



A Resource Guide:
Digital Health Research Support Teams
at Mass General Brigham



Part 1 of the Digital Research Education. A guide designed for research investigators and study staff to understand how to navigate the Mass General research support structure and better understand the **teams** involved.

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How to Use this Guide

This guide is meant to be used with a larger three-part class designed to help researchers and staff navigate digital health research at Mass General Brigham (MGB). This guide is a detailed overview and is not meant to be fully comprehensive. Information has been compiled from several information sources, and thus some material may need to be updated.

Please refer directly to each individual team’s online materials for the most up-to-date content.

The Digital Research Education (DRE) series is divided into three educational courses:

Course 1 - Research Support Teams at MGB (mission, contacts, URLs, documents, and FAQs)

Course 2 - Research Tools (Info sources, training, software)

Course 3 - Digital Health Research Process

What is Digital Health?

Digital health methods include the collection, transmission, and/or dissemination of private or non-private, actively or passively collected health data using software or technology on mobile or wirelessly communicating devices such as smartphones, sensors, and wearable devices that collect health information, including:

- Mobile applications (apps), either under development or commercially available
- Homegrown smartphone apps or wearables
- Marketed apps or other software in the clinical research context
- Touchable or wearable technologies that gather physiologic and/or health data (sensors)
- Technologies that transmit data via Bluetooth or other wireless technology
- Electronic Health Record (EHR) analysis

Why is a Digital Health Review Required?

The rise of malware (including its risk to biomedical devices), ransomware, etc., puts digital health technologies at increased risk. Several MGB technical teams stay up to date on how vulnerabilities are being exploited and provide guidance and recommendations for reducing risk, as well as insight on how technology should be best used to ensure a safe and successful research study.

Who Reviews and Supports Digital Health Research?

Many research support teams and stakeholders are involved in the review and development of Digital Health Technologies for implementation in clinical research. This guide provides an overview of those Centers, Teams, Cores, Divisions, and Committees. This document details each team's purpose, mission, and focus and includes frequently used forms, documents, checklists, and URLs.

The research support teams below are categorized alphabetically:

Biomedical Technology Services (MGH BTS)

Formed in 2022, MGH Biomedical Technology Services (BTS) combines the former Department of Biomedical Engineering, Perioperative Clinical Engineering, and the Respiratory biomedical support group to create a single integrated department for medical equipment management.

Visit the newly updated [Biomedical Technology Services website](#) for all the information regarding medical equipment. The new site reflects a larger, integrated department and includes device-specific information such as user manuals, quick reference guides, training videos, links to manufacturer websites, accessory ordering info, and more. You can also find other helpful documents such as our Recommended Equipment List, Who to Call for What list, Frequently Asked Questions, an Ask Biomed form, and an online Service Request form.

Website: <https://biomed.massgeneral.org/>

Contact: 617-724-1333

Center for COVID Innovation (MGBCCI)

The Center for COVID Innovation facilitates the development of innovations that flatten the COVID-19 curve and protect front-line clinical staff across the MGB community and beyond. It is a joint research, engineering, and development effort between MGH and BWH led by Dr. Guillermo Tearney and Dr. David Walt.

- Educates on what clinicians need to know for innovations to be safely deployed and used
- Helps identify internal and external resources necessary to operationalize these ideas
- Identifies and empowers internal and external experts that can move ideas towards practice

Website: <https://www.brighamandwomens.org/covid-19/center-for-covid-innovation>

Email: covid_innovation_data@partners.org

Center for Digital Mental Health (MGH CDMH)

The Center for Digital Mental Health is a hub for digital health innovation and for sharing ideas and resources within the Massachusetts General Hospital Department of Psychiatry. Directed by Dr. Sabine Wilhelm, the Center began as a think tank in 2019 and has grown to over 90 members who are energized by the joint goal of applying technology to address mental health needs. The Center's mission is to scale personalized evidence-based technology solutions to prevent, assess, and treat mental illness and promote mental health.

Website: <https://centerfordigitalmentalhealth.org/>

Contact: mghcdmh@partners.org

Center for Innovation in Digital HealthCare (MGH CIDH)

Guides, supports, advocates, and promotes digital health innovation. CIDH provides a core team to leverage and coordinate the multiple innovation and digital programs at MGH to achieve this mission. By augmenting the depth and breadth of those already engaged in this endeavor, CIDH positions Mass General Hospital to be the global leader in revolutionizing the healthcare industry into a digitally-based and human-centered continuous learning system:

- Coordinates and guides the development and integration of digital health innovation at Mass General Hospital, MGB, and industry
- Facilitates and supports the necessary infrastructure for digital healthcare
- Promotes growth of digital healthcare initiatives at MGH
- Directly supports innovators in navigating the hospital support structure
- Leverages real-world, data-driven experience to guide digital health business models

Website: <https://cidh.massgeneral.org/>

Contact: cobrien@mgh.harvard.edu

Clinical Trials Office (MGB CTO)

Responsible for developing, negotiating, and executing agreements and budgets for industry-sponsored clinical research at MGB hospitals. CTO supports MGB investigators and their industry sponsors conducting Phase I-IV clinical trials. This includes contracting, budgeting, and Clinical Trials Management Systems (CTMS) services:

- Industry Sponsored Clinical trial agreements (CTAs)
- Subawards for the performance of clinical research Small Business Innovation Research, and Small Business Technology Transfer (SBIR/STTR)
- Confidentiality (CDA), Data Use Agreements (DUA), and clinical research support agreements (CRSA) with industry in support of clinical trials
- Drug/device donations from industry supporting federally sponsored research agreements (CTAs)
- Support OnCore, an enterprise-level clinical trial management system (CTMS), and Advarra (Forte) Payments, a system to streamline participant payments.

CTO has three functional area teams: Agreements, Finance, and CTMS, which allow for close collaborations between investigators, sponsors, and the Clinical Trials Office.

CTO Agreements Team drafts, negotiates, and executes a variety of clinical trial agreement types:

- Company Initiated and PI Initiated Clinical Trial Agreements and Amendments
- Support Agreements: core lab, steering committee, equipment, and software loans
- Confidentiality Agreements
- Data Usage Agreements (DUAs)

CTO Finance Team assists investigators with the following:

- Budget preparation and negotiation, Payment Schedules, and Fund Setup
- Medicare Coverage Analysis (MCA)
- Consultation
- Potential subject population analyses utilizing the Research Patient Data Registry (RPDR) database

CTO System team manages OnCore and Advarra (Forte) Payments to assist research teams:

- Protocol and Subject Lifecycle Management and Reporting
- Financial Management, including Sponsor Invoicing and Payment Reconciliation
- Research participant payments

Website: <https://cto.partners.org/>

Contact: Maureen Lawton mlawton@partners.org

General questions: CTOmailbox@partners.org

Note: Contact the Center for Innovation in Digital Healthcare (CIDH) to determine which team should process your contract.

Contact: cobrien@mgh.harvard.edu

Data & Tissue Sharing Committee (MGB DTSC)

DTSC oversees the implementation of the Policy on Specimen and Data Transfers and Access, including review and approval of requests to ensure that the transfer is part of an activity that furthers the institutional charitable missions of Mass General Brigham.

- Acts as a steward and facilitates consistent and responsible sharing of MGB clinical and research data and tissue assets to promote research and improve patient care
- Reviews and approves data and tissue sharing requests and recommends a path forward for any issues that arise related to the request
- Refines and updates Data and Tissue Sharing Guidelines as appropriate (see link below)

- Provides a forum for further policy development through use case evaluation and recommendations

Email: phspdtsc@partners.org

[https://partnershealthcare.sharepoint.com/sites/phrmResources/c/Pages/Partners-Data-and-Tissue-Sharing-Committee-\(PDTSC\).aspx](https://partnershealthcare.sharepoint.com/sites/phrmResources/c/Pages/Partners-Data-and-Tissue-Sharing-Committee-(PDTSC).aspx)

Not all data and/or tissue-sharing requests need to be reviewed by the DTSC. The DTSC has established a Triage Team to help contracting offices review access requests. Please get in touch with an associate at one of the MGB contracting offices with further questions.

Data Science Office (MGB DSO)

Is the bridge between academic research and product development. Comprised of clinicians, data scientists, product managers, technical project managers, and software engineers, the DSO leverages the expertise of MGB's world-renowned clinical investigators and data scientists to address complex problems in health care delivery, operations, and care coordination.

- Artificial Intelligence for Clinicians (AI4C) is a monthly lecture series program focused on digital innovations
- The Data Science Pathway (DSP) is an exclusive program for Mass General Brigham Radiology Residents to learn the fundamentals of Artificial Intelligence (AI) and Machine Learning (ML) in healthcare.
- The Foundational Training Curriculum in Machine Learning (FTC-ML) is a self-guided online training program that will introduce you to the fundamentals of Machine Learning (ML) in healthcare, emphasizing practical concepts and knowledge. MGB clinicians, faculty, and staff with little or no computer science or mathematics background are welcome to participate.
- The Medical Imaging Data Access Services (MIDAS) enables MGB investigators to obtain radiologic imaging studies for research purposes. The first product available under MIDAS is the Defined Exam Retrieval Service. Using this service, researchers can specify a list of imaging studies, up to 1,000 per request, from the clinical imaging archives and store them in a temporary location with security and access control based on IRB permissions.

Website: <https://datascience.massgeneralbrigham.org/>

Website intake form: <https://datascience.massgeneralbrigham.org/contact/>

Contact: Educational Activities: Dr. Katherine Andriole kandriole@bwh.harvard.edu

Department of Intelligent Automation (MGB DIA)

Aims to expedite the delivery of Intelligent Automation capabilities while simultaneously managing risk and implementing a “best practices” approach that help improve the workflow by removing repetitive, high-volume tasks. DIA works to integrate scalable Intelligent Automation solution(s) to achieve improved efficiency, accuracy, and cost savings by training employees to become developers in these new technologies throughout MGB.

Contact: Pietro Schena – pschena@partners.org

Digital (MGB)

Digital is a newly formed group designed to develop a modern, well-functioning technology ecosystem that delivers the optimal experience and value to our patients, providers, researchers, and employees and will integrate the system's data and analytics, digital health, and information systems teams into one unified organization. This strategic change will allow the Digital team to efficiently deliver connected, seamless, brand-defining experiences that delight the people we serve — all powered by a unified platform ecosystem and future-thinking talent. The formation of this group has led to the restructuring of several departments at the hospital and enterprise level. Additional information is expected to be shared by leadership in late 2022.

Website: <https://partnershealthcare.sharepoint.com/sites/MGBDigitalPortal>

Contact: Chief Information and Digital Office, Jane Moran, MBA – jdmoran@partners.org

MGH CIO: Keith Jennings – kjennings@partners.org

Digital Enterprise Architecture Council (MGB EAC)

Responsible for ensuring there is a clearly defined reference architecture and set of target technology platforms. The Council will support the definition of the business capability model, the target platforms, and the application mappings. Facilitates the new technology process request to help all sites and services move toward enterprise solutions by standardizing platforms and technology.

- For any non-research project (clinical tech innovation) requiring Epic integration: The application or “new technology” needs to be submitted through the new Data Architecture Council. For new requests email: mgbarchitecturecouncil@partners.org
- For research projects needing Epic integration or Epic functionality: Submit a request to Holly Barr Vermilya (hbarrvermilya@partners.org) and Jasmine Ha (jha3@mgh.harvard.edu) for an intake for new project requests.
- For a Non-research project that is an innovation requiring Epic and you would like for it to be pursued using the INV environment: There is a request form in Service Now. Click on the Digital Health eCare request catalog. Under “Epic security”, click on Non-Production & Project Team Access Request. Make sure to check the box for INV under options. [Epic Non Production & Project Team Access Request](#).

Website: <https://partnershealthcare.sharepoint.com/sites/MGBDigitalPortal/SitePages/Architecture-Council.aspx>

Contact: MGBArchitectureCouncil@partners.org

Digital EPIC Team (MGB eCare)*

In July 2012, Mass General Brigham announced it would partner with Epic, the industry-leading provider of health information technology, to implement an integrated electronic health record (EHR) to be a more agile, integrated, and efficient system. eCare is also supporting MGB innovation and leadership in redesigning patient care models, advancing population health management, improving patient affordability, enhancing the patient experience, etc. eCare areas of focus include:

- Digital Health (DH) eCare (also known as Digital Health Steering Committee or Partners eCare Steering Committee): DH eCare handles requests for enhancements and integrations of EPIC.
 - Contact: Julie White; jwhite39@partners.org

- eCare ACE: “Agile Configuration and Execution” is a program/methodology used in eCare to build out enhancements (small system optimization changes) as part of the overall clinical enhancement portfolio of work. eCare ACE has several scrum teams using Agile methods to advance enhancement work.
- eCare HOV: Allows individuals a way to get EPIC requests prioritized and jump the queue in the normal development process by paying to accelerate development (pay-to-play service).
 - For HOV requests, submit a ServiceNow ticket. Contact: Brian Blackman bkblackman@partners.org
- Partners eCare Research Core (PeRC): Leverages Epic EHR to assist researchers in identifying and recruiting patients for research. Services include gathering Epic-related patient data for research (in the form of reports and/or data extracts), recruitment-related services (data reports and patient gateway), and developing patient questionnaires.
 - Additional resources: <https://partnersecare.partners.org/>
 - Questions or comments: partnersecare@partners.org

*This team may be reorganized within the structure of MGB Digital, to be determined later.

Digital Governance (MGH)

Digital Governance is an oversight and decision-making body that manages many different requests that enter the MGH system through channels such as eCare and ServiceNow. Researchers and staff don’t need to interface with this group directly.

Digital Health Innovation (MGB DHI)

An Enterprise program, DHI accelerates innovative efforts that address high priorities and system-wide challenges and reduces time to value realization by supporting execution of digital innovation projects, increasing capacity to innovate, and sharing successes and learnings across the health system and externally:

- Collaborate with, enable and facilitate communication between site-based innovation teams to provide governance and leadership across the enterprise to reduce costs, increase awareness and increase efficiency
- Provide innovation tools and resources to encourage, enable and streamline innovation efforts across MGB
- Increase capacity locally and enterprise-wide to quickly implement and evaluate digital innovation pilot programs and identify those with lasting value to scale
- Partner with internal and external stakeholders to support the commercialization of and investment in promising homegrown and vendor products and companies

Contact: Executive Director, Esther Kim -- ekim5@partners.org
<https://pulse.massgeneralbrigham.org/hub/initiatives/eddh>

Division of Clinical Research (MGH DCR)

The Centers and Units within the DCR provide a support structure for clinical, translational, and nursing research, and provide study support via biostatistics consultations and access to the Partners Biobank. Individual units in the DCR assist with omics, patient-centered outcomes research, electronic health records research, qualitative research, and more.

Free Services

- Hands-on research support
- Consultations with DCR faculty (6-8 hours)
- Investigational Drugs and Devices (IND/IDE) submissions
- Assistance with subject recruitment
- Identification of funding sources and budgeting for clinical studies
- Help with National Institutes of Health (NIH) and Patient-Centered Outcomes Research Institute (PCORI) applications
- Digital Healthcare Advisory Services through CIDH

Paid Services include Project Management and assistance with IRB new application submissions.

Websites: <https://dcr.massgeneral.org/>

Contact: tkoretskaia@partners.org

A similar research support team to DCR at BWH called the Center for Clinical Investigation:

<https://www.brighamresearchcci.org/>

Enterprise Research Infrastructure and Services (MGB ERIS)

Composed of service-oriented teams that directly support and collaborate with MGB researchers, EIRS provides the interface between researchers and MGB Information Systems (IS) and advocacy and guidance on behalf of research to the many Enterprise projects.

- Research Computing Core is a team of Engineers, Developers, and Systems Administrators providing fee-for-service consulting, discounted software licenses, and storage services
- ERISOne Linux Cluster platform team assists researchers who want to develop their projects in the supported platforms
- Develops and delivers enterprise-wide IT services for the research community that includes Linux, Windows, and Storage support, along with Discovery Informatics Platform for Research (DIPR) and database hosting for research
- Steers mobile and Apple endpoint strategy, as well as architects the platforms used to leverage the technologies at MGB
- Consults on collaboration and file-sharing tools used on an enterprise level at Mass General Brigham

ERIS established Advisory Boards composed of senior Principal Investigators (PIs) and subject matter experts involved in computing and computing technology to guide and develop the Research Information Service & Technology (IS&T) strategy for the research community.

Website: <https://rc.partners.org/about/who-we-are-risc/enterprise-research-infrastructure-services>

Educational Discounts on software: <https://rc.partners.org/kb/article/1345>

ERIS Contact: Brent Richter brichter@partners.org (857) 282-3777

Executive Committee on Research (MGH ECOR)

ECOR is the central planning and policy-making body of MGH. It is a standing committee of the MGH General Executive Committee (GEC) with specific responsibilities, including:

- Provide guidance on awards and grants
- Formulate research policies
- Develop a research plan congruent with the clinical mission of the Enterprise
- Represent the needs of the MGH scientists to the GEC
- Develop recommendations for the GEC and the MGH President on resource allocation issues
- Evaluate and monitor the quality of the science; and optimize communication

Interim Support Funding (Bridge Funding): is open to Principal Investigators during a lapse or delay in their research funding from the National Institutes of Health (NIH) or another Federal agency (e.g., DOD). Must have applied for long-term support (R01, R21, U01, and P01).

Website: <https://ecor.mgh.harvard.edu>

ECOR Interim Support Funding: https://ecor.mgh.harvard.edu/Default.aspx?node_id=427

ECOR Resources: <https://ecor.mgh.harvard.edu/resources>

Contact: (617) 643-7420; ecor@mgh.harvard.edu

Harvard Catalyst

Also known as Harvard University's Clinical and Translational Science Center, Harvard Catalyst supports the training of the next generation of researchers, providing:

- Courses and educational programs
- Research consulting, including tools for study design and guidance on regulatory issues
- [Policy Atlas](#) is a comprehensive database used to more easily identify data sources that can be used for policy-relevant research or to discover new sources for health data. Users can search various health topics, policy-relevant data, case studies, etc.
- Pilot funding for novel, high-impact projects

Learning in person https://catalyst.harvard.edu/in-person_learning_matrix.html

Learning online: https://catalyst.harvard.edu/online_learning_matrix.html

Contact: <https://catalyst.harvard.edu/contact-us/>

Human Research Affairs Compliance and Education Office (MGB)

Formerly the Partners Quality Improvement (QI) Program, the Human Research Affairs Compliance and Education Office provides education and support to investigators and study staff conducting clinical research studies at MGB institutions. This office has the authority to conduct audits (routine and for cause) of human subject research studies at MGB institutions to ensure compliance with relevant federal and state regulations and institutional policies.

Three core functions:

- Education: study start-up, regulatory binder/essential documents, informed consent process, ClinicalTrials.gov, Sponsor-Investigator responsibilities, Inspections, and Audits
- Support: guidance via the study management tools and document templates to support research activities (i.e., new Principal Investigator (PI) seeking guidance, Investigational New Drug (IND) application to the FDA, ClinicalTrials.gov, etc.)
- Audits: conduct routine, targeted (spot checks), and for-cause/directed audits of human subject research to verify compliance with research regulations and institutional policies

Study management tools, guidance documents, and document templates:

<https://partnershealthcare.sharepoint.com/sites/phrmResources/rsm/rsf/Pages/study-management-tools.aspx>

Website: <https://partnershealthcare.sharepoint.com/sites/phrmDepartments/poc/qi>

Email: humanresearchqi@partners.org

Information Services (MGB IS)*

The IS Service Hub can be used to browse knowledge, such as how-to instructions and troubleshooting information:

- Make a request for various computer issues (i.e., mapping to a printer or software integration)
- Fix a technical issue by getting support for something that isn't working properly or is broken
- Get help with EPIC
- Questions on technical workflows

Website: <https://partnershealthcare.service-now.com/isservicehub/>

Contact: 857-282-4357

*This team may be reorganized within the structure of MGB Digital, to be determined later.

Innovation (MGB)

The Innovation group coordinates industry relationships and Intellectual Property (IP) management across MGB. Their goal is to take medical inventions and innovations discovered by MGB researchers and provide the appropriate support and infrastructure to allow technology development, commercialization, and, ultimately, the development of products to benefit patients.

- Negotiates funded non-clinical research agreements from for-profit entities
- Negotiates Material Transfer Agreements
- Negotiates Non-clinical research Confidentiality agreements (CDAs) and Non-disclosure agreements (NDAs) from for-profit entities
- Provides invention commercialization services
- Research translations strategy and funding
- New company creation, international consulting, Licensing, and Venture investing

Website: <https://innovation.massgeneralbrigham.org/>

Innovator's Commercialization Guide:

<https://innovation.massgeneralbrigham.org/wp-content/uploads/2021/02/Innovators-Commercialization-Guide-FINAL-circulation-2-1-21.pdf>

The Innovation Transactional Affairs Group (TAG) is responsible for developing, negotiating, and executing data sharing agreements with industry for research that has been determined to be de-identified by IRB:

- Industry-sponsored basic/non-clinical research agreements/sponsored research agreements (SRAs)
- SBIR/STTR Subawards for the performance of basic/non-clinical research
- Any outgoing agreements issued under SRAs

- Confidentiality (CDA) and Data Use Agreements (DUA) with industry (basic/non-clinical research)
- Invention licensing agreements
- Material Transfer Agreements (MTAs) and Tissue Transfer Agreements (nonprofit entities)

Contact: TAG Director - Chris Beares: cbeares@partners.org

The Licensing Group

- New inventions, Market technologies, Negotiate sponsored research agreements and option/license agreements
- Support IP portfolios and maintain relationships with licensees

Contact: Managing Director, Licensing - Rebecca Listfield, Ph.D. -- rlistfield@partners.org

Note: Contact the Center for Innovation in Digital Healthcare (CIDH) to determine which team should process your contract.

Contact: cobrien@mgh.harvard.edu

Innovation Discovery Grants (MGB IDG) Program

The IDG program aims to enhance the commercial outcomes of the MGB community and to increase its innovative potential. It is designed to stimulate new inventive concepts, identify areas of commercially significant scientific strength, and accelerate the commercialization of MGB intellectual assets. The IDG program will fund projects that can demonstrate tangible outcomes towards commercialization licensing opportunities or a spinoff company that improves patient health. Winners can earn up to \$100,000.

Website: <https://innovation.massgeneralbrigham.org/about/special-programs/partners-innovation-development-grants-program>

Innovation Hub (BWH iHub)

The Brigham and Women's Hospital (BWH) iHub provides digital health innovation strategies to the hospital's community of clinicians, researchers and staff by guiding the evaluation, testing, and implementation of their innovations in the hospital. As a connection point between experts at BWH and the broader innovation ecosystem of start-ups, industry, and venture capitalists, iHub helps enable and advance collaboration needed to achieve the promise of digital health innovation.

iHub aids innovators:

- Formulate ideas and concepts
- Refine products
- Connect with entrepreneurs and digital health leaders to support and nurture ideas
- Develop business plans, strategy and market analysis
- Execute digital health pilots and test innovative solutions

Website: <https://bwhihub.org/>

Contact: Innovation Strategy Manager, Chen Cao -- ccaobwh@bwh.harvard.edu
<https://bwhihub.org/contact-us/>

Institutional Review Board (MGB IRB)

The administrative body established to protect the rights and welfare of human research subjects recruited to participate in research activities conducted under the auspices of the institution with which it is affiliated.

- Reviews, prior to its initiation, all research involving human participants.
- Authority to approve, disapprove, monitor, and require modifications in all research activities that fall within its jurisdiction as specified by federal regulations and institutional policy.
- Brigham and Women’s Hospital (BWH), MGH, Mass Eye and Ear Infirmary, Spaulding Rehab, and Wentworth-Douglass Hospital combined their respective IRBs into a single integrated IRB system.
- The integrated IRB operation is managed by MGB Human Research Affairs staff, a centralized department responsible for supporting human subject research services.

NOTE: Some quality improvement programs are not considered research and do not require IRB approval. To determine if your quality improvement (QI) program can avoid a full submission, contact the IRB directly to assess or submit a Not Human Subject Research determination form in REDCap ([Not Human Subject Research Determination \(partners.org\)](#)).

IRB Policies and Forms:

- <https://partnershealthcare.sharepoint.com/sites/phrmApply/aieipa/irb/Pages/MGB%20IRB-Policy-and-Guidance.aspx>
- <https://partnershealthcare.sharepoint.com/sites/phrmApply/aieipa/irb/Pages/IRB-Forms.aspx>

Insight/Humans User Guide:

<https://partnershealthcare.sharepoint.com/sites/phrmResources/t/Pages/InsightIRB-Training.aspx>

IRB Help Line for Insight/eIRB Help: Tel: 857-282-1900; Email: partnersirb@partners.org

MESH Network / MESH Incubator (MGB)

The Innovation MESH Network™ was created by the MESH Incubator, Mass General Brigham’s technology and entrepreneurship incubator, and Mass General Brigham Innovation. It has created infrastructure and framework to aid in transnational innovation through both core education and materials prototyping and manufacturing with direct pipelines to patent and licensing offices.

Mesh Key offerings:

MESH Core™ is the first integrated innovation curriculum in a medical training program and has been featured by the American College of Radiology. To date, Core has graduated 26 MD alumni in their weeklong intensive bootcamp, including out-of-state attendees. Core runs on a rolling basis throughout the year in small group cohorts and spans one week.

Website: <https://meshincubator.org/>

Innovation courses: <https://innovationmeshnetwork.org/courses/>

Contact: Founder & Executive Director, Dr. Marc Succi -- msucci@mgh.harvard.edu

Mass General Research Institute (MGH MGRI)

The Mass General Research Institute comprises more than 9,500 researchers working across more than 30 institutes, centers, and departments. The Research Institute Steering Committee is focused on

establishing broader relationships with industry, government, and community partners and finding new ways to connect them with our highly knowledgeable scientists and clinicians.

- [Research Intranet](#)
- [Mass General Brigham Biobank](#)
- [Research Core Facilities](#)
- [Rally \(Clinical Trials listing for MGB\)](#)
- [ClinicalTrials.gov](#)
- [Promote Your Research](#)

Website: <https://www.massgeneral.org/research/>

Contact: researchinstitute@mgh.harvard.edu

Office for Interactions with Industry (MGB OII)

Oversees, administers, and educates staff about all policies relating to interactions with industry and conflicts of interest. The structure of OII brings together Board Members, MGB physicians and other clinical providers, senior management, and outside community members to consider policy issues, manage relationships with industry, and help staff participate in productive arrangements with industry within the confines of MGB policies.

- Reviews personal consulting agreements received by principal investigators (PIs)
- Negotiates education activity agreements incoming from for-profit entities
- Reviews conflict disclosures and manages Financial Conflicts of Interest reporting

Website: [https://partnershealthcare.sharepoint.com/sites/phrmDepartments/opd/Pages/Office-for-Interactions-with-Industry-\(OII\).aspx](https://partnershealthcare.sharepoint.com/sites/phrmDepartments/opd/Pages/Office-for-Interactions-with-Industry-(OII).aspx)

Important OII Documents:

https://pulse.massgeneralbrigham.org/resources_training/documents/resources_training_documents/office_for_interactions_with_industry
[OII staff directory](#)

For questions email: PHSOII@partners.org

For Consulting Agreements email: Lindsay Nangle lnangle@partners.org

Note: Contact the Center for Innovation in Digital Healthcare (CIDH) to determine which team should process your contract.

Contact: cobrien@mgh.harvard.edu

Office of General Council (MGB OGC)

The legal counsel that represents Mass General Brigham roles up to Human Resources, Compliance and Board of Trustees. Typically, OGC is engaged via the contracting process or during a protocol review of your research project. Commonly the Clinical Trials Office (CTO), Research Information Security Office (RISO), Office for Interactions with Industry (OII), or Research Management (RM) may trigger engagement with OGC to create and negotiate contracts, execute data sharing agreements, or help determine royalties in licensing agreements, and other activities including:

- Works directly with management and physicians with primary decision-making responsibility

- Engages outside counsel to work under its supervision when a special counsel is appropriate
- Drafts and provides legal guidance on contracts, including Institutional Service Agreements (ISAs)
- Assists with Materials Transfer Agreements (MTAs) and Tissue Transfer Agreements with not-for-profit and industry entities supporting non-human subject research
- Does not provide legal advice to employees or patients on personal matters

Contract Crossover Projects: When more than one of the six contracting groups above will need to be involved. Involvement of more than one office may be required to execute and manage an agreement. The Lead group is responsible for structuring and coordinating the negotiations, and the Support group provides guidance and agreement language relevant to an area of expertise.

Website: <http://pulse.partners.org/gc/>

Note: Contact the Center for Innovation in Digital Healthcare (CIDH) to determine which team should process your contract.

Contact: cobrien@mgh.harvard.edu

Research Applications and Analytics Group (MGB RAA)

Composed of IS, analytics, and contract staff, RAA is responsible for supporting the administrative systems required to manage the MGB biomedical research portfolio. The group's sponsored computer applications provide the core features necessary across research management, human studies oversight, grants and contracts processing, and animal program management.

Contact: RAA Director, Scott McNeal -- 857-282-1948; smcneal@partners.org

Research Analytics Manager, Jonathan Kutrubes – 857-282-1825; jkutrubes@partners.org

Research Compliance (MGH)

MGH Research Compliance helps navigate the regulatory landscape by providing answers to regulatory and compliance questions, regulatory interpretation, training, compliance assessments, and audits, as well as investigating areas of concern.

- Researchers should ideally approach the MGH Research Compliance office first, and that office will determine if MGB Research Compliance also needs to be involved
- Supports all areas of research, regardless of the funding or the nature of the project
- Partners with the research community to promote responsible and ethical research conduct, a collaboration between programs, and a culture of compliance at MGH

Website: <https://mghresearch.partners.org/research-compliance-homepage/>

Resources and training: <https://mghresearch.partners.org/compliance-resources-and-training/>

MGH Director of Research Compliance – Kelé Piper, kkpiper@mgh.harvard.edu

MGH Research Integrity Officer (RIO) – Dr. Harry W. Orf, horf@mgh.harvard.edu

Research Compliance Office (MGB)

Supports the research mission of MGB and its affiliates by promoting adherence to research regulatory requirements and develops ethical business practices throughout the MGB research community.

- Supports MGB Research Management, MGB Human Research Office, Clinical Trials Office, and Research Finance through the development of policies and procedures
- Oversees and monitors high-risk Research Management and Research Finance activities to ensure compliance with sponsor requirements
- Responds promptly to incidents of non-compliance and assists in the development of corrective action plans
- Manages Responsible Conduct of Research (RCR) Program for all trainees, postdoctoral fellows, students, and career-development recipients under award mechanisms (e.g., T32, F32, K08)
- The RCR Training Program Consists of Three Parts:
 1. MGB Seminar – offered three times per year
 2. On-line training through the CITI (Collaborative Institutional Training Initiative)
 3. Participation in no less than four lecture/discussion offerings eligible for RCR credit at local institutions

[Partners Research Data Management Requirements](https://partnershealthcare.sharepoint.com/sites/phrmdepartments/poc/rco)

<https://partnershealthcare.sharepoint.com/sites/phrmdepartments/poc/rco>

Website:

<https://www.massgeneralbrigham.org/researcher-support-and-resources/research-compliance-office>

Chief Research Compliance Officer – Heather Cosier, JD, MA: hcosier@partners.org

Biosafety and Export Controls Program Manager – Claire Moretti: crmoretti@partners.org

Research Core Facilities (MGB)

There are over 125 Research Cores spread throughout the shared interdepartmental facilities of MGB. These paid service cores bring state-of-the-art instrumentation, methodologies, and expertise crucial to the promotion of research. They allow for more efficient use of resources, promote collaboration among investigators, and further enhance the competitiveness of MGB investigators to secure research funding.

Examples of Research Cores include:

- | | |
|--|---|
| • Admin Core | • Physiological Chemistry |
| • Animal Resources | • Research IT |
| • Biorepositories | • Sequencing and Omics and Translational Research |
| • Cell Biology | • Microbiology |
| • Databanks | |
| • MD PnP Medical Device Interoperability Program | |

Website: <https://researchcores.partners.org>

Research Information Science & Computing (MGB RISC)*

Research Information Science and Computing (RISC) supports research by providing scientific services and technology, a centralized clinical data registry, genomics IT, specimen banking, and administrative systems. These specialized applications, processes, and resources support basic, biomedical, and clinical research missions across the academic medical centers of MGB. Many of the services are at no cost to researchers. Additional services such as dedicated consultation, software licenses, and data storage are offered on a fee-for-service basis:

- Desktop and Mobile Service
- Remote Access
- Systems Development and Consulting
- Developer Tools
- Website and Server Hosting
- Computational Resources
- Storage and Backup
- Database and Data Services
- Training on Technical Tools, Computing, Infrastructure

Additional Services and Support:

- Identifying Subjects, Requesting, Collecting, and Analyzing Data
- Digital Health Review
- Data Security
- Research Computing Core
- Boiler plate descriptions of resources for use in grants, contracts, and IRB applications
- Research Information Security Office (RISO)
- Research Patient Data Registry (RPDR)

Website: <https://rc.partners.org/>

RISC computer support: <https://rc.partners.org/about/who-we-are-risc/fees-purchasing-information>

IT Services: <https://rc.partners.org/it-services>

Information Security Program, Secure your Computer, and FISMA Security Documentation Programs: <https://rc.partners.org/security>

Antivirus, Encryption, Firewall, and Secure login: <https://rc.partners.org/kb/information-security>

*This team may be reorganized within the structure of MGB Digital, to be determined later.

Research Information Security Office (MGB RISO)

Part of the larger Mass General Brigham Enterprise Information Security & Privacy Office (ISPO), RISO ensures that our research data's confidentiality, integrity, and availability are protected.

1. When submitting your protocol to the IRB, depending on certain criteria (i.e., data type, methods of data management, technology in use, regulatory requirements), it is possible that your protocol will require a (RISO) review.
2. A **RISO review** or **IRB Data Security Review** means your protocol will go through a technology risk assessment. To ensure the technology in place will maintain the integrity of all intellectual property (IP) and study data.
3. RISO Timing: A RISO review can take many months, depending on the complexity of the study; on average, the review takes six weeks from opening a ticket in the Service Desk (ServiceNow) to complete.
4. RISO Process:
 - a) Once RISO reviews the protocol, they will request an initial 30-minute call or send questions via email to review the data lifecycle for your protocol.
 - b) Once complete, RISO will send an approval letter and sign approval in Insight.
RISO areas of focus in the data lifecycle:
 - How will data be acquired?
 - How will data be transferred to the system that will store and process it?
 - How and where will data be stored?
 - How will data be accessed, shared, archived, and disposed, and how will access be controlled?

Three documents detailing your infrastructure are ideal to have for a RISO review:

- 1) Hardware inventory: list of all hardware devices used for the project
- 2) Data inventory: list of where data are stored
- 3) Data workflow diagram: a schematic of the data flow between devices across the lifecycle
- 4) Optional for more complex projects: Detail regarding devices, software, and vendors used, implementation plans, security scans, etc.

Website: <https://rc.partners.org/security/information-security-program/riso-ancillary-review>

Email: riso@partners.org

Research Management / Research Finance (MGB)

Supports the research activities at MGB institutions by facilitating administrative, financial, and regulatory requirements of their research efforts.

Types of contracts they support:

- Government (federal, state, local) foundation and other non-profit sponsored clinical and non-clinical research agreements
- Any outgoing subawards and clinical site agreements issued under the above
- Research Confidentiality (CDA) and Data Use Agreements (DUA) with government and non-profits
- Other unfunded collaboration agreements with the government

Pre-Award team supports and assists Principal Investigators (PIs) and Department Administrators as they prepare proposals for external sponsors. This team works closely with Research Management's Post-Award Contracts and Research Finance teams to support research projects throughout the grant's lifecycle.

Post-Award team sets up accounts for new awards, serves as the liaison between PIs and sponsors once awards have been issued, executes award modifications, performs fund management, and validates the effort and personnel charges.

Contracts team reviews and negotiates incoming sponsored agreements from government, foundations, and non-profit institutions, issues related subcontracts, and reviews and negotiates research-related unfunded agreements such as Data Use Agreements (DUA) and Confidential Disclosure Agreements (CDA) with government, foundation, and non-profit organizations.

Research Finance partners with PIs to manage the financial activity through control and review of all research-related transactions, including report preparation, grant and contract billing, receivables management, indirect cost (IDC) review, and cash management, and acts as a liaison between Research Management and the broader MGB Finance organization.

Research Finance Systems PeopleSoft is an enterprise resource planning (ERP) system that tracks and manages business resources. Modules allow for financial, procurement, grant, and human resource/payroll management. PeopleSoft facilitates the flow of business functions between various internal departments and manages connections to outside vendors and other MGB software applications.

[Learn more about Research Management](#)

Note: Contact the Center for Innovation in Digital Healthcare (CIDH) to determine which team should process your contract.

Contact: cobrien@mgh.harvard.edu

Research Space Management (MGB RSMG)

RSMG helps with the allocation of research office and lab space:

- Fosters a strategic, equitable, and cost-effective use of research space and resources through data collection, analysis, and project management while maintaining MGB policies
- Provides operational and client services, including coordinating office and lab relocation, disposal of equipment, etc.

Website: <https://mghresearch.partners.org/research-space-management-2/>

Scientific Advisory Committee (MGH SAC)

The SAC meeting managed by ECOR is a two-day event that celebrates key accomplishments of MGH investigators:

- SAC examines strategies for meeting the challenges currently facing the academic biomedical research community at Mass General

Website: <https://ecor.mgh.harvard.edu/MeetingsEvents/SAC>

Supply Chain Management (MGB SCM)

Executes contracts with vendors and suppliers to procure items and/or services, including consultants, data management, or lab tests, including:

- Lab Agreements for the supply of consumable products
- Material Transfer Agreements (MTAs) that have an associated purchase cost
- Outgoing Consulting Agreements (to companies and individuals)
- Agreements for services (external lab, cores, vendors)
- Agreements for the purchase/licensing of computer hardware and software
- Purchase Agreements for capital equipment (including Try to Buy)
- Equipment Maintenance Agreements

Supply chain key contacts

Contact: mmcontracts@partners.org

Operations Support (617) 726-2142 or create a [Supply Chain Inquiry ticket](#)

<https://www.massgeneralbrigham.org/supplier-vendor-information>

FAQs <https://www.massgeneralbrigham.org/supplier-vendor-information#faqs>

Note: Contact the Center for Innovation in Digital Healthcare (CIDH) to determine which team should process your contract.

Contact: cobrien@mgh.harvard.edu