Mayo Clinic & Arizona State University Alliance

List of Collaborative Activities, April 2016
Academic Initiatives

Mayo Medical School

**MMS Blended Curriculum**
Innovative approach to reimagine the delivery of the medical school curriculum

**Science of Health Care Delivery Certificate and Master’s Program**
Development of novel curriculum critical for the next generation of medical leaders

**MMS Dual Degree Programs**
Medical students can take advanced degrees at ASU in the Science of Health Care Delivery, law, mass communication, business, biomedical engineering and biomedical informatics

**PreMed Enrichment Program for Minority Students**
Create a 4-year program to support unrepresented minorities in medicine being competitive in med school applications. ASU and Mayo Medical School will collaborate
*In discussion stages*

**Medical Brigades at Mayo Medical School**
ASU undergraduate students will be integrated into a medical mission of mercy experience with Mayo physicians and students

**Mayo Online Learning**
Migrate continuing education courses to online platform (e.g. ECG refresher course and Patient Trends in Critical Incident Recognition)

Mayo School Of Health Sciences AZ Campus

**Dual Degrees in Allied Health Professions and ASU BS**
ASU bachelor’s students can concurrently enroll in allied health certificate programs—Echocardiography is being developed as first program
*In discussion stages*
Humanities in Medicine AZ Campus

**Poesia del Sol Creative Writing at the Bedside Program**
Creative writers from ASU compose a work based on conversations with patients.

**Sonata del Sol Music at the Bedside Program**
ASU musicians from the Herberger Institute for Design and the Arts visit patients on hospital units.

**ASU String Ensemble Outreach Program**
ASU School of Music string quartet provides performances at the Mayo Clinic, Mayo Hospital and local schools.

**ASU Music Therapy Program**
Developing a treatment program to assist patients in symptom management.

**Medical Journalism**
Program in development between Walter Cronkite School of Journalism and Mass Communication and Mayo Clinic physicians *In discussion stages*.

ASU College of Nursing and Health Innovation

**Bachelor of Science in Nursing**
Jointly-funded Mayo campus BSN program; Nationally recognized for private/public partnerships in nursing education.

**Evidence-based Practice Training and Research**
Jointly supported initiative with research focus in cancer prevention and treatment and health disparities.

**Professional Development**
ASU established a “Faculty Bootcamp” to address self-identified learning needs.

**Cancer Survivor Connection**
Interprofessional partnership focused on advancing the care of cancer survivor, alleviating symptoms and promoting health.

ASU Barrett, The Honors College

**Premedical Scholars Program**
Fifty bachelor students per semester gain valuable experience at the Mayo Clinic.

**Special Research Student Program**
Provides educational opportunities for Barrett students in biomedical research at Mayo Clinic-AZ.

**ASU Campus Health Services Staff Rounds**
Students are supervised by the Mayo School of Continuous Professional Development.
Additional Academic Programs

**Science of Health Care Delivery Master’s Capstone**
Students in the traditional master’s program complete semester-long projects based on real life problems of Mayo physicians.

**Lecture Series: Imagining Health**
Programs that incorporate humanistic approaches to health care also benefit the wider communities that medical facilities serve by contextualizing health as a basic human need.

**Bioscience Ethics, Policy and Law Internship Program**
Focus on clinical issues of ethical significance, including projects on organ transplantation and informed consent for care and for research.

**Obesity Solutions Undergraduate Research Internship Program**
Research is carried out in the lab of Mayo Clinic physicians with a focus on measurements of exercise and activity.

**Physician Leaders Business Academy**
Custom executive education curriculum on the Business of Health care for selected Physician Leaders and their Administrators.
Innovation Initiatives

Mayo Clinic, Center for Individualized Medicine

**Sangre por Salud Biobank**
Collaboration between the Mayo Clinic, ASU and Mountain Park to support studies in areas of special concern to the Latino population, such as obesity, metabolism and diabetes

**Microbiome**
Research and clinical collaborations to explore the relationship between the microbiome and health and disease
*In discussion stages*

Mayo Clinic Cancer Center

**Integrative Medicine**
Programmatic alignment between Mayo Clinic’s Complementary and Integrative Medicine Program, Cancer Center, and the College of Nursing and Health Innovation
*In discussion stages*

**Proton Beam Therapy Research**
Research on novel materials used for monitoring the prescribed dose applied to patients through the proton beam

Mayo Clinic, Center for Innovation

**Well-being for Learning and Life**
Collaboration with ASU Health Services and ASU Wellness to create student-centric approaches to promote a healthy lifestyle for students

**Transform Conference Sponsorship**
Explores how people power health to redefine the dynamics of health and health care

Clinical Care Outreach to Students

**ASU Health Services Partnership with Mayo Clinic Care Network**
Provides access to Mayo Clinic health services for ASU students

**Wellness/Obesity Solutions/Weight Management Clinic**
Institution-wide initiative to address the health challenges associated with obesity

**ASU Student Access to Mayo Clinic Expertise**
- Family Medicine
- Dermatology
- Neurology/Concussion
- Physical Medicine and Rehabilitation
- WHIM Syndrome
Research Collaborations

Joint Funding Programs

Team Science Program
New joint funding program to advance high impact projects with near term clinical translation potential

Seed Grant Program
12-year-old program promoting collaborative projects. Serves as seed funds for larger granting opportunities

ASU-Mayo Clinic Kern Center Research Acceleration Grant for Collaborative Health Care Delivery Science
New program to promote collaboration in the area of the Science of Health care Delivery

Collaborative Initiatives

Science of Health Care Delivery
ASU and Mayo Clinic have established academic and research initiatives in the science of health care delivery

Medical Informatics and Clinical Decision Support
ASU’s Department of Biomedical Informatics, embedded on the Mayo Clinic AZ campus, interacts with several Mayo initiatives, including the Office of Informatics and Knowledge Management

Center for Metabolic and Vascular Biology
A joint center that focuses on Metabolic Syndrome, an array of conditions that include insulin resistance, obesity, type 2 diabetes, hypertension, vascular dysfunction and coronary artery disease

Regenerative and Rehabilitative Medicine
Collaborations between ASU biomedical engineers and Mayo Clinic physicians through the Center for Regenerative Medicine

Project HoneyBee
Exploring the use of wearable biosensors in clinical settings through observational clinical trials

Obesity Solutions
A comprehensive approach for ASU and Mayo Clinic to develop and test better solutions to the obesity in communities

Molecular Detection and Medical Imaging
Collaborations between engineers at ASU and physicians in Department of Radiology at Mayo Clinic to improve the technology of medical imaging
Entrepreneurship & Innovation

Trailblazer
Collaborations between Mayo Clinic Ventures and ASU's WP Carey School of Business and Fulton Schools of Engineering on commercialization assessments

Other Collaborations

Health Solutions Innovation Center
Augmenting regional economic competitiveness through research and discovery and value-added programs through the Health Solutions Corridor vision