

College of Osteopathic Medicine of the Pacific & COMP-Northwest at WesternU Pomona, CA. | Lebanon, OR.



Western
University
OF HEALTH SCIENCES

College of Osteopathic Medicine of the Pacific
COMP-Northwest



Today

For over 100 years, the 'black doctor bag' has carried the tools of the physician and symbolized their work.

Today we are training a generation of physicians who are adept in technology and prepared for a hi-tech practice leveraging digital home monitoring devices, telemedicine visits, and electronic medical records for asynchronous communications between patients and doctors.

Technology continues to advance rapidly. We are committed to educating the physicians of the future on leading edge advancements in both medical education and the practice of medicine. As a medical school, we believe that the development of programs like the Digital Doctor Bag, where all students receive iPads, will provide our future doctors with the skills necessary to thrive in the transforming environment of health care.

Demographics

1326 Students
across two campuses

86 Pre-Clinical Faculty

Private Health Sciences
Institutions

Doctor of Osteopathic
Medicine years 1-4

Apple products and services

Apple iPad

Apple Pencil

**Digital Doctor Bag - equipping and
training students with the tools
and skills for the future**

Vision

The College of Osteopathic Medicine of the Pacific (COMP) & COMP-Northwest's Digital Doctor Bag program is dedicated to equipping the physicians of the future with tools they will need to provide the highest quality care for their patients. With our Digital Doctor Bag initiative, we transformed the iPad into the modern-day doctor bag. The iPad is emerging as the essential device to house the future tools of the physician and the practice of the 'art of medicine.' In this new age of medicine, we recognize its potential to equip our medical students with the skills and tools required to effectively intersect technology, medicine, and humanism.

Learning

Our medical school has embraced the integration of the iPad into various learning, teaching, and social experiences.



Students

Our students have seamlessly integrated the Digital Doctor Bag into their daily activities:

- Utilizing the Apple Pencil to draw anatomical diagrams and scribe notes directly on the lecture slides or with apps like [GoodNotes](#)
- Leveraging video capture for remote proctoring during examinations
- Accessing digital medical resources while out on clinical rotation, emptying the students' white coat pockets and eliminated trips to the library
- Bedside access to cloud-based Electronic Medical Records and Learning Management Systems

Faculty

Faculty champions have incorporated the iPad into our integrated medical education curriculum in both lesson plans and learning activities:

- Annotating slides and employing the digital white board with apps like [Doceri](#)
- Building out new digital applications and deploying them through apps like [PowerApps](#)
- Blending in anatomy platforms like [Complete Anatomy](#)
- Eliminating paper assessments, delivering Human Anatomy Practical examinations via [Exemplify](#)



College

We have launched several programs built around the Digital Doctor Bag:

- [COMP Connect](#) is an internal communications app with a social media environment, hosted virtual events, push notifications, and information on demand
- Medical devices such as the [Butterfly IQ Ultrasound](#) probe and its app, are incorporated into every student's learning experience
- Our Telemedicine Elective is a new clinical rotation that utilizes a mounted iPad during patient care encounters, allowing students and preceptors to engage remotely with onsite patients from offsite locations

Success

The Digital Doctor Bag program has successfully streamlined processes, employed digital learning platforms, and facilitated the use of emerging medical devices. It has closed the physical distance between faculty and students on clinical rotations, providing our future physicians with real-time access to resources in the clinic setting. And we have only just begun. We are currently focused on defining our metrics for measuring success and impact. We have developed a series of surveys (links below) to assess how our community is leveraging the iPad and its tools and what direction our community would like to see the program grow.

What's next

Building upon our successes, we will leverage data to drive decisions. Two critical initiatives have emerged. First, we will deploy mobile competency assessments of our students on clinical rotations at distant sites by their preceptors. Secondly, we will continue the integration of digital medical devices. The iPad has provided a launch pad for our students, faculty, and staff to think differently about medical education. As we continue to explore its capabilities and equip our future physicians we will forever change medical education and the practice of medicine itself.



Important Links:

Website: [Digital Doctor Bag](#)

Video: [Program Overview](#)

Surveys: [Student Survey](#) | [Faculty Survey](#)