2016-2017

Annual REPORT

No. 1 in rural primary care
The mission of the West Virginia School of Osteopathic Medicine (WVSOM) is to educate students from diverse backgrounds as lifelong learners in osteopathic medicine and complementary health related programs; to support and develop graduate medical education training; to advance scientific knowledge through academic, clinical and basic science research; and to promote patient-centered, evidence-based medicine. WVSOM is dedicated to serve, first and foremost, the state of West Virginia and the health care needs of its residents, emphasizing primary care in rural areas.
CAPITAL CAMPAIGN AND GIFTS

ACADEMICS AND OUR LEARNING ENVIRONMENT

RESEARCH

RURAL HEALTH INITIATIVE

ADMISSIONS

STUDENT DEMOGRAPHICS

COMMUNITY SERVICE

GRADUATE DEMOGRAPHICS

GRADUATE MEDICAL EDUCATION/MSOPTI

THE WVSOM ALUMNI ASSOCIATION

FINANCIAL OVERVIEW

CENTER FOR RURAL AND COMMUNITY HEALTH

HEALTHY CHILDREN’S INITIATIVE

THE WVSOM FOUNDATION

CAPITAL CAMPAIGN AND GIFTS
I am honored to be a part of the WVSOM family. When I visit campus I can feel the energy and it is contagious. As I look back over the 2016-2017 fiscal year, it is apparent in every endeavor, WVSOM is making strides – moving forward as a leader in osteopathic medical education.

I believe our success is a credit to our vigilant pursuit of excellence in all we do. Every victory is evaluated for improvement, every hurdle is reviewed for resolution; students try harder, faculty educate at a higher level and our staff is dedicated to giving their best effort to WVSOM.

In addition to supporting our mission to educate the very best osteopathic physicians in the nation, WVSOM contributes to the health and well-being of West Virginia residents through outreach programs such as the Center for Rural and Community Health (CRCH) and the Healthy Children’s Initiative (HCI). Both programs tackle very real issues regarding healthy communities. CRCH heavily contributed to the development of an Opioid Toolkit designed for the local community that has now been adopted as a publication for use all across the state. WVSOM’s HCI supported healthy choice habits for our youngest residents through the televised children’s show Abracadabra and through an outreach program to elementary schools.

However, that is not all. I wonder if people realize that WVSOM’s Statewide Campus system reaches every county in the state. We have students, assistant deans, faculty and staff embedded in communities throughout West Virginia. Many students select a residency in the same area as their Statewide Campus rotation base when they graduate and ultimately stay to practice medicine. They become a part of the community.

After reviewing this report, I trust you will be as enthusiastic as I am regarding WVSOM’s excellent program.

The future is indeed bright at WVSOM.

Warm regards,

Charles H. Davis, D.O.
WOW! It's hard to believe that another year has flown by—and what a great year it has been! The stories and statistics on the pages that follow are a testament to the many successes of our faculty, staff and students over the past twelve months.

The year started with a terrible flood in our community. Our faculty, staff and students went to work immediately to help flood victims—raising funds, gathering goods, food and water. In addition, they reached out to the local community physically by digging out mud from homes and basements and providing more than a thousand hours of community service to help our neighbors get back on their feet. It was a truly amazing effort and we are very proud of our WVSOM family.

On a happier note, we celebrated the opening of our new Student Center. Fifty-four thousand square feet of space housing a restaurant, open and quiet study areas, a recreation center and a conference center, all dedicated to our students and to the community.

The year continued with the passing of major state legislation, which gave WVSOM more autonomy, and recognized WVSOM to be on equal footing with WVU and Marshall University. Also during this time, the West Virginia Higher Education Policy Commission’s annual Health Sciences and Rural Health Report noted that WVSOM has more physicians practicing rural medicine in the state than the other two medical schools. In addition, we have the most physicians practicing primary care in the state and, for the first time, more physicians overall staying and practicing medicine in West Virginia.

Other accolades include being acknowledged for the 19th consecutive year as one of the top medical schools by U.S. News & World Report, and for the sixth consecutive year we were recognized as a Great College to Work For, by The Chronicle of Higher Education.

WVSOM is no longer a “well kept secret.” Our reputation continues to grow and shine throughout the state and all over this nation! I invite you to explore our annual report and to celebrate our accomplishments with us.

Best regards,

Michael Adelman, D.O., D.P.M., J.D.
GET TO KNOW OUR LEADERSHIP TEAM

Michael D. Adelman, D.O., D.P.M., J.D.
President

Larry Ware, M.B.A., C.P.A.
Vice President for Finance and Facilities

Craig Boisvert, D.O., FACOFP
Vice President for Academic Affairs and Dean

James W. Nemitz, Ph.D.
Vice President for Administration and External Relations

Jeffrey M. Shawver, J.D.
Vice President for Legal and Governmental Affairs and General Counsel

Leslie W. Bicksler, MSW
Associate Vice President of Human Resources

Marilea Butcher
Associate Vice President for Administrative Affairs

Debbie Green
Administrative Assistant Senior

Amy F. Goetz
Director of Marketing and Public Relations

Marietta D. Chaney
Events Coordinator

Cheryl Baker
Executive Administrative Assistant
OUR CURRENT BOARD OF GOVERNORS

Board of Governors members are appointed by the governor of West Virginia and bring to the table their expertise in their career field. WVSOM is honored to have them serve in this capacity.
INSTITUTIONAL AWARDS AND RECOGNITION

In addition to our students’ success, progress can be measured in a variety of ways. Because our mission is securely aligned with serving others, it is significant to note that WVSOM is No. 1 in the state, the region and the nation in the percentage of graduates who practice rural medicine. Rural care supports some of the most underserved areas in the country.

WVSOM was ranked one of the nation’s top medical schools for the 19th consecutive year.

*U.S. News & World Report*

WVSOM was recognized for the sixth consecutive year as a Great College to Work For.

*The Chronicle of Higher Education*

WVSOM is No. 1 in the nation among all medical schools graduating physicians who practice in rural areas.

*Academic Medicine* 2012

WVSOM is No. 1 in overall retention of graduates in the state, number of primary care physicians and physicians practicing in rural areas of West Virginia.

Data obtained from W.Va. HEPC 2016

*Health Sciences and Rural Health Report*

for graduating classes of 2006-2011

WVSOM is No. 1 in the nation graduating primary care physicians who practice in rural Appalachia.

*Academic Medicine* 2010
During the 2017 legislative session, two important bills were passed that provide significant opportunities for WVSOM. The first bill, House Bill 2542, gives WVSOM and other colleges in the state the ability to have more autonomy with regard to its employees. It allows our Board of Governors to set personnel policies and compensation packages based on our market, rather than having to rely on the previous system, which “cookie cut” compensation and policies throughout the state. This will make our school more competitive for attracting faculty and staff.

For many years, West Virginia University has had greater independence regarding the ability to develop and implement many other policies, while the other colleges and universities in the state system were more highly regulated. This year, Governor Jim Justice’s office submitted House Bill 2815, which the legislature supported and passed, to give WVSOM and Marshall University the same autonomy as WVU and, in fact, increased autonomy for all three schools. Rules governing tuition and fees, purchasing and the start of new programs are among the multiple items described in the bill. During the next year, administration, faculty, and staff will work closely with our Board of Governors to develop new policies in order to implement these bills.
The fiscal year focused on building employees’ strengths and fostering an environment where employees could grow personally and professionally.

The Office of Human Resources believes that when employees are provided with a supportive and collegial work environment, as well as the resources and tools to do their jobs well, employees will continue to grow personally and professionally and WVSOM will continue to be a point of pride for all.

ESSENTIAL PIECE

WVSOM’s training during 2016-2017 focused on recognizing the essential role all WVSOM employees play in fulfilling our mission. Each employee contributes their talents and expertise and together we achieve amazing results for the students we serve. Each and every employee is an “Essential Piece” to achieving WVSOM’s success. Our trainings during the last year have focused on developing and recognizing each individual’s strengths and their contributions to WVSOM. The common characteristic that each of our employees exhibit is that they are passionate about the jobs they do to ensure WVSOM’s continued success.
EDUCATIONAL DEVELOPMENT FUNDING

Since the initiation of the Educational Development program in 2010, 44 employees have benefited. The goal is to provide and enhance professional knowledge or skills, and to improve academic and professional credentials for each employee. Funding is provided to employees in pursuit of degrees, non-degree studies, research, presentations and other academic or professional programs that would not normally fall under funds that would be awarded for job-related professional development. Classified employees also had the opportunity to access two tuition waivers per semester from New River Technical and Community College.

44 EMPLOYEES HAVE ENHANCED THEIR PROFESSIONAL KNOWLEDGE OR SKILLS THROUGH THE EDUCATIONAL DEVELOPMENT PROGRAM SINCE 2010
Our rigorous program produces physicians who are dedicated, disciplined and committed to mastering knowledge and embracing a compassionate bedside manner. The patient-centered curricular structure offers a clinically integrated approach to medical education.

Hands-on learning for patient-centered care
FIRST AND SECOND YEARS:  
PATIENT PRESENTATION CURRICULUM

WVSOM developed its Patient Presentation Curriculum (PPC) to encourage students to take a more active role in their education. The PPC is centered on the most common ways patients present to their physician. Rather than passively sitting back and listening to hour after hour of lecture, faculty use case openings and closings to draw students into discussions about presenting symptoms, physical signs they may expect, what the cause could be and what disease processes are occurring. The use of flipped classrooms, Team Based Learning (TBL) and application sessions allow the students to apply the knowledge they are learning.

In student labs, students acquire and hone the skills necessary to treat patients. During Clinical Skills 1, students learn how to carry out patient interviews and perform patient physicals. The Clinical Skills 2 course allows students time in provider offices and the opportunity to participate in skills labs such as scrub, suture and ultrasound. The Osteopathic Principles and Practice course teaches students the skills to evaluate, diagnose and treat patients using osteopathic manipulation. Sessions with standardized patients, 24 high-fidelity human simulators and interprofessional experiences further enhance the learning experience.

ACADEMIC SUPPORT

The West Virginia School of Osteopathic Medicine offers several programs that support academic performance.

ACADEMIC SUPPORT PROGRAMS AT WVSOM INCLUDE:

- Academic Support and Intervention Resources (ASPIRE)
- Clinical Evaluation Center (CEC)
- Center for International Medicine and Cultural Concerns (CiMCC)
- Exam Center
- Office of Assessment and Educational Development (OAED)
- Office of National Boards
- Rural Health Initiative (RHi)
- Peer Mentoring Program
- Peer Tutoring Program (Accredited through the College Reading and Learning Association)

PATIENT-CENTERED FROM THE START:

- Flipped classrooms
- Team Based Learning (TBL)
- Application sessions
- Skills labs
- Osteopathic manipulation integration
- Cadaver dissection
- Standardized patients
- Human-patient simulators
- Interprofessional experiences

135 STUDENT MENTORS FROM THE CLASS OF 2020 ASSISTED STUDENTS FROM THE CLASS OF 2021

THE WVSOM PEER MENTOR PROGRAM

Soon after arriving on campus for the fall semester, first-year students are introduced to the Peer Mentor Program. First-year students are each assigned a second-year student to assist them in making the transition to medical school. Every first-year student is assigned a peer mentor prior to orientation; during the 2016-2017 fiscal year, 135 members of the second-year class (Class of 2020) formally mentored the entire first-year class (Class of 2021). Due to the increased efforts to build rapport and camaraderie between the first- and second-year classes, many students established mentoring relationships on an informal basis as well.
ELECTRONIC HEALTH RECORDS TRAINING – A NECESSARY COMPONENT OF MEDICAL EDUCATION

Since August 2011, WVSOM’s CEC has integrated multidisciplinary training in EHRs throughout the curriculum. This training includes seminars on broad concepts supplemented with online modules, didactic lectures and hands-on experiences. Students gain instruction of EHRs in communication labs featuring standardized patient encounters that are conducted in a realistic clinical environment at the CEC. In such encounters, students demonstrate essential multi-tasking skills by managing the EHRs and maintaining patient interaction. Students also gain experience using a web-based Electronic Medical Record (EMR) during hospital-based simulations that prepares them for electronic charts in most hospitals.
Handheld ultrasound equipment provides a cost-effective ultrasound option for smaller clinics, rural practices and emergent situations. Elizabeth Ziner, D.O., assistant director of medical simulation in the CEC, introduced second year WVSOM students to this technology as part of the cardiac examination. Faculty members Jandy Hanna, Ph.D. and Emily Thomas, D.O. are also incorporating use of the handheld equipment into the curriculum. Dr. Hanna utilizes the devices during first-year student anatomy lab and Dr. Thomas is interested in second-year students integrating them in lung findings.

“Visualization of structures in the human body brings the anatomy of the patient to life. The point of care ultrasound is becoming a mainstay in the diagnosis and treatment of patients. We are exposing students to this vital piece of equipment early in their education. Our goal is to integrate ultrasound training throughout the curriculum to create a seamless transition into their residencies,” Ziner said.

Visualization of structures in the human body brings the anatomy of the patient to life.

OTHER EVENTS AT THE CEC

- 3 Interprofessional Events
- 6 Faculty Development
- 6 Resident Simulation Day
- 15 Community Tours
- 2 Continuing Medical Education
THIRD AND FOURTH YEARS:
STATEWIDE CAMPUS (SWC)

In the third and fourth years, students are assigned to one of seven regions in the state where 24 hospitals serve as base sites for their medical education. Additionally, 40 other hospitals in the region serve as training sites for third- and fourth-year students.

Within the Statewide Campus, third-year students fulfill the majority of their core clinical rotations, which include eight weeks each of family medicine and internal medicine, plus four weeks each of general surgery, psychiatry, pediatrics, OB-GYN and emergency medicine. In the third year, students complete four weeks of an elective and four weeks of a Dean selective course.

During this time, WVSOM’s Rural Health Initiative provides students interested in rural medicine the chance to enhance and expand their rural rotation experiences. Students take advantage of international experiences through clubs and elective rotations.

In the fourth year, students are required to complete rotations of eight weeks each in surgery, internal medicine and family medicine. Additionally, students must complete four weeks of pediatrics and 10 weeks of electives. The fourth year may be completed at their current Statewide Campus site, another SWC site, or at an approved site of their choosing.

BENEFITS OF STATEWIDE CAMPUS
► Benefits for students

SWC provides students with an opportunity to see quality patient care provided in rural communities. The program also emphasizes the importance of establishing a strong doctor-patient relationship and seeing the importance of helping patients navigate the health care marketplace to receive the care they need.

► Benefits for West Virginia

When students complete their rotations in West Virginia, they are more likely to complete a residency in West Virginia and, ultimately, they are more likely to stay in West Virginia as physicians.

AN EXAMPLE OF OUR STUDENTS’ COMMUNITY INVOLVEMENT:
SOUTH CENTRAL REGION

In addition to their medical education, students in the South Central Region of WVSOM’s Statewide Campus system spent more than 100 hours in volunteer roles after the devastating floods that occurred in June 2016 in the Clendenin area of Kanawha County. These roles included cleanups, material distribution, food service and participation in a free medical clinic.
In order to better serve students, the Central region was split into the Central East and Central West regions.
In 2009, WVSOM formally established the WVSOM-Center for International Medicine and Cultural Concerns (CIMCC). CIMCC provides students the opportunity to participate in global medical training experiences while ensuring academic integrity.

During the 2016-17 school year, 46 students participated in a WVSOM approved international experience. WVSOM prides itself on producing first-class, dedicated primary care physicians, with its main mission focused on rural and primary care medicine for the residents of West Virginia and the Appalachian region. WVSOM also recognizes the importance of creating well-rounded, culturally sensitive physicians who are aware of global health issues.

Prior to 2009, less than three WVSOM students took part in an international rotation. In addition, the International Medical Club/PAX and the Christian Medical & Dental Association (CMDA) Club participated in medical service and medical mission trips during spring breaks. Since 2009, more than 350 students have participated in international medical experiences, largely in rural underserved areas.
WVSOM STUDENTS PARTICIPATED IN INTERNATIONAL MEDICAL EXPERIENCES

Rotation sites and number of students who visited sites between 2009-2017

353

WVSOM STUDENTS PARTICIPATED

- MEXICO: 25
- DOMINICAN REPUBLIC: 120
- GUATEMALA: 67
- NICARAGUA: 3
- ECUADOR: 27
- BOLIVIA: 1
- PERU: 27
- SIERRA LEONE: 21
- SOUTH AFRICA: 37
- INDIA: 8
- HIMALAYAS: 6
- VIETNAM: 3
- CAMBODIA: 1
- PHILIPPINES: 1
- REPUBLIC OF GEORGIA: 8
- BANGLADESH: 1
- REPUBLIC OF POLAND: 1
- GERMANY: 1
- ITALY: 1
- NETHERLANDS: 1
- REPUBLIC OF SOUTH AFRICA: 2
- REPUBLIC OF BOLIVIA: 1
- REPUBLIC OF ITALY: 1
- REPUBLIC OF NETHERLANDS: 1
- REPUBLIC OF INDIA: 1
- REPUBLIC OF HIMALAYAS: 1
- REPUBLIC OF CAMBODIA: 1
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- REPUBLIC OF CAMBODIA: 1
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RESEARCH

20 STUDENTS participated in research on campus during the summer of 2017

20 PEER-REVIEWED JOURNAL ARTICLES with faculty, staff and/or student authors* *The list can be found on page 22.

4 WVSOM STUDENT PARTICIPANTS in a pilot QA/QI training program

8 WVSOM STUDENT PARTICIPANTS in the CAMC Summer Research Externship Program

30 STUDENT AUTHORS of posters/meeting presentations

ANNUAL REPORT 2017
www.wvsom.edu
NEW RESEARCH AWARDS

$5,000  
(7/31/16 – 12/31/17)  
Reading Rate and Comprehension as a Predictor of Student Success in Medical Education, AACOM, PI  
– Machelle Linsenmeyer

$14,485  
(8/1/16 – 8/31/17)  
Barriers to Accurate Medication Reconciliation and Reducing Adverse Drug Events, WVCTSI Hope Grant, PI  
– Jill Cochran, sub award

$39,529  
(4/1/16 – 5/31/17)  
Linking macrophages to gut microbiota in obesity-enhanced colon cancer, NIH, joint grant with Univ. of South Carolina  
Cory Robinson is co-PI

RESEARCH GRANTS

CONTINUING AWARDS

$285,000  
(7/1/16 – 6/30/17, year five of five)  
WVCTSI grant: grant pass through from WVURC (NIH).  
Arnold Hassen

NON-RESEARCH GRANTS

$2,413  
(2/19/16 – 8/31/16)  
Just Say Know to Drugs: grant from West Virginia Department of Education and the Arts.  
Raeann Carrier

$10,000  
(7/1/16 – 7/30/17)  
Perinatal grant: grant from WVHEPC.  
Kathleen Martin

$10,000  
(7/1/16 – 6/30/17)  
Diversity grant: grant from WVHEPC.  
Rebecca Morrow

$650,000  
(7/1/16 – 6/30/20)  
Scholarships for Disadvantaged Students: grant from HRSA.  
Rebecca Morrow

$15,000  
(10/1/16 – 9/30/17)  
Substance Abuse Prevention and Treatment MOU/Grant: grant from Community Connections, Inc.  
Drema Mace and Haylee Heinsberg

$3,000  
(10/1/16 – 9/30/19)  
Office on Violence Against Women (OVW) grant: pass through grant from West Virginia Foundation for Rape Information and Services.  
Rebecca Morrow

$30,000  
(10/1/16 – 3/31/18)  
Rural Health Residency Grant: grant from WVHEPC.  
Patti Crawford and George Boxwell

$587,000 per year  
(7/1/15 – 6/30/17)  
WV Rural Health Initiative Program: grant from WVHEPC contract.

MSOPTI UPDATES

$30,000  
MSOPTI Rural Scholars received a grant from WVHEPC. The two-year grant supports 10 student rotations and four residency placements in West Virginia and MSOPTI residency programs.

MSOPTI’S 2017 RESEARCH DAY POSTER PRESENTATION WINNERS

1ST PLACE  
Glen Hayes, D.O., WVSOM 2015 grad; Patricia Southerly, D.O., WVSOM 2015 grad; and Adam Heinemann, D.O., MSUCOM 2015 grad. “Vasculitis — Is Cocaine the Culprit or is There More to the Story?”

1ST PLACE  

2ND PLACE  

3RD PLACE  

PEOPLE’S CHOICE CATEGORY:  

WVSOM TO THE SHARK TANK

Jill Cochran, Ph.D., Tina Plaugher, Greenbrier East High School engineering teacher Kevin Warfield and three GEHS students participated in the shark tank competition at the WVCTSI annual meeting.
PEER-REVIEWED JOURNAL ARTICLES

Community adaptations to an impending food desert in rural Appalachia, USA.
Miller, WC; Rogalla, D*; Spencer, D*; Zia, N*; Griffith, BN; Heinsberg, HB; Rural Remote Health; 2016, Oct.-Dec.; 16(4).

The evolution of vertical climbing in primates: evidence from reaction forces.
Hanna, JB; Granatosky, MC; Rana, P*; Schmidt, D; J Exp Biol.; 2017, June 15.

Bridging the gap: an osteopathic primary care-centered approach to Duchenne muscular dystrophy.

Osteopathic medical students entering family medicine and attitudes regarding osteopathic manipulative treatment: preliminary findings of differences by sex.
Baker, HH; Linsenmeyer, M; Ridpath, LC; Bauer, LJ; Foster, RW; J Am Osteopath Assoc.; 2017, June 1; 117(6):387-392.

Elevated interleukin-27 levels in human neonatal macrophages regulate indoleamine dioxygenase in a STAT-1 and STAT-3-dependent manner.
Jung, JY; Gleave, Parson M*; Kraft, JD; Lyda, L; Kobe, B*; Davis, C; Robinson, J; Peña, MM; Robinson, CM; Immunology; 2016, Sept.; 149(1):35-47.

Interruption of perivascular sympathetic nerves of cerebral arteries offers neuroprotection against ischemia.

Lee, RH; Couto, E; Silva, A; Lerner, FM; Wilkins, CS; Valido, SE; Klein, DD; Wu, CY; Neumann, JT; Della-Morete, D; Koslow, SH; Minagar, A; Lin, HW; American Journal Heart Circ. Physiology; 2017, Jan. 1; 312(1).

Crouching to fit in: the energetic cost of locomotion in tunnels.

Pedigree analysis: a team-based learning activity.
Thatcher, J; Canfield, P; Bauer, L; Griffith, BN; MedEdPORTAL Publications; 2017; 13:10557.

Heat shock proteins and cancer.
Wu, J; Liu, T; Rios, Z; Mei, Q; Lin, X; Cao, S; Trends Pharmacol Sci.; 2017, March; 38(3):226-256.

Knockdown of HSPA9 induces TP53-dependent apoptosis in human hematopoietic progenitor cells.
Liu, T; Krysiak, K; Shirai, CL; Kim, S; Shao, J; Ndonwi, M; Walter, MJ; PLOS ONE; 2017, Feb. 8.

Development and evaluation of a customizable electronic medical record for clinical outcomes research and patient engagement.
Miller, WC; Patton, J; Lally, P; Cusick-Lewis, J; Fitzpatrick, K; Heinsberg, H; International Journal of Medicine; 5 (1) (2017) (10-13).

Self-reported minimalist running injury incidence and severity: a pilot study.

High-grade undifferentiated pleomorphic sarcoma of the pelvis: A case report and review of literature.

Correlation between digit length ratios and risk factors associated with metabolic syndrome.
White, M; Jarrett, T; Komar, C; Journal of Metabolic Syndrome; 2017; 6(1).

Mouse preferential incising force orientation changes during jaw closing muscle hyperalgesia and is sex dependent.
Widmer, CG; Morris-Wiman, J; Physiology and Behavior; 167 (2016) 132-144.

Assessment of hospital staff’s knowledge of osteopathic manipulative medicine: a survey-based study.
Hippocampal neuronal damage following cerebral ischemia and mechanisms for neuroprotection

FACULTY: Jacob Neumann, Ph.D.
STUDENTS: Rinata Azizbayeva, Joshua Van Allen

Understanding the role of gene deletions and/or mutations in hematopoiesis

FACULTY: Tuonen Liu, Ph.D.
STUDENT: Raji Akileh

Role of serine threonine kinase interacting protein during rotavirus infection

FACULTY: Crystal Boudreaux, Ph.D.
STUDENTS: Madison Chase, Patricia Marthey

Barriers to accurate medication reconciliation and reducing adverse drug events

FACULTY: Jill Cochran, Ph.D., APRN, CFNP
STUDENT: Kayla Delmar

How stressed is stress? Genetically controlled vs environmentally controlled measures of growth

FACULTY: Courtney Eleazer, Ph.D., Rebecca Kelso, Ph.D.

Demographics and use of osteopathic manipulation treatment of spinal back pain in rural Appalachia

FACULTY: Abigail Frank, D.O.
RESIDENT: Anastasia Yi, D.O.
STUDENTS: Jennifer Bannister, Robert Tavares

Assessment of bone quality in 18-29 year olds

FACULTY: Carolyn Komar, Ph.D., Andrea Nazar, D.O., Laurie Bauer, D.O.

INVESTIGATING MUSCULAR DYSTROPHIES USING C. ELEGANS AS A MODEL ORGANISM

FACULTY: Predrag Krajacic, M.D.
STUDENTS: Christopher Carls, Ethan Stephens, Carl Bou-Abboud

AGING IN THE CNS, THE PATHOLOGY OF CHRONIC PAIN, TRANSITION TO ACUTE PAIN TO CHRONIC PAIN AND THE ROLE OF THE EXTERNAL MILIEU ON MUSCLE STEM CELL ACTIVATION AND MUSCLE REPAIR

FACULTY: Joyce Morris-Wiman, Ph.D.
STUDENTS: James Lawrence, Kelsey Full, Aamir Mohiuddin

LINKING MUSCLE ENERGY USE TO POWER PRODUCTION IN PRIMATES DURING LOCOMOTION, ENERGETIC COST OF FEEDING IN PRIMATES

FACULTY: Jandy Hanna, Ph.D.

GROWTH AND DEVELOPMENT OF THE JUVENILE SKELETON UNDER VARYING NUTRITIONAL AND HEALTH CONDITIONS

FACULTY: Rebecca Kelso, Ph.D.
STUDENT: Reina Lopez

CARDIORESPIRATORY FITNESS AND ACADEMIC ACHIEVEMENT IN MEDICAL SCHOOL STUDENTS

FACULTY: Jandy Hanna, Ph.D., Robert Pepper, D.O.
STUDENT: Andrea Freska

HIGH SCHOOL STEM EDUCATOR ANATOMY LAB EXPERIENCE

FACULTY: Karen Wines, MS
C. elegans as a model organism for investigating uric acid metabolism

FACULTY: Kristie Bridges, Ph.D., Predrag Krajacic, M.D.
STUDENTS: Trenton Ferguson, Jacob Helsel, David Marble

THE ROLE OF ENVIRONMENTAL FACTORS IN SHAPING HUMAN FUNCTIONAL ANATOMY AND SKELETAL MORPHOLOGY DURING GROWTH

FACULTY: Courtney Eleazer, Ph.D.

IMPROVING HPV VACCINATION RATES AT THE ROBERT C. BYRD CLINIC

FACULTY: Kristie Bridges, Ph.D., Jill Cochran, Ph.D., APRN, CFNP, Jandy Hanna, Ph.D., Shannon Bashlor, FNP, Robert C. Byrd Clinic
STUDENTS: Aditya Kesari, Seth Moomaw

BORRELIA GROWTH IN HUMAN SERUM

FACULTY: Cory Robinson, Ph.D.
STUDENT: Lindsey Kent

THE EFFECT OF LOCAL ESTROGEN TREATMENT ON THE VAGINAL MUSCULARIS IN A MODEL OF MENOPAUSE

FACULTY: Maureen Basha, Ph.D.
STUDENTS: Kelsi Rogers, Alyssa Gates

HCV KNOWLEDGE ASSSESSMENT IN A RURAL COMMUNITY: A STUDENT SURVEY PROJECT

FACULTY: Drema Mace, Ph.D.
STUDENT: Meghan Wilson, Samantha Smith, Stephen Zachary Cox

DEMOGRAPHIC AND CLINICAL CHARACTERISTICS OF PRIMARY CARE PATIENTS DISCHARGED FROM A RURAL HOSPITAL

FACULTY: Jill Cochran, Ph.D., APRN, CFNP
STUDENT: Stasy McCormick

DEMOGRAPHICS OF COLORECTAL CANCER SCREENING RATES

FACULTY: Maureen Basha, Ph.D., Rachel Johnson, D.O.
STUDENT: Aaron Hartkop

QUALITY IMPROVEMENT: DECREASING PATIENT CHECK-IN WAIT TIMES

FACULTY: Raeann Carrier, Ph.D.
STUDENTS: Garin Bergeson, Jacqueline Lamson
RURAL HEALTH INITIATIVE (RHI)

WVSOM’s RHI is answering the call for leaders in rural medicine.

2016-2017 FUNDING

The West Virginia Higher Education Policy Commission awarded WVSOM RHI a grant for $587,000.

RHI MISSION

The Rural Health Initiative’s mission is to enhance the rural primary care curriculum at the West Virginia School of Osteopathic Medicine in order to produce graduates uniquely qualified to practice medicine in rural/underserved communities of West Virginia.

2,736 TOTAL W.VA. ROTATIONS WERE COMPLETED BY WVSOM STUDENTS
1,394 RURAL W.VA. ROTATIONS WERE COMPLETED BY WVSOM STUDENTS

2,454 HIGH SCHOOL STUDENTS were introduced to rural medicine opportunities through RHI pipeline activities. This number includes 334 high school students who participated in a new program called CPR in Schools where WVSOM students taught high school students the steps necessary for CPR as well as encouraging a career in health care.

12 PRE-MED/UNDERGRADUATE STUDENTS participated in WVSOM’s RHI Green Coat Program, a pipeline program to support West Virginia students attending WVSOM.

15 RURAL PHYSICIAN MENTORS encouraged RHI students to participate in rotations that enhanced rural primary care, reinforced student interest in rural primary care practice and demonstrated the quality of life in a rural community.

LOCATION OF WVSOM RHI RESIDENTS AND GREEN COAT PROGRAM PARTICIPANTS

- WVSOM RHI Green Coat program participants
- WVSOM RHI residents accepted to primary care residencies in West Virginia.
During the 2016 recruitment cycle, WVSOM recruiters made 242 recruitment visits throughout the Southeast region and beyond. They met more than 3,000 prospective applicants during their travel. Throughout the state of West Virginia during the 51 visits to colleges/universities, recruiters saw 596 prospective applicants. Six community visits took place throughout the state of West Virginia at hospitals and various medical centers to recruit non-traditional students. Recruiters also participated in 18 national conference recruitment events and/or multi-COM events.

WVSOM hosted 154 students at three Open House events. Additionally, the admissions office provided 27 daily campus
tours and hosted 78 total participants throughout the year in small groups. At the annual Health Professions Advisors Conference, the school had 22 college advisors on campus. Ten of the advisors were first-time visitors to campus. Those advisors represented schools in states from West Virginia, Virginia, Maryland and Pennsylvania.

During the interview cycle, 525 students were interviewed. Of those interviewed, 435 students were accepted. In July of 2016, WVSOM enrolled 205 new students. The average MCAT for accepted students was a 500 and the average science GPA was a 3.4.

If the coat fits...
There’s nothing like finding the perfect fit. The same goes for applicants finding the right medical school.

806 TOTAL ON-CAMPUS CONTACTS

525 INTERVIEWS
WVSOM students hail from across the United States. The number of applications is strong each year. This past year, 4,995 students applied for approximately 200 available seats. WVSOM then makes mission-driven decisions based on each applicant’s academic success, their extra-curricular experiences and their passion to become an osteopathic physician.

**STUDENT DEMOGRAPHICS**

- **26%** 56 MINORITY STUDENTS
- **39%** 83 25 YEARS OR OLDER
- **214 total students in the first-year class**

**110 FEMALES**

- Compared to 102 (49%) in 2015

**104 MALES**

- Compared to 107 (51%) in 2015

www.wvsom.edu
HOME COUNTY OF 2016-2017 WVSOM STUDENTS

232 TOTAL STUDENTS
First year through fourth year
Map created 10/30/2017

27% OF WVSOM STUDENTS WERE FROM WEST VIRGINIA

HOME STATE OF 2016-2017 WVSOM STUDENTS

847 TOTAL STUDENTS
First year through fourth year
Map created 10/30/2017
COMMITMENT TO SERVING OTHERS

DEDICATION FOLLOWING DISASTER
WVSOM employees and students provided helping hands following floods.

THE FLOOD OF 2016
June 23, 2016

The WVSOM community contributed to relief efforts within days of flooding.

Employees and students donated TRUCK-LOADS OF GOODS

Items were distributed to:
- Rupert
- Alderson
- White Sulphur Springs
- Renick
- The United Way of Greenbrier Valley
- The Greenbrier County Humane Society

PARTICIPATION IN CLEAN-UP EFFORTS

MORE THAN $15,800 RAISED
The work toward healing and re-building after the disastrous flood began in the early days of the 2016-2017 fiscal year. The WVSOM family’s commitment to service and passionate care was evident in the early days of recovery, but also throughout the year.

Looking back over the year, we are thankful for WVSOM faculty, staff and students who helped residents and communities in West Virginia recover from the record rainfall that hit the southeastern and central portions of the state on June 23, 2016.

Within two days after the storm subsided, WVSOM employees and students began helping with general flood clean-up and collected and distributed multiple car and truck loads of donated items to Rupert, Alderson, White Sulphur Springs, Renick, the United Way of Greenbrier Valley and the Greenbrier County Humane Society. They also raised more than $15,882 according to Shannon Warren, WVSOM Alumni Association director. She, along with WVSOM employee Joyce Martin, helped coordinate the school’s flood relief efforts.

More than 200 student volunteers provided hands-on assistance to local residents throughout Greenbrier County during WVSOM Cares. A group of students assisted in flood recovery efforts in White Sulphur Springs and Rainelle by removing large household appliances and furniture and ripping out carpet and flooring covered in mud.

“We are a community and going into this profession means we want to help people in any way that we can,” said Ethan Stephens, then WVSOM Student Government Association president. “A lot of people lost homes and loved ones and we wanted to do what we could to alleviate the stress of dealing with that. I can’t even imagine having to go through something like that and losing everything you have. It was eye-opening.”
Faculty members were also involved in the recovery. According to Craig Boisvert, WVSOM vice president for academic affairs and dean, faculty members provided medical evaluations, Osteopathic Manipulation Therapy (OMT) and assistance to victims alongside the West Virginia National Guard.

Jill Cochran, Ph.D., an assistant professor in the Clinical Sciences Department, spent the entire weekend administering tetanus shots to victims and volunteers working in the flooded waters. Cochran’s son, who works for Fairmont Supply Company, an industrial cleaning distributor headquartered in Washington, Pa., coordinated an estimated $10,000 donation of cleaning supplies and water for impacted communities. The shipment arrived on the WVSOM campus and were allocated to community organizations for those in need.

WVSOM’s Robert C. Byrd Clinic, in cooperation with the school, received a donation of 200 pairs of Rocky brand mud boots that were provided to community organizations.

“I’m proud that our faculty, staff and students joined together to help the community members who are always supportive of WVSOM,” said Michael Adelman, D.O., president of WVSOM. “They once again demonstrated their passion to serve our community.”

The spirit of caring did not stop there. Throughout the year students made time in their busy schedules to care for people in the community. In WVSOM’s Day of Caring 2016, more than 200 students filled the need at 13 project sites, which included areas ravaged by the flood.

Bridgett Morrison, D.O. was one of the faculty administering tetanus shots to victims and volunteers.
STUDENT COMMUNITY SERVICE OVERVIEW

Many student clubs and organizations committed to the mission of serving others during the year. In fact, more than 300 students participated in community service for a total of 14,445 hours. Some clubs have weekly activities to help others. For example, members of the Alzheimer’s Club make almost weekly visits to local residents living with Alzheimer’s disease. They play music and games and have meaningful interactions with patients.

300+ STUDENTS participated in community service

14,445 TOTAL HOURS of service were logged

25+ CLUBS AND ORGANIZATIONS unite WVSOM students in volunteer efforts pertaining to their interests
OUR GRADUATE DEMOGRAPHICS
ALL SPECIALTIES

These maps show the total distribution of WVSOM graduates for all specialties throughout West Virginia and the United States by county and state, respectively.

GRADUATES FROM 1978-2013
PRACTICE IN WEST VIRGINIA

758
TOTAL GRADUATES

Map created 9/28/2016

GRADUATES FROM 1978-2013
PRACTICE IN THE U.S.

2,409
TOTAL GRADUATES

Map created 9/28/2016

31%
OF WVSOM GRADUATES ARE PHYSICIANS IN WEST VIRGINIA
The maps on this page illustrate WVSOM primary care physicians located in 48 of 50 states nationwide. In West Virginia, 46 counties have WVSOM graduates practicing primary care medicine.

**GRADUATES FROM 1978-2013 PROVIDE PRIMARY CARE IN WEST VIRGINIA**

594 TOTAL GRADUATES
Map created 9/28/2016

84% OF THE COUNTIES IN WEST VIRGINIA HAVE WVSOM GRADUATES PROVIDING PRIMARY CARE

**GRADUATES FROM 1978-2013 PROVIDE PRIMARY CARE IN THE U.S.**

1,662 TOTAL GRADUATES
Map created 9/28/2016

WVSOM primary care physicians located in 48 of 50 states nationwide. In West Virginia, 46 counties have WVSOM graduates practicing primary care medicine.
RURAL MEDICINE

The maps on this page show that WVSOM graduates practice medicine in rural areas all over the country but especially in Appalachia.

GRADUATES FROM 1978-2013 PRACTICE RURAL MEDICINE IN WEST VIRGINIA

385 TOTAL GRADUATES
Map created 9/28/2016

GRADUATES FROM 1978-2013 PRACTICE RURAL MEDICINE IN THE U.S.

783 TOTAL GRADUATES
Map created 9/28/2016

65% OF THE COUNTIES IN WEST VIRGINIA HAVE PHYSICIANS FROM WVSOM PRACTICING RURAL MEDICINE
GME/MSOPTI

Mountain State Osteopathic Postdoctoral Training Institutions, Inc. (MSOPTI) is an accredited graduate medical education training consortium consisting of WVSOM and affiliated training institutions.

SPECIALTIES

There are currently 150 D.O.s in MSOPTI programs. These include WVSOM graduates as well as graduates from other osteopathic medical schools across the nation. There are 105 (70%) D.O.s currently in either MSOPTI primary care residencies (family medicine, internal medicine, pediatrics) or traditional rotating osteopathic internships.

**MSOPTI 2016-2017**

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Medicine</td>
<td>33</td>
<td>(22%)</td>
</tr>
<tr>
<td>Family Medicine</td>
<td>53</td>
<td>(35%)</td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>38</td>
<td>(25%)</td>
</tr>
<tr>
<td>Internal Medicine and Emergency Medicine</td>
<td>3</td>
<td>(2%)</td>
</tr>
<tr>
<td>Neuromusculoskeletal Medicine + 1</td>
<td>2</td>
<td>(2%)</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>6</td>
<td>(4%)</td>
</tr>
<tr>
<td>Traditional Rotating Osteopathic Internship</td>
<td>5</td>
<td>(3%)</td>
</tr>
<tr>
<td>Urological Surgery</td>
<td>10</td>
<td>(7%)</td>
</tr>
</tbody>
</table>

The Accreditation Council for Graduate Medical Education (ACGME) and American Osteopathic Association (AOA) have been working together to ensure a smooth transition to the single accreditation system (SAS). AOA-approved programs and sponsoring institutions can now apply for ACGME accreditation, and must achieve ACGME Initial Accreditation by June 30, 2020. AOA will cease to accredit graduate medical education programs after this date.

MSOPTI, as an ACGME sponsoring institution, has submitted applications for all of its partner programs. At this time, all MSOPTI programs have achieved ACGME Pre-Accreditation or Initial Accreditation. All programs under MSOPTI ACGME sponsorship will be seeking Osteopathic Recognition (OR). Over half of these programs have achieved OR designation.
FINANCIAL OVERVIEW

The following is a summary of WVSOM’s financial strength as of June 30, 2017.

- **SOURCES OF REVENUE**
  - 72.6% Student tuition and fees
  - 15.4% State appropriations
  - 12% Other
  - 6.3% Investment income
  - 1.2% Auxiliary revenue
  - 3.7% Contracts and grants
  - 0.8% Misc.

- **OPERATING EXPENSES**
  - Total operating expenses for fiscal year 2017 were $43,015,422
  - 58.4% Salaries, wages and benefits
  - 28.2% Supplies and other services
  - 13.4% Other
  - Depreciation
  - Utilities
  - Loan cancellations and write-offs
  - Fees assessed by commission for operations

- **TOTAL INCOME RECEIVED (NOT PLEDGED) FOR THE FISCAL YEAR 2016-17 ONLY.**
  - $132,082
  - $123,074
  - $91,210

- **ADDITIONAL DONATIONS**
  - $346,366

- **CAPITAL CAMPAIGN**
  - $132,082
  - Total income received (not pledged) for the fiscal year 2016-17 only.

- **SOUTHEASTERN AREA HEALTH EDUCATION CENTER**
  - $123,074

- **ANNUAL FUND (5 FOR 5)**
  - $91,210
  - Total income received (not pledged) for the fiscal year 2016-17 only.
## Statement of Revenues, Expenses and Changes in Net Assets

**Year ended June 30, 2017**  
(in thousands of dollars)

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating revenues</td>
<td>37,616</td>
<td>35,400</td>
<td>34,428</td>
</tr>
<tr>
<td>Operating expenses</td>
<td>43,016</td>
<td>38,635</td>
<td>38,466</td>
</tr>
<tr>
<td><strong>Operating income</strong></td>
<td><strong>(5,400)</strong></td>
<td><strong>(3,235)</strong></td>
<td><strong>(4,038)</strong></td>
</tr>
<tr>
<td>Non-operating revenues - net</td>
<td>10,369</td>
<td>7,226</td>
<td>8,458</td>
</tr>
<tr>
<td>Increase in net assets</td>
<td>4,969</td>
<td>3,991</td>
<td>4,420</td>
</tr>
<tr>
<td>Net assets</td>
<td>127,585</td>
<td>123,594</td>
<td>119,174</td>
</tr>
<tr>
<td><strong>Net assets, end of the year</strong></td>
<td><strong>132,554</strong></td>
<td><strong>127,585</strong></td>
<td><strong>123,594</strong></td>
</tr>
</tbody>
</table>

## Growth of the Net Assets During the Last Three Years

**Year ended June 30, 2017**  
(in thousands of dollars)

<table>
<thead>
<tr>
<th>ASSETS</th>
<th>2017</th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current assets</td>
<td>61,001</td>
<td>56,074</td>
<td>62,025</td>
</tr>
<tr>
<td>Non-current assets</td>
<td>5,903</td>
<td>5,895</td>
<td>6,103</td>
</tr>
<tr>
<td>Capital assets</td>
<td>78,794</td>
<td>79,572</td>
<td>69,014</td>
</tr>
<tr>
<td><strong>TOTAL ASSETS</strong></td>
<td><strong>145,698</strong></td>
<td><strong>141,541</strong></td>
<td><strong>137,141</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LIABILITIES</th>
<th>2017</th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current liabilities</td>
<td>3,879</td>
<td>4,943</td>
<td>4,759</td>
</tr>
<tr>
<td>Non-current liabilities</td>
<td>9,264</td>
<td>9,013</td>
<td>8,551</td>
</tr>
<tr>
<td><strong>TOTAL LIABILITIES</strong></td>
<td><strong>13,143</strong></td>
<td><strong>13,956</strong></td>
<td><strong>13,310</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NET ASSETS</th>
<th>2017</th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invested in capital assets</td>
<td>78,794</td>
<td>79,572</td>
<td>69,014</td>
</tr>
<tr>
<td>Restricted - expendable</td>
<td>10,679</td>
<td>10,298</td>
<td>9,170</td>
</tr>
<tr>
<td>Unrestricted</td>
<td>43,082</td>
<td>37,715</td>
<td>45,410</td>
</tr>
<tr>
<td><strong>TOTAL NET ASSETS</strong></td>
<td><strong>132,555</strong></td>
<td><strong>127,585</strong></td>
<td><strong>123,594</strong></td>
</tr>
</tbody>
</table>

As the data shows, WVSOM's financial position improved during this period. Total assets grew from $142M to $146M during the previous year, while total liabilities decreased by approximately $813K, resulting in a $5M increase in net assets.

**RATIO OF CURRENT ASSETS**

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15.73:1</td>
<td>11.35:1</td>
</tr>
</tbody>
</table>

The 2017 ratio increased due to completion of construction activities.
NEW EXECUTIVE DIRECTOR JOINS CRCH

Drema Mace, Ph.D., joined the CRCH in November 2016. Mace has a Doctor of Philosophy in Human Services with a specialization in Health Care Administration and a Master of Science in Public Service Management. Mace's public health career spans four decades. She began her career at the West Virginia Bureau for Public Health in the Office of Maternal, Child and Family Health. Throughout her 22-year career with the Bureau she held the positions of HIV/AIDS program director, State Office of Rural Health Policy director, Office of Emergency Medical Services director, Office of the Chief Medical Examiner administrative director and Office of Community Health Systems Associate director.

Mace served 14 years of her career in Nashville, TN, first as the section chief of the Tennessee Department of Health HIV/AIDS/HCV Section and later as the chief executive officer of Vanderbilt University’s Nashville Health Management Foundation and Comprehensive Care Center, one of the largest infectious diseases clinics in the country.

Mace returned to her home state of West Virginia in 2010. Prior to her position at the West Virginia School of Osteopathic Medicine, she was the executive director of the Mid-Ohio Valley Health Department, a six-county regional health office in Parkersburg, W.Va.
MAJOR PROJECTS

CRCH PROJECTS AND PROGRAMS

► Participated on Governor’s Substance Abuse Task Force.
► Developed, produced and disseminated a toolkit to address the opioid epidemic in Greenbrier County, in partnership with the Greenbrier County CARxE Coalition.
► A Community Forum took place in June 2017 to involve community, health care providers and stakeholders in discussion relative to the opioid crisis in the state and county. Approximately 90 people attended.
► Operationalized the Substance Abuse Prevention and Treatment (SAPT) grant for Community Connections, Inc.
► The Try This Greenbrier Valley Networking Gathering took place on campus at the Student Center and approximately 80 people attended from around the region.
► Engaged clinical researchers and students in 16 QA/QI & research projects and partnered with the RCBC to engage in research through the WV Practice-based Research Network.
► Completed all requirements of the five year West Virginia Clinical and Translational Science Institute (WVCTSI) grant and received another five years of WVCTSI funding.

GREENBRIER COUNTY HEALTH ALLIANCE: A MODEL FOR COMMUNITY ENGAGEMENT

► Working within eight Greenbrier County communities to develop leadership (ambassadors) and build capacity for healthy change.
► Support, fund and evaluate eight ambassador mini-grant projects in Greenbrier County communities.
► Partnership development and implementation of “Gleaning for Seniors” project.
► Development of countywide interactive calendar of events that promote community engagement.
► Women of the Week posts that highlight women engaged in healthy community change.
► Program planning and support for local food initiative, opioid prevention and early childhood development.
1. SHOW

WVSOM’s Healthy Children’s Initiative made great strides this year. The television series, *Abracadabra*, was nominated for an EMMY® Award in the Ohio Valley Region in the Children/Youth/Teens category.

The series began airing season five in West Virginia this year and the episodes focused on topics such as bullying, ignoring friends and family, eating healthy vegetables, responsibility and allergies.

*Abracadabra* is also expanding beyond the West Virginia viewership. The distribution process for airing the series in Ohio and Florida has begun.

2. OUTREACH: *ABRA LIVE!*

Cast member events in rural elementary schools and community centers entertained children and reinforced the key elements of healthy living through music, magic, games and science experiments.

This past year, *Abra Live!* presentations to schools and community events reached 1,385 children.

Since the program’s inception, **14,000+ STUDENTS** have been encouraged to make healthier choices through HCI.

Cast and crew members gather to celebrate at the EMMY® Awards dinner in the Ohio Valley Region.

Throughout 2016-2017, **1,385+ STUDENTS** experienced *Abra Live!"*
3. OUTREACH: ABRA CLASSROOM

Cast members from the Abracadabra TV show visited individual elementary school classrooms to bring healthy choices to life in a small group setting and introduce science in a fun and interactive way.

The outreach efforts had an increase in participants. Since the program’s inception, more than 14,000 students were encouraged to make healthier choices through HCI.

Abracadabra completed three years of outreach for kindergarten through fifth grade students. The end of year evaluations reflect an 89 percent retention rate of the program’s content.

4. RESOURCES

WEBSITE/SOCIAL MEDIA
The show’s website, www.abracadabra.org, offers children ages 4-10 games and activities designed around health and nutrition. Additional content is available for parents and teachers.

PUBLICATIONS
Activity books and other materials introduce young children to the transformative power that comes from making healthy choices.
The WVSOM Alumni Association experienced unique highlights from July 1, 2016–June 30, 2017.

During the month of July, the Alumni Association raised more than $15,000 and worked with students to provide relief to those affected by the devastating floods that ravaged West Virginia communities. Cleaning supplies and bottled water were given to students who volunteered in the affected areas to help with cleanup and provide comfort to so many who lost so much.

March saw the Alumni Association host its first-ever bluegrass concert fundraiser. International Bluegrass Music Association 2016 Songwriter of the Year Donna Ulisse and the Poor Mountain Boys showcased their stylized vocal and instrumental prowess in their performance in the Conference Center located in the WVSOM Student Center.

In the month of December, the Alumni Association sponsored an ultrasound workshop for students, teaching them a skill they will carry forward the rest of their careers.

“Knowing our alumni are willing to give back to support student education makes me grateful and proud to be part of the WVSOM family.” — RYAN GRANT, OMS II

ALUMNI TOWER DONATIONS (as of June 30, 2017)

<table>
<thead>
<tr>
<th>35K</th>
<th>30K</th>
<th>25K</th>
<th>20K</th>
<th>15K</th>
<th>10K</th>
<th>5K</th>
</tr>
</thead>
<tbody>
<tr>
<td>$33,542</td>
<td>$30,966</td>
<td>$8,331</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOWER DONATIONS TO DATE

$111,950.39

WHITE COAT CLUB (as of June 30, 2017)

<table>
<thead>
<tr>
<th>7K</th>
<th>6K</th>
<th>5K</th>
<th>4K</th>
<th>3K</th>
<th>2K</th>
<th>1K</th>
</tr>
</thead>
<tbody>
<tr>
<td>$6,800</td>
<td>$6,760</td>
<td>$3,460</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CME ATTENDEES (as of June 30, 2017)

<table>
<thead>
<tr>
<th>MID-WINTER</th>
<th>2017</th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>282</td>
<td>$69,018.16</td>
<td>$66,195.57</td>
<td>$59,461.44</td>
</tr>
<tr>
<td>SUMMER</td>
<td>173</td>
<td>$30,904.85</td>
<td>$21,574.57</td>
</tr>
</tbody>
</table>
During the year, the Alumni Association initiated a strong membership drive by inviting alumni to become Life Members before membership fees increased from $500 to $750. Together with the funds raised through the Summer Seminar, D.O.c-tacular II and Mid-Winter Seminar, this has been an outstanding year.

**WVSOM ALUMNI HIGHLIGHTS**

**CLASS OF 1979**

*Steve Richman, D.O.*, created “My Hometown Doctor Fund,” a fund with the Hinton Area Foundation that offers financial help to area students who wish to attend WVSOM and return to Summers County, W.Va., to practice medicine. The fund’s first award recipient is Nick Bennett, who is in this year’s WVSOM Class of 2021.

**CLASS OF 1985**

*Darby Hand, D.O.*, completed his 15th year as the medical officer for the Pennsylvania State Police Department and is also the aviation medical examiner who provides care for the pilots within the department.

*Karen Montgomery-Reagan, D.O., FACOP*, was awarded the Harold H. Finkel, D.O. and Arnold Melnick, D.O. Community Pediatrician of the Year Award from the American College of Osteopathic Pediatricians (ACOP) at the 2017 Spring Conference in Louisville, Ky.

*Keith Speed, D.O.*, received a promotion to professor of clinical sciences and family medicine at William Carey University College of Osteopathic Medicine. He was also named the chair of family medicine at WCUCOM.

**CLASS OF 1987**

*Rickey Chance, D.O.*, completed a six-year term appointed by the Mississippi governor on the Mississippi Board of Medical Licensure. Chance was one of two D.O. members on this combined allopathic/osteopathic board.

**CLASS OF 1988**

*Paula Gregory, D.O.*, was named dean of the Kansas City University of Medicine and Biosciences’ new osteopathic medical school in Joplin, Mo.

**CLASS OF 1992**

*Col. David Romine, D.O., MPH*, is command surgeon for the U.S. Army Combat Readiness Center (USACRC) in Fort Rucker, Ala., and provides worldwide 24/7 medical and human factors oversight and continuity for all accidents investigated and reviewed by USACRC and headquarters, Department of the Army and the Pentagon. In October 2016, he was part of an assessment team from USACRC who traveled to Ukraine and helped advise Ukrainian Armed Forces and NATO partners training there.

Previously, Col. Romine served as CENTCOM Surgeon-Forward in Jordan and as unit flight surgeon for multinational expeditionary and operational forces in Iraq and Afghanistan during both Operation Iraqi Freedom and Operation Enduring Freedom. In addition to aerospace medicine, Col. Romine is an adjunct faculty member for aerospace medicine residencies in the Army where he teaches traditional osteopathic medicine and has an osteopathic specialty clinic.

**CLASS OF 1997**

*Tiffany Jessee-Wylie, D.O.*, was awarded the 2015 HCA Frist Humanitarian Award for her involvement with a primary care mission trip that she leads to Honduras every year. Jessee-Wylie is a general/bariatric surgeon and is the director of bariatric surgery for the Florida Bariatric Center at Largo Medical Center in Largo, Fla.

*Col. Jennifer L. Ravenscroft, D.O., MC* is in the U.S. Air Force, stationed at Randolph Air Force Base near San Antonio, Texas. Ravenscroft is a medical adjudicator, Air Force Personnel Center (AFPC). During the most recent meeting of the Association of Military Osteopathic Physicians and Surgeons (AMOPS) in April, Ravenscroft was elected first vice president.

**CLASS OF 1998**

*Karen Snider, D.O.*, was named to the AACOM National Academy of Osteopathic Medical Educators (NAOME) Fellows. As fellows, inductees function as leaders and mentors for academic scholarship and excellence within the osteopathic community. Snider was also elected to the Board of Governors of the American Academy of Osteopathy. She was one of three osteopathic physicians from around the country to be elected as a governor of the largest medical society devoted to fostering neuromusculoskeletal medicine and osteopathic manipulative medicine. Snider will serve a three-year term.

**CLASS OF 2008**

*Richard Fogle, D.O.*, is serving on the Allegheny Health Network Hospitals Physician Advisory Board along with AHN CEO and CMO. Fogle is the only D.O. currently on the board. This network of hospitals operates out of Pittsburgh, Pa.

*Dennis C. Mays, D.O.*, has achieved fellow status in the American College of Osteopathic Emergency Physicians and was honored in November 2017 at the Scientific Assembly.

**CLASS OF 2011**

*Preston Gardner, D.O.*, completed general surgery residency at Beaumont Hospital in Farmington Hills, Mich., and was accepted into the Plastic and Reconstructive Fellowship at Beaumont Hospital. Gardner won first place at the 2015 American College of Osteopathic Surgeons Conference poster presentations and has a scientific research publication. He is conducting a clinical research trial at Beaumont Hospital in Farmington Hills, Mich.

**CLASS OF 2012**

*Jason Palmer Mader, D.O.*, is a third-year resident in the department of internal medicine and was selected as the April 2016 Resident of the Month at the Marshall University Joan C. Edwards School of Medicine. Having finished the internal medicine residency in June, Mader has begun a three-year cardiology fellowship at Marshall University.

**CLASS OF 2013**

*Courtney Walker, D.O.*, has been selected as the child and adolescent psychiatry chief at UPMC Western Psychiatric Institute and Clinic for the 2017-2018 academic year.

**CLASS OF 2015**

*Jason Green, D.O.*, was named chief resident for the 2018-2019 academic year at State University of New York-Downstate internal medicine residency program.

*Thanks to our wonderful alumni!*
The former 5 for 5 Campaign transitioned into the new Annual Fund during the last fiscal year. This expanded annual giving opportunity will still provide donor recognition through leaves, acorns and foundation rocks on the “Donor Tree” located in the Technology Center Building, but it also now offers partnership opportunities for corporate partners who wish to support WVSOM with even larger contributions. Every Annual Fund gift supports two components: 75 percent goes to unrestricted funds and 25 percent goes to build the recently named “Cheryl and Michael Adelman Endowment,” which establishes reserves for future support. The endowment was named to honor the foresight, leadership and commitment of Drs. Adelman, who began the 5 for 5 Campaign with their own substantial contribution to establish an annual giving vehicle for WVSOM a number of years ago. Two young alumni, Dr. Angela Pendleton and Dr. Michael Antolini, both of the Class of 2012, stepped forward to chair the 2017 “Let’s Get Growing” Annual Fund Campaign with a goal of raising $100,000 in the calendar year of 2017. The campaign kicked off with a $10,000 matching gift, and has been enhanced by several corporate partnerships with five-year commitments. Current partners include Little General Stores, Haven Ltd., Davis Eye Center, The Manchin Clinic, West Virginia Osteopathic Medical Association, West Virginia State Medical Association, Premier Bank and BB&T. As of June 30, 2017, the campaign had raised nearly $80,000 toward the annual $100,000 goal to be completed in December of 2017. The unrestricted portion of the Annual Fund supports activities such as student mission trips, extracurricular learning activities and conferences, guest lecturers and areas of greatest need. It is also used to supplement scholarships and provide resources for the Student Emergency Fund.
were made from two existing endowments for the first time this year. Two scholarships were awarded from the John and Nancy Chambers Memorial Scholarship Fund and one award was given from the endowment established by the West Virginia State Medical Association Alliance. In an effort to increase contributions to existing scholarship endowments, the foundation also created individual “scholarship cards” describing the details of each endowment and how to make additional gifts. The WVSOM Foundation board continues to focus on increasing scholarship dollars for students as the foundation’s number one priority, and hope this positive momentum will increase in the coming year and beyond.

**PLANNED GIVING**

$97,000 RECEIVED

The WVSOM Foundation established an opportunity for donors who wish to make a significant charitable gift to WVSOM during their life or at death as part of their financial or estate plan. This can be accomplished through a number of options, including gifts of appreciated stock, which could provide tax advantages to donors and/or their beneficiaries. This year, the WVSOM Foundation received more than $97,000 because of an estate gift.

Anyone interested in discussing the various individual options for planned gifts may contact Heather Antolini at 304-647-6374.

**TOTAL FUNDS UNDER MANAGEMENT**

Total funds under management grew from $35,878,099 at the end of the last fiscal year (June 30, 2016) to $44,001,312 as of June 30, 2017. This includes custodial monies invested on behalf of the school. However, funds managed by the foundation outside the WVSOM investment agreement grew from $5,453,230 to $7,373,685 during this fiscal year, representing a growth rate of 35 percent, thanks to new donors and strong investment returns.

**Funds Outside the WVSOM Investment Agreement**

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<td>$5,453,230</td>
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<td>growth rate</td>
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This has been the new Student Emergency Fund, which has provided nearly $10,000 this year in support for individual students experiencing personal emergencies. This fund was established to assist individual students who experience personal tragedies creating a need for emergency financial assistance. In order to grow this fund on a continuing basis, the WVSOM Foundation is dedicating all receipts from Amazon Smile and Kroger Community Rewards to the Student Emergency Fund. Both Amazon Smile and Kroger Community Rewards are programs whereby customers can sign up for free to dedicate a percentage of their purchase to be given to their favorite charity, the WVSOM Foundation. It costs the individual customer nothing, but provides a great benefit to WVSOM students. All a customer needs to do is register online, and every time they shop after that, a portion of what they spend is sent to the WVSOM Foundation.

Anyone interested in registering can contact the WVSOM Foundation office at 304-793-6852 or 304-647-6374.

**STUDENT SUPPORT**

The WVSOM Foundation enjoyed several opportunities to provide direct support to students this year. In addition to providing funds to support students who attended the annual “D.O. Day on the Hill,” in Washington, D.C., the foundation also secured resources to purchase medical supplies for the PAX Club’s annual mission trip, sponsored the Grand Affair, and assisted several students who represented WVSOM at national conferences, just to name a few. In addition, the WVSOM Foundation sponsored its third annual “Money Matters for Medical Students,” an educational event to provide students with resources and tools for responsible financial management. The annual event has proven so successful that it will be officially integrated into the curriculum for the coming year.

However, the most meaningful and rewarding program toward student support has been the new Student Emergency Fund, which has provided nearly $10,000 this year in support for individual students experiencing personal emergencies. This fund was established to assist individual students who experience personal tragedies creating a need for emergency financial assistance. In order to grow this fund on a continuing basis, the WVSOM Foundation is dedicating all receipts from Amazon Smile and Kroger Community Rewards to the Student Emergency Fund. Both Amazon Smile and Kroger Community Rewards are programs whereby customers can sign up for free to dedicate a percentage of their purchase to be given to their favorite charity, the WVSOM Foundation. It costs the individual customer nothing, but provides a great benefit to WVSOM students. All a customer needs to do is register online, and every time they shop after that, a portion of what they spend is sent to the WVSOM Foundation.

Anyone interested in registering can contact the WVSOM Foundation office at 304-793-6852 or 304-647-6374.

**OTHER ACTIVITIES**

Other WVSOM Foundation activities included the third annual “Thank-a-Thon” to express the foundation’s gratitude to the many donors who have supported WVSOM and its students during the last year. Under the leadership of the Foundation Student Committee, students spent the day making personal phone calls to more than 500 individual donors just to say “thank you” and tell them how their gifts have made a difference in the experience of students. The WVSOM Foundation was also pleased to assist the WVSOM Alumni Association with sponsoring the family picnic at the WVSOM Summer Seminar at Myrtle Beach, S.C. in June.
Pledges and payments increased as construction was completed on the new Student Center. Receipts to date for the campaign have exceeded the $1 million mark. New pledge commitments for the naming of five rooms and contributions to both the Clinical Evaluation Center and the Student Center facilities were received this year, but a number of opportunities are still available, including several new rooms that have been added to the list.

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Drs. Rafael and Letetia Villalobos

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**Standardized Patient Lab 22**
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Class of 2003

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TOTAL GOAL
$1,745,000

RECEIVED
$528,917

OUTSTANDING
$161,083

COMMITMENTS NEEDED
$1,055,000

www.wvsom.edu
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