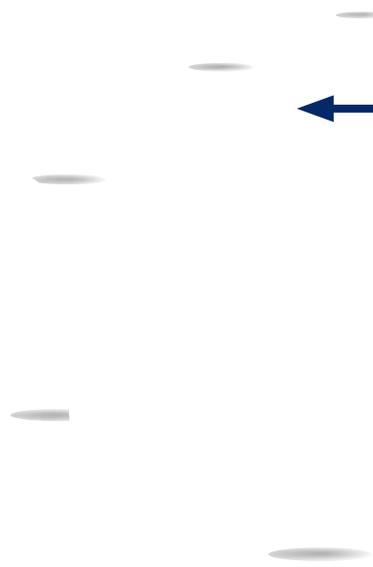# 2015

Annual

Report

Navigating this Document

On your tablet or mobile device: (*this document is best viewed with Adobe Reader*)

← All of the numbers in this document are buttons that you can use to navigate to the corresponding Critical Issues 1–6.

Additionally, the right-hand sidebar of each page contains buttons that you can use to navigate through the document. →

Links in this document to additional information on the AACP Website (or other external Websites) will appear underlined:

2014 Annual Meeting

Additional content that can be accessed will be indicated with a blue triangle:

◄ Click on the image at left to view *The Future of the Health Care Marketplace: Life in the Gap and Life in the Game* on AACP's YouTube channel (*internet connection required*)

On your desktop:

This document is best viewed with Adobe Acrobat Reader.
Some of the added navigation may not function properly in other PDF readers.

All of the buttons indicated above will work with mouse clicks.

Human Resources for Education, Research and Service

How does AACP assist members in attracting, motivating, developing and retaining the highest quality and most diverse faculty, students, administrators and professional staff?

Academic Resources and Program Quality

How do we facilitate members having the necessary resources to advance their institutional missions and achieve the highest quality programs that exceed the standards of accreditation bodies?

Professional Practice Development

How do we help fully integrate pharmacists into the rapidly changing health care environment and prepare our faculty and students to understand and fulfill those roles?

Advocacy

How do we strategically position AACP to carry out its advocacy agenda to build recognition of our members' contributions to the health of the public?

Research and Scholarship

How do we impact academic pharmacy's ability to strengthen research and other scholarship in practice, education and the pharmaceutical, administrative, translational and clinical sciences?

AACP Financial Resources and Infrastructure

How do we ensure that the organization has the financial resources short-term (one to three years) and long-term and the necessary infrastructure to support the mission and vision?

Message from the President and the Executive Vice President & CEO

Patricia A. Chase, Ph.D.
President, AACP
Gates Wigner Dean
West Virginia University
School of Pharmacy

Lucinda L. Maine, Ph.D., R.Ph.
Executive Vice President and CEO
AACP

Access, affordability and accountability. These were the watchwords for AACP's priorities during the past year, and they remain essential ingredients of success for our members. Higher education institutions at all levels are being challenged to address these issues, and pharmacy programs are not immune. And these same forces are part of the pressure confronting our practice partners. It is the perfect storm, or as we prefer to say in West Virginia—a whitewater ride!

Programmatically, AACP has focused this year on three areas that aim to help members address their own "As"—continuing our educational innovation, harnessing our knowledge assets and enhancing the effectiveness of our communications. In addition, our standing and special committees each looked at elements of access, affordability and accountability as they completed work on the series of 2014–15 committee reports. We commend them and this annual report to your reading and discussions at your institutions.

Educational Innovation: AACP launched Professions Quest in 2014 to develop serious educational games, implementing recommendations from the 2014 Academic Affairs Committee. The first game, Mimycx, now offers two quests aimed at increasing access to expanded learning specifically for interprofessional education (IPE). The core competencies embedded in each scenario, or quest, are built upon those released in 2011 by the IPE Collaborative, of which AACP is a founding partner. AACP plans to produce new quests approximately every six to eight weeks.

Knowledge Management: AACP and its members continuously produce volumes of valuable information. The challenge is harnessing the wealth of content and making it more accessible to members and other key stakeholders. Doing so will decrease costs of operations for members by reducing duplicative efforts and streamlining teaching, research and service activities. This also translates into increased ease of addressing the new accreditation standards released in February by ACPE.

Enhanced Communications: Innovation in education and enhanced access to our knowledge assets fuels improved communications with both internal and external audiences. It will also make our work more visible to those outside the academy, stimulating new partnership opportunities. Substantial effort has been invested in strengthening the AACP "brand" and developing a positioning and messaging framework, as well as enhancing existing communications vehicles such as *American Pharmacy Now*. All of these efforts aim to make pharmacy education and the profession an even more appealing target for future students and faculty.

There has never been a more exciting time to be part of the profession of pharmacy. While change comes with challenges, it also represents opportunities. The opportunities available for our graduates to make significant contributions to healthcare—that offer consumers greater access to higher quality with more affordability—have never been greater.

Critical Issue 1
Human Resources for Education, Research and Service

How does AACP assist members in attracting, motivating, developing and retaining the highest quality and most diverse faculty, students, administrators and professional staff?

1

ALFP (Academic Leadership Fellows Program)

The 10th anniversary celebration of the ALFP Program was held during the 2014 Annual Meeting. All 300 Fellow graduates were invited to attend and be recognized. Currently we are enrolling our 12th cohort. Each cohort benefits from the intense efforts of the ALFP advisory committee, dedicated pharmacy leaders and AACP staff, who continuously improve and refine the leadership development programming provided to these future leaders.
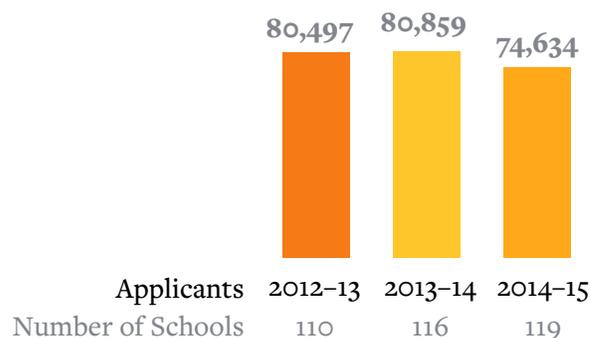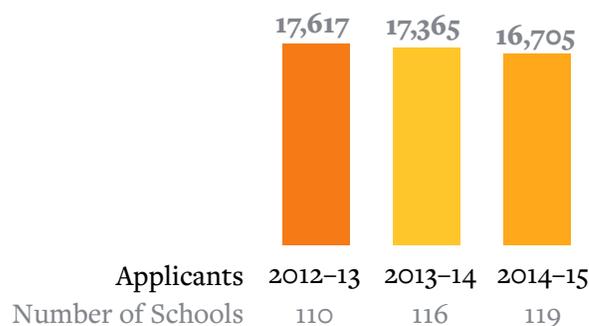
Walmart Scholars Program

The AACP Walmart Scholars Program continues to focus on developing future faculty. The program brings students to the AACP Annual Meeting to strengthen their commitment to an academic pharmacy career.

The number of scholarships continued at 85 in 2014. (Walmart supports the majority of the scholarships, and AACP provides support for 10 scholarships.) This brings the total number of recipients during the program's 10-year history to more than 600.

PharmCAS Applicants and Applications

The Pharmacy College Application Service (PharmCAS) completed its twelfth cycle this year with 119 participating PharmD programs. For the first time ever, graduate programs in the pharmaceutical sciences were invited to participate in PharmCAS and in the pilot year 12 graduate programs participated. In the 2014–15 admissions cycle, PharmCAS experienced a 3.8% decrease in the number of applicants and a 7.7% decrease in the number of applications submitted, with an average of 4.30 applications per applicant, which is a 7.5% decrease from the previous year. The accompanying tables display additional data. Promoting student diversity and access to pharmacy education, AACP continued the PharmCAS fee waiver program for financially disadvantaged applicants

	17,617	17,365	16,705
Applicants	2012–13	2013–14	2014–15
Number of Schools	110	116	119

	80,497	80,859	74,634
Applicants	2012–13	2013–14	2014–15
Number of Schools	110	116	119

IPEC Institutes

The Interprofessional Education Collaborative (IPEC), of which AACP is a founding organization, hosted two faculty development institutes: fall 2014 and spring 2015. *Interprofessional Education: Building a Framework for Collaboratio*n was the focus of the October 2014 program and the May 2015 program concerned *Building Interprofessional Education for Population Health*. Attendees discussed the fundamentals of interprofessional education, listened to practice experts, participated in team-based activities and identified faculty development opportunities that will improve public health. A total of 65 institution-based teams of three to five professionals, representing more than 30 disciplines, participated in the institutes, both held in Herndon, Va. Each team represented various facets of healthcare, including pharmacy, dentistry, medicine, nursing, osteopathic medicine and public health.

AACP Exhibit Strategy

The AACP exhibit program continues to provide key support for faculty recruitment initiatives. During the past year, AACP exhibited at three national meetings (ACCP, APhA and ASHP) and six regional meetings (APhA Mid-year Regional Meetings). The booth promoted not only the benefits of AACP membership, but also the rewards that come from a career in academic pharmacy.

Staff members evaluated the exhibit strategy to ensure we are showcasing our programs, products and services to the appropriate audiences. We determined that we will:

- Continue to exhibit with our booth each year at ASHP and APhA for purposes of recruitment, member engagement, student outreach etc.

- Review and evaluate other organization/association meetings to determine if we should exhibit and with what type of exhibit (booth, table display, or other event)

- Create a booth deployment process: Determine what AACP programs and products are the best fit for each meeting, which staff should attend, etc.

- Begin to make the booth more interactive and to better use technology.

Critical Issue 2
Academic Resources and Program Quality

How do we facilitate members having the necessary resources to advance their institutional missions and achieve the highest quality programs that exceed the standards of accreditation bodies?

2

Global Pharmacy Education

AACP and our members collaborate with pharmacy educators around the globe in a variety of ways. The Association maintains organizational membership in the International Pharmaceutical Federation (FIP) which is planning a global congress on pharmacy and pharmaceutical sciences education in China in November 2016. EVP Maine serves on the planning committee for the congress.

AACP is a founding member of the [Global Alliance for Pharmacy Education](#), which fosters partnerships between other associations of colleges/faculties of pharmacy around the world. This includes Asia, Canada, Europe, India, Spain and South American countries, and several countries in Africa. AACP staff presented programs at the European Association of Faculties of Pharmacy and the Asian Association of Clinical Pharmacy in 2015.

Women's Health Curriculum

To provide members with resources to support their teaching of women's health topics, a task force, in collaboration with the FDA, developed a curricular framework that outlines core competencies and performance-based learning objectives. This year, a working group created modules focused on key topics in women's health. The units include suggested outcomes, activities, team-based leaning activities, cases and labs for the following topics:

- Contraception
- Fertility
- Menopause
- Osteoporosis
- Polycystic ovary syndrome
- Pregnancy and lactation

Members are encouraged to utilize these resources in dedicated courses on women's health or in conjunction with other pharmacy courses.

AAMS (Assessment and Accreditation Management System)

With the release of ACPE Standards 2016 AACP has begun the process of enhancing AAMS for the new Standards:

- With the help of an AACP-ACPE Advisory AAMS Committee, Virtual Atlantic was selected as our new AAMS vendor.

- The enhanced and updated version of AAMS will be released late 2015

Award for Excellence in Assessment

The [Award for Excellence in Assessment](#) recognizes outstanding Doctor of Pharmacy assessment programs for developing and applying evidence of outcomes as part of the ongoing evaluation and improvement of pharmacy professional education. The 2015 award recipients are:

- **Ashley Castleberry, Pharm.D., MAEd,** University of Arkansas for Medical Sciences, "CHARMing Feedback in Authentic Assessment"

- **Nicia Lemoine, M.S.,** Concordia University Wisconsin, "An Embedded Assessment: A Three Step Model of Continuous Improvement"

- **Beth Martin, Ph.D.,** University of Wisconsin-Madison, "Outcome Tracker, A System of Embedded Assessments"

Innovations in Teaching Competition

Each year, the [Innovations in Teaching Competition](#) acknowledges notable teaching and learning strategies and assessment methods.

The 2015 awardees are:

- **Marshall Cates, Pharm.D.,** Samford University, "Innovative Course: Mental Illness and Treatment in the Movies"

- **Shannon Reidt, Pharm.D., MPH, Kristin Janke, Ph.D., Keri Hager, Pharm.D., and Jim Beattie, MLIS,** University of Minnesota, "When Drug Literature isn't Enough: Implementing a Longitudinal Evidence-Based Medicine (EBM) Sequence with a First Year Milestone EBM Assessment"

- **Philip Empey, Pharm.D., Ph.D.,** University of Pittsburgh, "PGx Test2LearnTM: Advancing Pharmacogenomics Education in the Core Pharm.D. Curriculum Through Student Personal Genomic Testing"

Honorable Mention:

- **Craig Cox, Pharm.D.,** Texas Tech University Health Sciences Center, "Behind the Numbers of a Preceptor Mini-Series: A Proven Approach to Preceptor Development"

- **Lauren O'Donnell, Ph.D.,** Duquesne University, "The Emerging Microbe Project: Synthesis of Microbial Identification and Clinical Case Studies in an Infectious Disease Course"

2014 Annual Meeting

2,149 attendees engaged in Pharmacy Education 2014, which took place in Grapevine, Texas last July. The meeting was an opportunity to connect with pharmacy faculty, staff and students. The conference attracted participants from around the world, as attendees came together for an exciting and enriching program focused on professional growth and development. Programs offered cutting-edge information about pharmacy education in our new era of healthcare delivery, innovation and digital technology, provided practical applications for educators and practitioners, and resources that support their work. In addition, the Academic Leadership Fellows Program (ALFP) celebrated its 10th anniversary on this platform. ALFP past and present cohorts raised $14,075 to support their alumni events.

With the support of several other generous sponsors, AACP was able to successfully provide new programs, products and services including: expanded number of mini-sessions, a new Web event app and online community engagement platform, and the R&R Lounge. 2014 sponsors were the following: AACP TV, Certiphi Screening, Inc., Kaplan Test Prep, Liaison International, NACDS Foundation, P&G, Pearson Assessment and Information (PCAT), Rite Aid Pharmacy, Walgreens, and Wal-Mart Stores Inc./Sam's Club. More than 40 companies and organizations participated in the exhibition hall. 458 poster abstracts provided additional opportunities to learn and share ideas.

◄ Click on the image at left to view *The Future of the Health Care Marketplace: Life in the Gap and Life in the Game* on AACP's YouTube channel *(internet connection required)*

Keynoter, **Ian Morrison, Ph.D.**, focused his presentation on addressing the American healthcare system with *The Future of the Health Care Marketplace: Life in the Gap and Life in the Game*. With the passage of the Affordable Care Act, the American healthcare system is looking to the future. Organizations and individuals need to adapt to the new agenda, including the push for more widespread reimbursement reform, the growth in transparency and accountability, and the relentless quest for value in healthcare. He discussed the political, economic and strategic changes in healthcare, including possible scenarios and how we can prepare for the future.

Moderated by AACP President-elect Patricia A. Chase, Ph.D., the 2014 Science Plenary addressed how "big data" will change future healthcare practice and research. **Atul Butte, M.D., Ph.D.**, chief of the Division of Systems Medicine at Stanford University, shared his insight on who is collecting this data, what they are doing with the information they aggregate, and what it means for healthcare. He discussed the educational implications for training future practitioners who will work with big data at both the individual patient and population levels.

2014 AACP Institute

The 2014 AACP Institute focused on the new CAPE 2013 Educational Outcomes—specifically Domains 3 and 4 dealing with the Approach to Practice and Care and Personal and Professional Development, respectively. As a result of the popularity of the Institute, an encore Institute was held in October 2015, with 35 teams present. The 2015 Institute was held in May and the topic concerned the newly released ACPE Standards 2016 with particular focus on Interprofessional, Experiential, and Co-curricular education. A total of 44 teams were present working over two-and-a-half days to develop plans for adherence to the Standards in the curricula back at their home institutions. Based on the success of the Institute, AACP will hold an encore session in October 2015.

2015 Interim Meeting

The 2015 Interim Meeting, *Teams Leading Change*, focused on how successful teams are at the forefront of leading change in pharmacy education and practice. With record breaking attendance, more than 360 members, including deans, department chairs and aspiring leaders in the Academy, came together in Austin, Texas. Highlights from the meeting include:

- **Kermit Crawford** shared his thoughts on pharmacy practice trends. Pharmacists' roles in wellness, prevention, intervention for evaluation and treatment of minor ailments, and medication management services were discussed.
- The 2014–2015 ALFP Fellows presented debates on controversial leadership topics for all attendees.
- The leadership keynoter, **John Daly, Ph.D.**, gave an energetic presentation on the nature of leading change. He emphasized that, "It's never enough to have a good idea; you also need to convince others to adopt the idea."
- Pete Vlasses and Jeffrey Wadelin of ACPE presented a session focused on the new ACPE Accreditation Standards.
- William Sage highlighted results of the midterm elections and implications for healthcare policy, including potential implications for health professions education and practice.
- Stephanie Fouch shared a new strategy for branding the profession of pharmacy. She encouraged academic leaders to assist AACP and our partners in our joint efforts to raise the profile of the profession of pharmacy practice and pharmacy education among key target audiences.
- Pamela Zarkowski outlined legal issues facing academic teams.
- Mary Flanagan described plans for teams taking the next steps in strategic planning.

Institutional Research & Effectiveness

With ACPE's release of Standards 2016, the Institutional Research and Assessment Committee has been charged with revising the following AACP institutional research surveys in order to accommodate the new standards:

- Graduating Student Survey

- Faculty Survey

- Alumni Survey

- Preceptor

The new versions of these surveys will be available for school administration within the survey system beginning in spring 2016.

To enhance member accessibility to our data, AACP staff are:

- Designing infographics that communicate patterns and stories about pharmacy education;

- Exploring the use of data visualization tools to present trends in pharmacy education; and

- Updating the look and feel of AACP's institutional research reports.

◄ Click on the images at left to view the flyer **Pharmacy Education: Student Pharmacist Q&A**

SIG CAPE Papers

The goal of the Section and SIG CAPE Papers process was to have the different content areas represented create a guidance document that describes:

1. How their respective subject is reflected in the CAPE 2013 Educational Outcomes, how this subject matter will be achieved pedagogically, and finally, how it will be assessed.

2. Suggestions on how colleagues in a given discipline could use CAPE 2013 in the design, delivery and assessment of their courses or professional programs.

Three papers are now available on the AACP Web site from the Assessment, Curriculum and Leadership Development SIGs. Three more papers will be released later in 2015.

Webinar programming

AACP's Webinar programming is an expanding endeavor that provides a valuable tool for constituent engagement. Each Section/SIG is allowed three programmatic Webinars and three operational Webinars (business meetings). AACP Webinar programming has grown considerably over the past two years, and has become a popular way for members to share knowledge, experiences and best practices with each other.

Recent Webinar highlights include:

- AACP hosted 29 programmatic Webinars this year from Sections, SIGs and the COF. Some of the topics included Student Leadership Development, Team-Based Care, Curricular Mapping, Cultural Competence Training and much more.

- AACP hosted 7 operational Webinars this year, including Section/SIG business meetings, task force meetings and HOD orientations.

- More than 1,200 attendees participated in an AACP Webinar this past year.

- AACP now has more than 50 recorded Webinars on our Web site.

AACP continues to expand the use of the Webinar platform to meet the professional development needs of the membership. In the past three years, AACP has significantly increased the number of programmatic Webinars offered to members.

Number of Programmatic Webinars   2012–13   2013–14   2014–15

20	15	29
2012–13	2013–14	2014–15
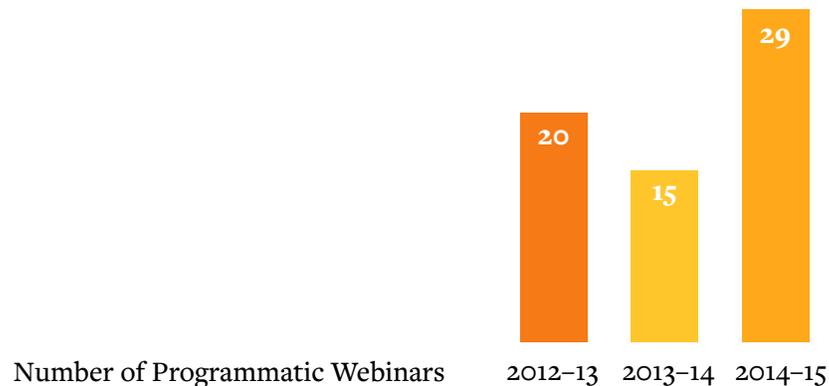
ACPE—CPE-approved provider

During this year, an application to become an approved CPE Provider was submitted by AACP to ACPE. The benefits of having this status will provide AACP greater control and flexibility for providing continuing education training at Annual Meetings, Institutes and educational Webinars.

Professions Quest/Mimycx

The AACP Board of Directors approved the establishment of Professions Quest as a wholly owned subsidiary of AACP in February 2014 and this year has been an exciting one resulting in the release of the first quest, or scenario, of the game in April 2015. Mimycx is a massive multiplayer online (MMO) serious educational game available for purchase by institutional or individual student licenses for use as a tool in interprofessional education across the health professions. Three quests will be available by August 2015 with new scenarios released approximately every six weeks.

As a learning organization, PQ provides interprofessional learning opportunities for students at its headquarters in Manassas, Va. and offers a two-year academic fellowship for graduates from any health professions program. Professions Quest staff offer faculty development for introducing team-based gaming into curricula to schools and colleges that purchase licenses for Mimycx.

Critical Issue 3
Professional Practice Development

How do we help fully integrate pharmacists into the rapidly changing health care environment and prepare our faculty and students to understand and fulfill those roles?

3

Interprofessional Education

AACP continues its strong commitment to advancing interprofessional education (IPE) to enhance members' ability to produce "team-ready" graduates. As a founding member of the Interprofessional Education Collaborative (IPEC) AACP offered two interprofessional institutes for teams of faculty to attend and focus on developing or advancing programs for interprofessional learning. The fall 2014 institute provided an introductory program on IPE. The spring 2015 program focused on IPE in the context of population health and prevention.

AACP is also a member of the Institute of Medicine Global Forum on Innovation in Health Professions Education. The Forum convened a consensus committee to examine the existing evidence on how IPE impacts the ability of teams to improve patient outcomes and make recommendations on the potential design of future studies that could expand this evidence base. The report was released in April and is available on the IOM Web site.

Transformative Community Service Award

The 2014 AACP Lawrence C. Weaver Transformative Community Service Award was awarded to **The University of Oklahoma College of Pharmacy**.

Student Community Engaged Service Award

The students from the following institutions were recognized with a 2014 Student Community Engaged Service Award for their outstanding student-led community engagement programs delivering consumer education abut medication use:

- **Harding University College of Pharmacy**

- **Samford University McWhorter School of Pharmacy**

- **The University of the Pacific Thomas J. Long School of Pharmacy and Health Sciences**

- **Virginia Commonwealth University School of Pharmacy**

Pharmacy Patient Care Process

The Pharmacist Patient Care Process was developed and approved in 2014 by AACP and nine other national pharmacy associations to:

- Serve as the foundation for the care pharmacists provide to patients,

- Illustrate how patient care is provided in all pharmacy practice settings, and

- Provide the pharmacy profession, other health professions, patients, and caregivers with the process that pharmacists utilize to provide patient care (educational tools will be available in 2016).
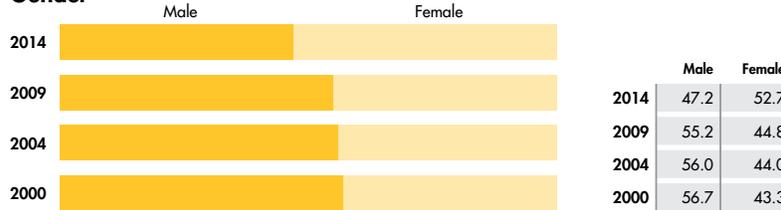
Pharmacy Workforce Center

The Pharmacy Workforce Center, comprised of 11 national pharmacist organizations, has delivered several key workforce tools in 2014 which include:

- The 2014 National Pharmacist Workforce Study which provides an update on the demographic and work characteristics of the pharmacist workforce in the U.S. (a summary of demographic informationfrom 2000–2014 is represented below)

- The Pharmacy Aggregate Demand Index, a national survey about pharmacist demand that is updated monthly

- The 2014 National Association of Boards of Pharmacy (NABP) E-Profile Aggregate Data Report which provides a summary of demographic and practiced-related information on U.S.-licensed pharmacists.
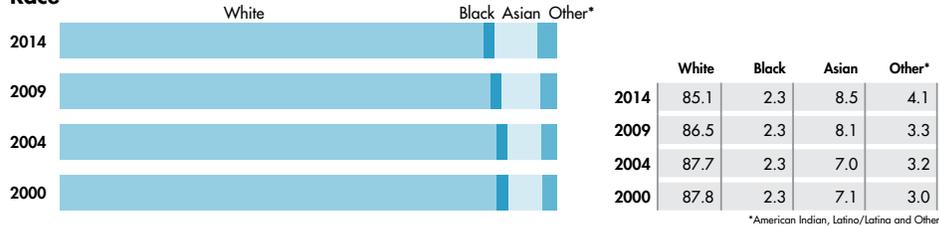
2014 National Pharmacist Workforce Survey Results
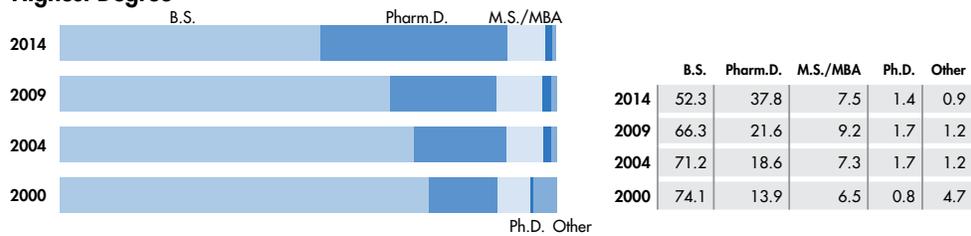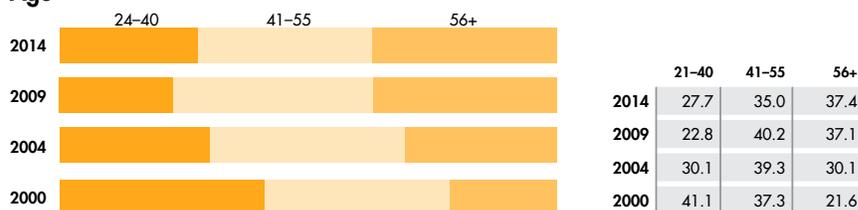Demographic Information of Licensed Pharmacists as Percentages, 2000–2014

Gender

	Male	Female
2014	47.2	52.7
2009	55.2	44.8
2004	56.0	44.0
2000	56.7	43.3

Race

	White	Black	Asian	Other*
2014	85.1	2.3	8.5	4.1
2009	86.5	2.3	8.1	3.3
2004	87.7	2.3	7.0	3.2
2000	87.8	2.3	7.1	3.0

*American Indian, Latino/Latina and Other

Highest Degree

	B.S.	Pharm.D.	M.S./MBA	Ph.D.	Other
2014	52.3	37.8	7.5	1.4	0.9
2009	66.3	21.6	9.2	1.7	1.2
2004	71.2	18.6	7.3	1.7	1.2
2000	74.1	13.9	6.5	0.8	4.7

Age

	21–40	41–55	56+
2014	27.7	35.0	37.4
2009	22.8	40.2	37.1
2004	30.1	39.3	30.1
2000	41.1	37.3	21.6

All of the respondents of the survey are licensed pharmacists in the United States. In order to be licensed in the U.S., pharmacists must graduate with an ACPE accredited school/college of pharmacy with a Bachelor of Science in Pharmacy or a Doctor of Pharmacy degree and must satisfy other licensure requirements (passage of NAPLEX examination, law examination and any other state board of pharmacy requirement). Pharmacists educated outside of the U.S. must satisfy an additional series of examinations and provide documentation as to their pharmacy education prior to being able to sit for licensure requirements.

Master Preceptor Recognition Program

The Master Preceptor Recognition Program (MPRP) recognizes preceptors, who are not full-time employees of a school/college of pharmacy, for their sustained commitment to excellence in experiential education and professional practice. 2014 marks the second year of the MPRP, which had the following highlights:

- A 100% **increase** in the number of applications.

- Funding for the program came from four national pharmacy organizations (APhA, ASHP, NABP, and NACDS Foundation).

- Selection of eight awardees—one from each of eight NABP/AACP districts.

2014 Distinguished Service Award

AACP honored **Walmart** for its decade of support for faculty recruitment through the AACP Walmart Scholars Program.

IOM Pharmacy Fellowship

With significant funding from Research Corporation Technologies and the Cottrell Foundation, AACP and the American College of Clinical Pharmacy met the objective of fully endowing the Institute of Medicine Pharmacy Fellowship Program. This will ensure that there is at least one pharmacy fellow affiliated with the IOM in perpetuity. **Dr. Samuel Johnson**, University of Colorado and Kaiser Permanente, completed his two-year fellowship in October 2014 and has been recognized in a variety of ways for his significant contributions to IOM studies and collaboratives. Two fellows have been appointed for the 2014 to 2016 fellowship program: **Jennifer Christian, Pharm.D., Ph.D.,** is senior director of clinical effectiveness and safety at GlaxoSmithKline and **Steven Smith, Pharm.D.,** is clinical assistant professor in pharmacotherapy and translational research at the University of Florida Colleges of Pharmacy and Medicine.

Critical Issue 4
Advocacy

How do we strategically position AACP to carry out its advocacy agenda to build recognition of our members' contributions to the health of the public?

4

Advocacy

With the start of the 114th Congress AACP continues its work to educate members of Congress and their staff about issues important to current public policy discussions. Of particular importance are congressional discussions related to:

- Funding of federal public health agencies;

- Reauthorization of the Higher Education Act; and

- Continued reform of our healthcare delivery system.

AACP and its coalition partners are leading the charge to:

- Increase funding for grant-funding agencies important to our member institutions and the academic success of their faculty;

- Reduce the administrative burden associated with higher education regulatory compliance including elimination of specific rules being considered by the Department of Education that impact student clinical rotations; and

Make team-based care that includes the pharmacist, the norm within a reformed healthcare delivery system.

- To increase our member access to improved advocacy tools and resources, AACP staff are:

- Establishing a cross-cutting advocacy resource team to utilize new options such as info-graphics and social media, for increasing advocacy impact; and

- Preparing to reorganize the advocacy web pages to better meet the needs of our members.

Script Your Future

AACP continued its support for the third continuous year for the 2014 National Consumers League (NCL) Script Your Future Medication Adherence Team Challenge for health professions students, with the following schools being recognized for in November 2014 for their innovation, commitment and creativity:

- **Lake Erie College of Osteopathic Medicine (LECOM) School of Pharmacy:** National Challenge Award

- **St. Louis College of Pharmacy:** National Challenge Award

- **Touro University California College of Pharmacy:** National Target Market Challenge Award

- **University of Wisconsin-Madison, School of Pharmacy:** Health Disparities, under-represented Community Outreach Award

- **Northeast Ohio Medical University College of Pharmacy:** Communication and Media Outreach Award

- **Lake Erie College of Osteopathic Medicine(LECOM) School of Pharmacy:** Creative Inter-professional Team Event Award

Critical Issue 5
Research and Scholarship

How do we impact academic pharmacy's ability to strengthen research and other scholarship in practice, education and the pharmaceutical, administrative, translational and clinical sciences?

2014 AACP Awards

2014 Robert K. Chalmers Distinguished Pharmacy Educator Award:
- **Robert L. Talbert, Pharm.D., B.S.,** SmithKline Centennial Professor of Pharmacotherapy in the College of Pharmacy at The University of Texas at Austin, was honored for his excellence as a teacher, his outstanding achievements as an author and mentor, and his overall impact on pharmacy education and the profession.

2014 Paul R. Dawson Biotechnology Award:
- **Anil Gulati, M.D., Ph.D.,** professor and associate dean of research at Midwestern University Chicago College of Pharmacy, was honored for his contributions to contemporary teaching and scholarship in biotechnology.

2014 Volwiler Research Achievement Award:
- **John M. Pezzuto, Ph.D.,** dean of the Daniel K. Inouye College of Pharmacy, was honored for his outstanding research and contributions to the field of natural product drug discovery.

Academic Research Fellows Program

The Academic Research Fellows Program (ARFP) continued its push to develop leaders of pharmacy research and team science through:

- Bringing fellows together with leaders of top US national funding agencies (e.g. NIH, FDA, AHRQ, PCORI, NSF, DARPA) and private sector funding sources;
- Implementation of projects led by fellows to enhance existing research programs and develop new research and training opportunities at their home institutions;
- Commencement of the inaugural ARFP class; and
- Recruitment of a second ARFP cohort from a diversity of schools.

New Investigator Awards Program

The New Investigator Awards (NIA) Program supports the development of young pharmacy research faculty by providing start-up funding for investigator initiated research. Fifteen awards, each up to $10,000 with an additional $1,000 for travel to the 2016 AACP Annual meeting, were conferred to new faculty representing:

- Fifteen different institutions, from new schools to major research institutions; and
- Eight different Sections.

Recent NIA recipients experienced continued research success through:

- Training of over 30 students and postdoctoral researchers on projects stemming from NIA funds;
- Four new publications of NIA-funded research;
- One new patent application from NIA-funded research;
- Two privately funded grants stemming from NIA-funded research; and
- Three NIH awards and two NIH subcontracts awarded to 2014 NIA recipients.

Faculty Research Grant Data

AACP continued its yearly analysis of extramural, investigator-initiated research funding across our member institutions. In FY2014:

- Ninety-nine member institutions (73.8%) received research funds from extramural sources; and
- Eighty-three member institutions (61.9%) received research funding from the National Institutes of Health, either in direct awards or through subcontracts.

American Journal for Pharmaceutical Education

Activity and statistics for the *American Journal of Pharmaceutical Education* (AJPE) for 2014 (Vol.78)

- 10 issues, including a theme issue on Faculty Development, were published in electronic, open access format; a print edition was produced and sent to member institutions and paid subscribers.
- Journal Transitions:
    - Dr. Gayle Brazeau (University of New England) became Editor in May, replacing Dr. Joseph T. DiPiro (South Carolina College of Pharmacy).
    - The editorial office moved to AACP headquarters in Alexandria, VA. Staff changes included the departure of Senior Assistant Editor Karen Shipp and Assistant Editor Paula Markevicz; Amanda Thomason came on as Editorial Manager.
    - AACP's Senior Director of Academic Affairs Dr. Cecilia Plaza became the staff liaison.
    - Dr. Adam Persky (University of North Carolina at Chapel Hill) joined Drs. Frank Romanelli and Claire Anderson as associate editors; Dr. Jack Fincham concluded his service as associate editor.
- Editorial Board of Directors:
    - New member: Lauren Schlesselman (University of Connecticut)—Three-year term;
    - Reappointments: Eric Boyce (University of the Pacific), Susan Burton (Nelson Mandela Metropolitan University), Stuart Haines (University of Maryland), Deborah Harper-Brown (Chicago State University), Mohamed Azmi Ahmad Hassali (University Sains Maylasia), Jennifer Marriott (Monash University), Anna Ratka (Chicago State University)—all three-year terms.
- Rufus A. Lyman Award Winner:
    - *"Is a Pharmacy Student the Customer or the Product?"* by David A. Holdford, Ph.D. (Virginia Commonwealth University)
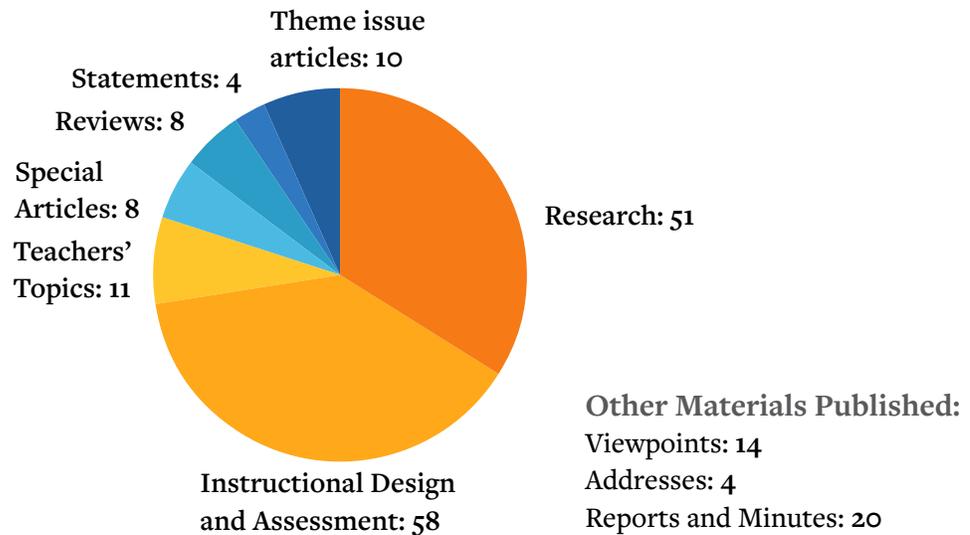
Journal Activity in 2014 (Volume 78)

Manuscripts submitted: **544**
Manuscript acceptance rate: **32**%
Number of Reviewers: **513**

Manuscripts Published:

Theme issue
articles: 10

Statements: 4

Reviews: 8

Special
Articles: 8

Teachers'
Topics: 11

Research: 51

Instructional Design
and Assessment: 58

Other Materials Published:
Viewpoints: **14**
Addresses: **4**
Reports and Minutes: **20**

Knowledge Management

In order to become a better member-serving organization by adopting the philosophy and practices of knowledge management, AACP staff has initiated the following elements:

- Formation of a knowledge management workgroup to determine short-term and long-term goals,

- Securing a 2015 Sewell Memorial Fund Fellow to assist staff in developing the knowledge management framework and strategic focus areas, and

- Gathering member input through focus groups and other discussions to identify critical knowledge assets and processes within the association.

Critical Issue 6
AACP Financial Resources and Infrastructure

How do we ensure that the organization has the financial resources short-term (one to three years) and long-term and the necessary infrastructure to support the mission and vision?

6

Staffing

It was a dynamic year in terms of the AACP staff, with the retirement of two individuals and the outsourcing of several key functions in operations (human resource management and information technology). Vincent Lau, Vice President for Research and Graduate Education and Chief Science Officer, retired in December, and Joan Lakoski, Ph.D., joined AACP in May as his replacement. Diane Drakeley, from the same department, also retired. AACP now has 31 full-time staff based in the Alexandria, Va. Headquarters, and one remote staff member working from North Carolina.

Professions Quest is based at the Virginia Serious Games Institute in Manassas, Va. and has four full-time and nine part-time employees. The company employs game engineers, artists, coders and administrative personnel.

Treasurer's Report

With a $13-plus million budget, AACP continues to maintain a stable financial position, including a growing reserve balance. This year's financial operations were clearly impacted by the drop in student services generated revenues that have historically accounted for close to 50 per cent of our association's revenue stream. In a risk analysis report prepared in February 2014, Student Affairs reported revenue was identified as a risk factor due to declining trends in the application pool. In the fiscal year ending June 2015, AACP is projecting a $370K operating loss.

Apart from the application-related activities, demand continues to be strong for AACP's highly-valued programs, which address critical member needs, and the Association is *poised to tackle* the challenges that lie ahead. Cash and investments comprise 83% of total assets, and investments are managed under a balanced investment approach yielding an annual return of more than 8% since inception in 2009 through June 2014.

Since inception in 2002, PharmCAS has been the engine for growth in AACP, providing funding for the development of many programs across the Academy, including curricular quality, faculty recruitment and retention, advocacy efforts and most recently the formation of Professions Quest LLC (PQ). PQ is designed to advance inter-professional education through development of serious games using cutting edge technology. Professions Quest LLC released its first game, *Mimycx*, in April 2015 with more games set to be released during calendar year 2015. The maturation of Professions Quest LLC is expected to rebalance AACP's revenue streams and reduce dependence upon student application driven fees and programs. Our outlook with PQ is to provide for the long-term viability of our Association while also setting aside funds for future investment. The AACP Board of Directors in July 2014 approved a transfer of $300K to the AACP Endowment Fund which now has a healthy balance of over $600K and is anticipated to fund some of AACP's awards program. The financial goal for the next 3–5 years is to grow the Endowment Fund to $1 million plus.

Looking to the future of our Academy, our current outlook clearly shows that AACP has identified new revenue sources to help rebalance its revenue streams and lighten the burden upon student service generated fees and programs. AACP remains sensitive to institutional member budgets and is extremely responsive to member needs as new services are launched. Looking ahead to 2016, AACP has the required resources to expand its reach nationally while exploring strategic initiatives and assessments to meet our future challenges.

Financials, 2012–2014

	2012	2013	2014
Cash	$ 2,598	$ 2,055	$ 2,238
Receivables	195	351	355
Investments	5,016	6,106	7,015
Fixed Assets	691	736	631
Other	759	848	900
Assets	9,259	10,096	11,139
Accounts Payable	573	772	810
Dues received in advance	2,026	2,217	2,554
Advance registration and exhibit fees	1,644	1,884	1,667
Note payable	74	63	51
Liabilities	4,317	4,936	5,082
Unrestricted net assets	4,599	4,813	5,663
Temporarily restricted net assets	80	83	128
Permanently restricted net assets	263	264	266
Net Assets	4,942	5,160	6,057
Liabilities and Net Assets	**$ 9,259**	**$ 10,096**	**$ 11,139**

units in $ and 000s

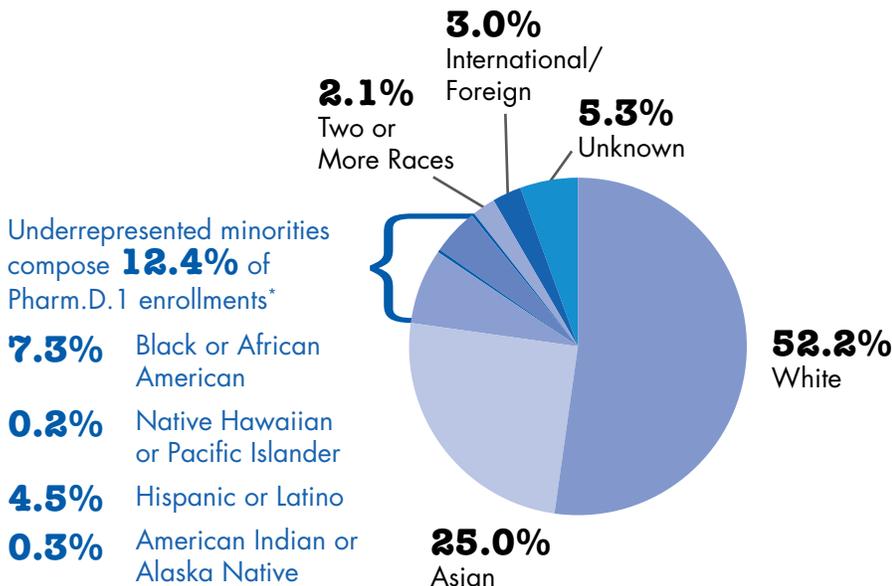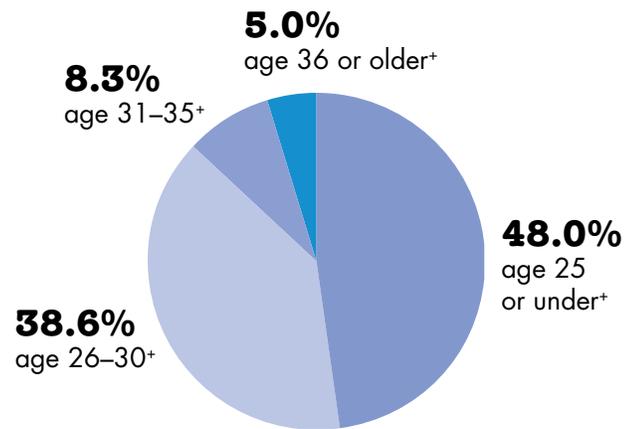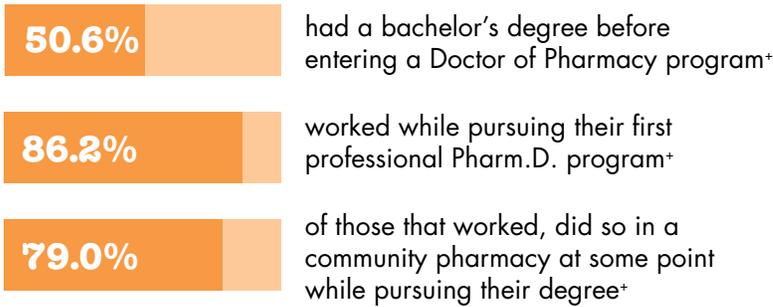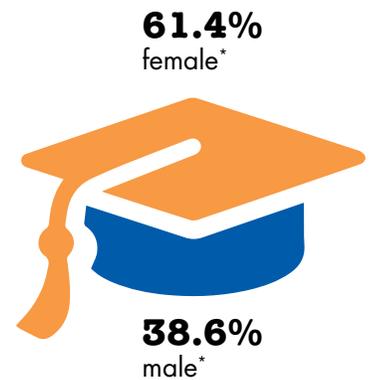|	2012	2013	2014
Membership dues	3,321	3,478	3,542
Grants and contracts	298	239	304
Meeting registrations and other fees	1,629	2,169	2,158
PharmCAS application fees	5,787	5,858	6,096
Sales and royalties	773	862	810
Other income	119	198	124
Total Revenues	11,927	12,804	13,034
Program Services			
Individual member services	833	1,042	1,013
Meetings	1,962	2,655	2,519
PharmCAS	4,330	4,622	4,883
Other programs	1,677	2,021	2,358
Support Services			
Office administration	3,088	2,466	2,278
Total Expenses	11,890	12,806	13,051
Increase (Decrease) in Operations	37	(2)	(17)
Investment income, gains and losses	(54)	537	914
Increase (decrease) in Net Assets	**$ (17)**	**$ 535**	**$ 897**

units in $ and 000s

Pharmacy Education:
Student Pharmacist Q&A

Who is the Student Pharmacist?

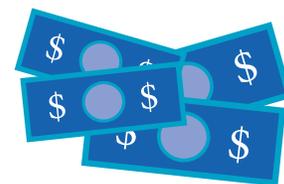As of Fall 2014, **63,927** students were enrolled in a Pharm.D. program

50.6% had a bachelor's degree before entering a Doctor of Pharmacy program[+]

86.2% worked while pursuing their first professional Pharm.D. program[+]

79.0% of those that worked, did so in a community pharmacy at some point while pursuing their degree[+]

5.0% age 36 or older[+]

8.3% age 31–35[+]

48.0% age 25 or under[+]

38.6% age 26–30[+]

3.0% International/Foreign

2.1% Two or More Races

5.3% Unknown

52.2% White

25.0% Asian

Underrepresented minorities compose **12.4%** of Pharm.D.1 enrollments[*]

7.3% Black or African American

0.2% Native Hawaiian or Pacific Islander

4.5% Hispanic or Latino

0.3% American Indian or Alaska Native

61.4% female[*]

38.6% male[*]

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AACP

How Much Does a Pharm.D. Education Cost?

Average first year Pharm.D. tuition, 2014–15# (costs reported do not include mandatory fees)

Public

$18,269	Instate
$35,022	Out-of-State

Private

$36,459	Instate
$36,710	Out-of-State

Median amount of money borrowed by students at the time of graduation@+

Public

$85,410	2009
$120,000	2014

40.5% increase in the median amount of money borrowed for public institutions

Private

$119,784	2009
$165,000	2014

37.7% increase in the median amount of money borrowed for private institutions

Percentage of students who reported borrowing money to help pay for college expenses in the Pharm.D. program:

87.4%	2009
89.2%	2014

What is the ROI?
(return on investment)

Although student pharmacists have an increasing debt burden, pharmacist salaries are still much higher than the national average.

The median wage of current working pharmacists, reported in May 2012 by the Bureau of Labor Statistics, was **$116,670** per year, compared to **$34,750** for all occupations.

A Bright Future

Despite the increasing debt burden from pursuing a professional degree, students surveyed in the graduating student survey indicate that the majority feel positive about their choice to study pharmacy.

94.9%+ of students surveyed indicated° they are prepared to enter pharmacy practice.

81.8%+ of students surveyed indicated° that if they were starting their college career over again they would choose to study pharmacy.

79.6%+ of students surveyed indicated° they would recommend a career in pharmacy to a friend or relative.

°indicated=strongly agreed or agreed

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