ITACI

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Acquisition of high-rail cribs, which will contribute to maintaining the safety and well-being of patients in the care provided by the unit.

Acquisition and Replacement of equipment for the ICHC Surgical Center

Institution: HCFMUSP – ICHC – Surgical Center

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Acquisition and replacement of various equipment and materials used by the ICHC Surgical Center, which will allow for better room turnover, greater productivity and an increase in the supply of highly complex surgeries for the SUS. This project was completed in 2024.

Technological update of Icesp equipment

Institution: Icesp

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: a) technological update, at Icesp, of Monitors, Video Laparoscopy System, Rigid Endoscopes of the Surgical Center and replacement of Servers due to obsolescence; and

b) technological update of equipment in outpatient clinics, Surgical Centers, Material and Sterilization Center, Assistance, Physiotherapy, Day Hospital, Inpatient Care, Radiology Rehabilitation, ICU and other areas. This project was completed in 2024.

Hearing assessment in newborns with high risk of hearing loss admitted to the Neonatal ICU, at the bedside – early diagnosis

Institution: HCFMUSP – ICr

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Promoting the testing of 100% of children before hospital discharge, in order to diagnose possible hearing loss early, allowing for rapid and early intervention.

Expansion of the Premium Equipment Network with Emphasis on Diagnostic and Predictive Methods of Response to Treatment in Complex Diseases

Institution: HCFMUSP – LIMs – Executive Board

Type of contract: Agreement signed between Finep, HCFMUSP and FFM

Objective: Over the last 15 years, the FMUSP-HC System has been developing a network of multi-user equipment considered a national model (PREMIUM Network). With the expansion of the multi-user centers SELA – Large-Scale Sequencing and Biobank – Academic Network for Cancer Research and with the implemented tools for integrated management of research and innovation, it is expected to increase the training of human resources in the area, scientific production, development of new products, and partnerships with other national and international institutions.

Infrastructure for Multidisciplinary Research in Medicine, Engineering and Physiotherapy – INFRA LIMS 2018

Institution: HCFMUSP – LIMs – Exec. Board

Type of contract: Agreement signed between Finep, HCFMUSP and FFM

Objective: Development of two subprojects of the PREMiUM Network, which have a strongly multidisciplinary nature, intense interaction with Engineering, exploiting the expertise of researchers and the existing infrastructure, which will allow the introduction of new lines of research and training of professionals prepared for innovation projects. This project was completed in 2024.

Maintenance of the Research and Innovation Infrastructure of the FMUSP and HCFMUSP System

Institution: HCFMUSP – LIMs – Exec. Board

Type of contract: Agreement signed with Finep, HCFMUSP and FFM

Objective: Ensuring, through preventive maintenance services and acquisition of parts, the monitoring of two important research infrastructures, which are the Multi-User Equipment Network Program (PREMiUM Network) and the FMUSP Central Bioterium, which serve the entire community of researchers of the FMUSP-HC System, national and international external researchers, and public and private services. This project was completed in 2024.



Maintenance, operation and consolidation of the PREMIUM – Multi-user Equipment Network Program of the FMUSP-HC System

Institution: HCFMUSP – LIMs – Executive Board

Type of contract: Agreement signed between Finep, HCFMUSP and FFM

Objective: Enabling preventive and corrective maintenance of high-cost, high-technology equipment installed in the Network; in addition to the acquisition of equipment that complements the existing centers and the hiring of highly specialized labor. This project was completed in 2024.

Modernization of the IOT Orthopedic Manufacturing Workshop

Institution: HCFMUSP – IOT

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: The modernization of the IOT Orthopedic Manufacturing Workshop will improve quality and reduce the time for manufacturing and delivering orthoses and prostheses.

Modernization of the Technological Park of the Obstetrics and Fetal Medicine Division

Institution: HCFMUSP – Division of Obstetrics

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: With the acquisition of ultrasounds, a qualitative improvement is expected in teaching and research, as well as in the areas of support for assistance.

Modernization of the IOT Technological Park

Institution: HCFMUSP – IOT

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: The modernization of the IOT surgical tables and electric beds will provide a qualitative improvement in teaching and research, as well as in the areas of support for assistance.

Didactic Module – FMUSP 2024

Institution: FMUSP – Executive Board

Type of contract: Donation Agreement signed between Natural Persons and FFM

Objective: Design of a new structure for FMUSP facilities, with modern audiovisual technology, including innovative solutions, such as interactive whiteboards and online transmission systems, improving the learning experience and promoting dynamic teaching methods.

MOLECULAR: Incorporation of New Technologies in the PREMIUM NETWORK of multi-user equipment: new approaches in the study of cancer and diseases at the molecular level

Institution: HCFMUSP – LIMs – Executive Board

Type of contract: Agreement signed between Finep, HCFMUSP and FFM

Objective: Over the last 15 years, the FMUSP-HC System has been developing a network of multi-user equipment considered a national model (PREMIUM Network). The objective of this project is to provide the Network with innovative technologies for the study of cancer and other diseases at the molecular level.



**PREMIUM – Multi-user Equipment Network
Program of the FMUSP-HC System**

Institution: HCFMUSP – LIMs – Executive Board

Type of contract: Agreement signed between Finep, HCFMUSP and FFM

Objective: In order to stimulate research and innovation activities of the FMUSP-HC System, the FMUSP Board and the Executive Board of the LIMs created the Multi-user Equipment Network Program (PREMIUM). This Program aims to create conditions so that all researchers of the FMUSP-HC System, and outside it, have access to the most modern technologies of contemporary biomedical research and, at the same time, optimize the application of specialized financial and human resources.

The implementation of this Network therefore aims to avoid duplication and underutilization of equipment, allowing researchers to have access to the most advanced technology installed in the Institution and necessary for the various types of Experimental and Clinical Research.

Organized as services, the laboratories involved in this Program are coordinated by researchers with recognized experience in their respective areas of activity.

The equipment that makes up the PREMIUM Network is state-of-the-art and is operated by highly qualified technicians to offer the best possible results.

The services provided by the multi-user centers are available on a dedicated website with forms, guidelines and procedural standards available on the page itself (premium.fm.usp.br).

The Program is structured so that each set of equipment with the same purpose constitutes a multi-user center. The Network currently has 62 active centers. The equipment and services currently offered are distributed in the following groups:

Equipment:

- 1. Cytometry;
- 2. Experimental Models;
- 3. BioBank;
- 4. Structural and Functional Genomics;
- 5. Special Analyses;
- 6. Imaging; and
- 7. MICroscopy and MICroscopy Technique

Services:

- 8. Scientific Documentation;
- 9. Authentication of Cell Lines;
- 10. Biological Sample Storage Center;
- 11. Waste Committee;
- 12. Cytology and Histopathology;
- 13. Clinical and Laboratory Evaluation;
- 14. Biosafety;
- 15. Advanced Therapies; and
- 16. Biotechnology and Innovation Center.

The NB2 Multiuser Center began operations in March 2022, already certified by the National Technical Commission on Biosafety (CTNBio). The laboratory is registered with the PREMIUM Network and is managed by the Internal Commission on Biosafety in Genetically Modified Organisms of HCFMUSP. Activities involving genetically modified organisms at biosafety level 2 will be developed there, which will allow for the expansion of knowledge and qualification of scientific production in the field of biotechnology.

The PREMIUM Network model has been presented at national and international research management events and has received positive evaluations, both internally and externally.



Restoration of the Integrated Radioisotope Production Center (CIPR) and the Autopsy Room Imaging Platform (PISA) of the FMUSP-HC System

Institution: HCFMUSP – LIM 44

Type of contract: Agreement signed between FINEP, HCFMUSP and FFM

Objective: Restoration of two multi-user centers of national relevance of the FMUSP-HC System: The Integrated Radioisotope Production Center (CIPR) and the Autopsy Room Imaging Platform (PISA).

Replacement of furniture in the ICHC Geriatrics Service Outpatient Clinic

Institution: HCFMUSP – ICHC – Division of Geriatrics

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Replacement of furniture and modernization of the structure, in order to meet the growing demand resulting from the aging of the population.

Replacement of PET/CT at the “end of life” in Nuclear Medicine at Icesp

Institution: Icesp

Type of contract: Donation Agreement signed between Natural Persons and FFM

Objective: Replacement of a positron emission tomography equipment at Icesp, including the acquisition of a new one, the removal and proper disposal of the old one, and the structural adjustments for the installation of the new PET/CT.

Replacement of linear accelerators with electrons at InRad

Institution: HCFMUSP – InRad

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: The accelerators perform radiosurgery and TBI, among other procedures. With the new equipment, it is expected to reduce the treatment time (hypofractionated radiotherapy) of patients and increase the number of people treated.

Replacement of anesthesia equipment at the ICHC

Institution: HCFMUSP – ICHC – Surgery Center

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: This proposal will provide better care conditions for SUS patients.

Replacement of electric scalpels at the ICHC

Institution: HCFMUSP – ICHC – Surgery Center

Type of contract: Agreement signed between Ministry of Health and FFM

Objective: Replacement of electric scalpels at the ICHC, which will promote the incorporation of advanced items at the Institution for better care for SUS patients. This equipment will be used in surgical procedures in 18 medical specialties.

Replacement of electric beds for IPq and equipment for IOT and CeAC

Institution: HCFMUSP – IPq – IOT – CeAC (Employee Support Center)

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: The acquisition of equipment for HCFMUSP will provide improved care for IOT and IPq patients, as well as their employees. These investments aim to improve the quality of services provided, raising health and well-being standards in an efficient and sustainable manner.

Replacement of computers for Icesp

Institution: Icesp

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Replacement, due to obsolescence, of 137 Icesp computers. This project was completed in 2024.



Replacement of Magnetic Resonance Imaging Equipment for InRad and IOT

Institution: HCFMUSP – InRad and IOT

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Replacement of magnetic resonance imaging equipment installed at InRad and IOT for devices with more up-to-date technologies and advanced diagnostic tools, which directly benefit patient care. The project was completed in 2024.

Replacement of ultrasound equipment at InRad

Institution: HCFMUSP – InRad

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Replacement of ultrasound equipment installed at InRad, to be used at the Center for Imaging Diagnosis of Breast Diseases (CEDIM).

Replacement of equipment for the ICHC Obstetrics Division

Institution: HCFMUSP – ICHC – Division of Obstetrics

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Replacement of equipment with new technologies in the ICHC Obstetrics Division.

Replacement of equipment for the ICHC Geriatrics Service

Institution: HCFMUSP – ICHC – Division of Geriatrics

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Replacement of equipment with new technologies in the ICHC Geriatrics Service.

Replacement of Neuroendoscope for Ipq

Institution: HCFMUSP – IPq

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: The Neuroendoscope is a fundamental instrument for performing endonasal surgeries in the pituitary region. Currently, the equipment installed at IPq is obsolete and needs to be replaced.

Replacement of Video Endoscopy System for the Gynecology Division of the ICHC

Institution: HCFMUSP – ICHC – Division of Gynecology

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: Acquisition of a system for videolaparoscopy and hysteroscopy surgeries, which will replace the equipment currently used.

Replacement of ultrasounds in the Gynecology Division of the ICHC

Institution: HCFMUSP – ICHC – Division of Gynecology

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: The acquisition of more modern equipment will assist in the performance of minimally invasive surgical diagnosis and treatment.

Replacement of ultrasounds for the Emergency area of HCFMUSP

Institution: HCFMUSP – ICHC – Division of Clinical Emergencies

Type of contract: Agreement signed between the Ministry of Health and FFM

Objective: The acquisition of new equipment will allow for better planning of procedures and increase the quality of care provided.



Renovation Projects

Adaptation of the Plastic Surgery Outpatient Clinic at HCFMUSP

Institution: HCFMUSP – ICHC – Division of Plastic Surgery

Type of contract: Transfer Agreement signed between the Ministry of Health, CEF and FFM

Objective: The project to adapt the Plastic Surgery Outpatient Clinic at the ICHC aims to modernize the infrastructure to better serve SUS patients, providing comfort, quality and safety.

Renovation of the Gynecology Division at the ICHC

Institution: HCFMUSP – ICHC – Division of Gynecology

Type of contract: Transfer Contracts signed between the Ministry of Health, CEF and FFM

Objective: The project to reform and adapt the Gynecology Sector of the ICHC will contribute to improving care and developing technical protocols for various pathologies, including infertility treatments.

Reform of the Microorganism Genetics Section of IMT-FMUSP

Institution: FMUSP – IMT

Type of contract: Transfer Contract signed between the Ministry of Health, CEF and FFM

Objective: This reform aims to improve the capacity to respond to new epidemics and sequencing of new agents.

Renovation of the ICHC Emergency and Support Units, ICU and Inpatient Care

Institution: HCFMUSP – ICHC – Division of Clinical Emergencies

Type of contract: Transfer Agreement signed between the Ministry of Health, CEF and FFM

Objective: This renovation aims to allow the use of new technologies, which impact the processes and flows of care, and to adapt the physical structure.

Renovation of the ICHC Gastrosurgery Outpatient Clinic

Institution: HCFMUSP – ICHC – Division of Digestive System Surgery and Coloproctology

Type of contract: Transfer Agreement signed between the Ministry of Health, CEF and FFM

Objective: Renovation and adaptation of the outpatient unit of the ICHC Digestive System Surgery and Coloproctology Division, which provides comprehensive and quality care to overweight and obese patients, emphasizing specialized outpatient care, pre- and post-surgical. The project was completed in 2024.

Renovation of the Geriatric Outpatient Clinic at HCFMUSP

Institution: HCFMUSP – ICHC – Division of Geriatrics

Type of contract: Transfer Agreement signed between the Ministry of Health, CEF and FFM

Objective: This renovation will enable the creation of healthy spaces, which will bring a sense of well-being, and will include lighting, visual communication and acoustic and thermal comfort.

Renovation of the ICHC Trauma Center

Institution: HCFMUSP – ICHC – Division of General Surgery and Trauma

Type of contract: Transfer Agreement signed between the Ministry of Health, CEF and FFM

Objective: Renovation of the ICHC Trauma Center, which will have two hybrid rooms, with a control room, technical rooms and other assistance and support environments.



Renovation of the Innovation and Technology Laboratory of the Central Laboratory Division of HCFMUSP

Institution: HCFMUSP – ICHC – Central Laboratory Division

Type of contract: Transfer Agreement signed between the Ministry of Health, CEF and FFM

Objective: Providing adequate space for the development of diagnostic technologies, integrated into the technological management and innovation system, intended for the investigation, monitoring and therapeutic treatment of SUS patients.

Renovation of the Microbiology Laboratory of the Central Laboratory Division of HCFMUSP

Institution: HCFMUSP – ICHC – Central Laboratory Division

Type of contract: Transfer Agreement signed between the Ministry of Health, CEF and FFM

Objective: Meeting the demands of electrical infrastructure, air treatment systems, hydraulics and biosafety criteria.

Renovation of LIM 31 at HCFMUSP – 2021

Institution: HCFMUSP – LIM 31

Type of contract: Transfer Agreement signed between the Ministry of Health, CEF and FFM

Objective: The LIM 31 renovation project aims to adapt it to Biosafety levels 1 and 2 (NB1 and NB2).

Renovation of LIM 31 – 2024

Institution: HCFMUSP – LIM 31

Type of contract: Donation Agreement signed between Natural Persons and FFM

Objective: Improving the layout of the rooms and acquiring new equipment for the Cell Therapy Laboratory will directly impact the conduction of experiments related to research with different cells modified with CAR-T.

Renovation of the Digestive System Surgery Inpatient Unit

Institution: HCFMUSP – ICHC – Division of Digestive System Surgery and Coloproctology

Type of contract: Partnership Agreement signed between the Brazilian Association of Infrastructure and Base Industries (ABDIB), HCFMUSP and FFM

Objective: The renovation of the inpatient beds will guarantee greater privacy for patients, readjusting the number of beds per room (from 4 to 2), providing greater efficiency in the control of hospital infections and greater patient safety. ABDIB has committed to sharing information about this project with its members, with the aim of encouraging donations of resources for its implementation.

Renovation of the Outpatient Clinic of the Division of Infectious and Parasitic Diseases of the ICHC

Institution: HCFMUSP – ICHC – Division of Infectious and Parasitic Diseases

Type of contract: Transfer Contracts signed between the Ministry of Health, CEF and FFM

Objective: The project to renovate and revitalize the Outpatient Clinic of the Division of Infectious Diseases of the ICHC will contribute to qualitative improvements in the areas of support for care, enabling a safe and adequate infrastructure for health professionals and structured rooms for better patient care.



ABBREVIATIONS AND ACRONYMS

ABDI	Brazilian Agency of Industrial Development	FZ	Zerbini Foundation
ABDIB	Brazilian Association of Infrastructure and Basic Industry	HAS	Suzano Auxiliary Hospital of HCFMUSP
ANVISA	Health Surveillance National Agency	HCFMUSP	HCFMUSP of the Medical School of the University of São Paulo
AMA	Ambulatory Medical Assistance from the Municipal Health Secretariat of São Paulo	Hemominas	Minas Gerais Hematology and Hemotherapy Center Foundation
APAC	Authorization of High Complexity Ambulatory Procedures	Hemope	Hemope Foundation (Pernambuco)
BID	Inter-American Development Bank	Hemorio	Arthur de Siqueira Cavalcanti State Institute of Hematology (Rio de Janeiro)
CAPPesq	HCFMUSP Ethics Committee for Analysis of Research Projects	ICB-USP	Institute of Biomedical Sciences at the University of São Paulo
CARF	Commission on Accreditation of Rehabilitation Facilities	Icesp	Cancer Institute of the State of São Paulo "Octavio Frias de Oliveira"
CCR	Rebouças Convention Center	ICHC	HCFMUSP Central Institute
CEAF	Specialized Component of Pharmaceutical Care	ICr	HCFMUSP Children and Adolescent Institute
CEBAS	Certificate of Social Assistance Charitable Entity	IMRea	HCFMUSP Institute of Physical Medicine and Rehabilitation
CEDI-FMUSP	FMUSP Child Development Center	IMT	Institute of Tropical Medicine of São Paulo, Medical School of USP
CEF	Caixa Econômica Federal	InCor	HCFMUSP Heart Institute
CEGH-CEL	Center for Human Genome and Stem Cell Studies at USP	InovaHC	HCFMUSP Technological Innovation Center
CNPq	National Council for Scientific and Technological Development	InRad	HCFMUSP Radiology Institute
DRS-1/SES	Regional Health Department 1 of the State Secretariat of Health (Greater São Paulo)	IOT	HCFMUSP Orthopedics and Traumatology Institute
EEP	School of Permanent Education	IPer	HCFMUSP Perdizes Institute
FSP-USP	School of Public Health, University of São Paulo	IPq	HCFMUSP Psychiatry Institute
FFM	Medical School Foundation	IRLM	Lucy Montoro Rehabilitation Institute
FIESP	Federation of Industries of the State of São Paulo	ITACI	Child Cancer Treatment Institute
Finep	Financier of Studies and Projects	LEPIC	Laboratory for Teaching, Research, and Innovation in Surgery at HCFMUSP
FMUSP	Medical School of the University of São Paulo	LIM	HCFMUSP Medical Research Laboratory
FOFITO	Department of Speech Therapy, Physiotherapy and Occupational Therapy at FMUSP		



LIM 04	Microsurgery Laboratory – Plastic Surgery at HCFMUSP	PAHO	Pan American Health Organization (PAHO)
LIM 09	Pneumology Laboratory	P&DI	Research, Development and Innovation
LIM 15	HCFMUSP Neurology Research Laboratory	PAMB	HCFMUSP Ambulatory Building
LIM 16	HCFMUSP Renal Pathophysiology Laboratory	PRONAS/PCD	National Support Program for Health Care for People with Disabilities
LIM 22	HCFMUSP Cardiovascular Pathology Laboratory	PRONON	National Support Program for Oncological Care
LIM 26	HCFMUSP Experimental Surgery Research Laboratory	QT + RDT	Chemotherapy + Radiotherapy
LIM 27	HCFMUSP Neuroscience Laboratory	RRLM	Lucy Montoro Rehabilitation Network
LIM 31	Medical Research Laboratory in Pathogenesis and Targeted Therapy in Onco-Immunohematology at HCFMUSP	SES-SP	São Paulo State Health Department
LIM 40	Laboratory of Immunohematology and Forensic Hematology at HCFMUSP	SI-PNI	Information System – National Immunization Program
LIM 44	Magnetic Resonance Laboratory in Neuroradiology	SINASC	Live Birth Information System
LIM 60	HCFMUSP Clinical Immunology and Allergy Laboratory	SUS	Unified Health System
LIM 62	HCFMUSP Medical Research Laboratory in Neurosurgery	SVOC	Capital Death Verification Service
MS	Ministry of Health	TeleAME	Implementation of Remote Care in Specialty Ambulatory Clinics
MPT	Public Ministry of Labor	TeleAPS	Implementation of Remote Care for Primary Health Care
NATS	Health Technology Assessment Center	TeleSAP	Implementation of Remote Health Care for Prison Units
NIH	National Institutes of Health	TeleUTI	Implementation of Remote Care in Intensive Care Units
NIHR	National Institute for Health and Care	UBS	Basic Health Units of the Municipal Health Secretariat of São Paulo
NUPENS/USP	Center for Epidemiological Research in Nutrition and Health of the School of Public Health of the University of São Paulo	UNICEF	United Nations Children's Fund
ONA	National Accreditation Organization	USP	University of São Paulo
OPM	Orthoses, Prostheses and Means of locomotion	WHO	World Health Organization (WHO)

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The information in this report was provided by all areas of FFM and the FMUSP-HC System and by the Coordinators of the projects herein described.



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