CAS Updates and Policy Review

Presented by AACP and Liaison Staff
July 7, 2020

Panel

Libby Ross, MA
Senior Director for Student Affairs

American Association of Colleges of Pharmacy

Katie Bruce, BA
Director of Application Services and Student Programs
American Association of Colleges of Pharmacy

Deborah Erdner, MA Vice President, CAS Operations Liaison International, Inc.



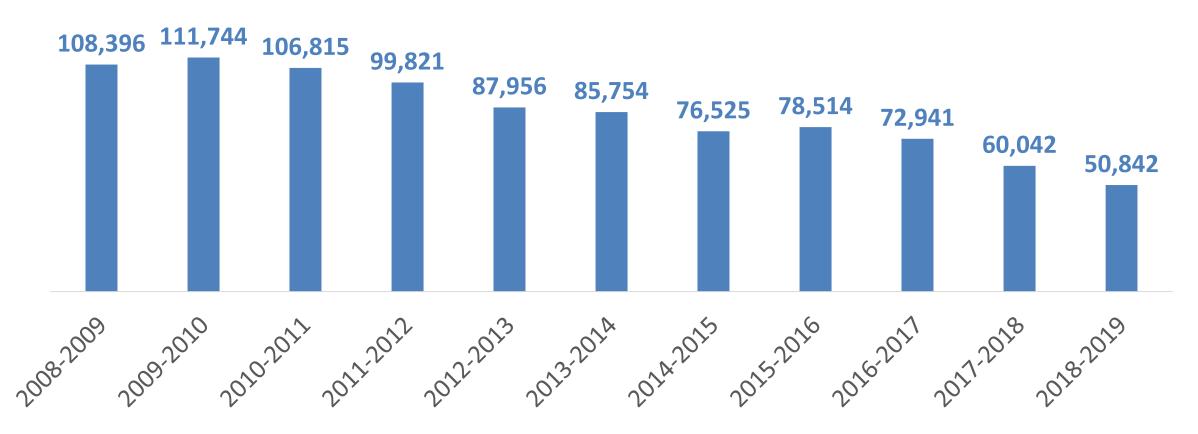
Topics

- Application and Seat Data
- CAS Policies and Enhancements
- CAS Operations Overview



Total # of Pharm.D. Applications

PharmCAS and Non-PharmCAS Institutions



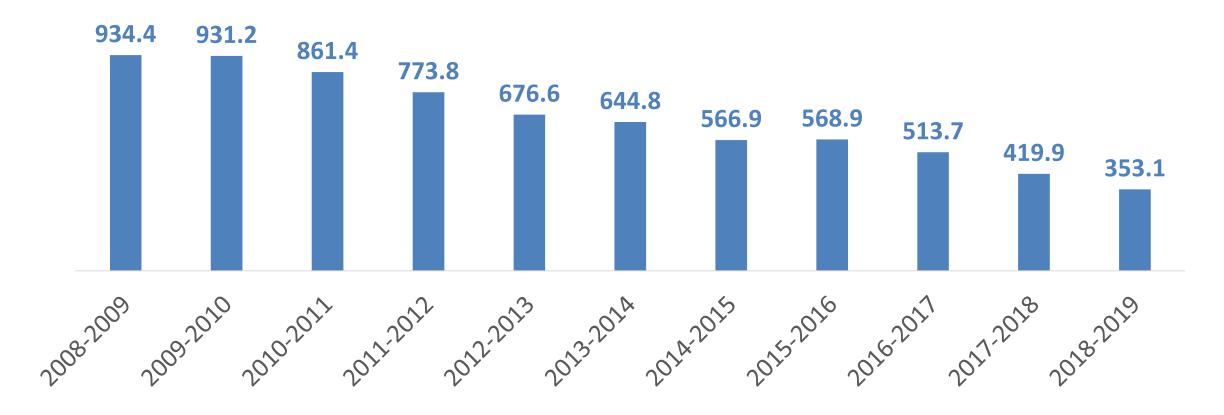
Source: AACP Fall 2019 Profile of Pharmacy Students

The 2019-2020 application data for all U.S. colleges and schools of pharmacy will be available from AACP's office of institutional research and effectiveness (OIRIE) in spring 2021.



Mean # of Pharm.D. Applications Per School

PharmCAS and Non-PharmCAS Institutions

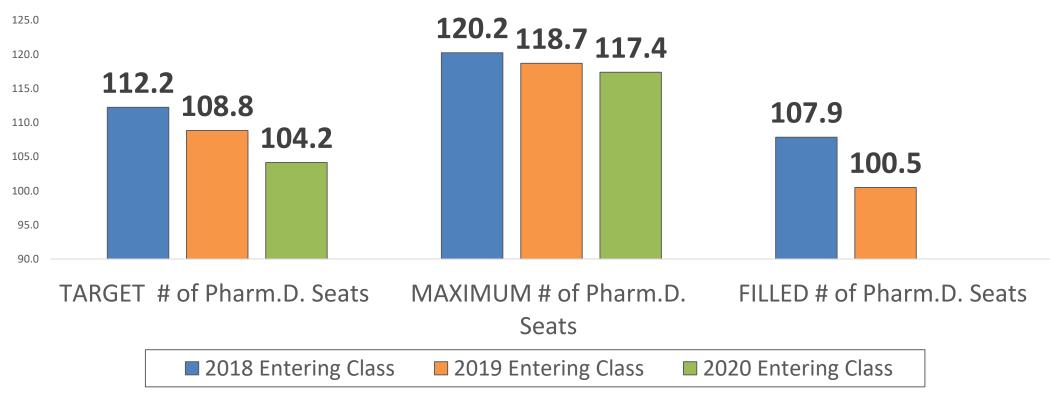


Source: AACP Fall 2019 Profile of Pharmacy Students

The 2019-2020 application data for all U.S. colleges and schools of pharmacy will be available from AACP's office of institutional research and effectiveness (OIRIE) in spring 2021.



Mean #of P1 Pharm.D. Seats Available and Filled per Entering Class

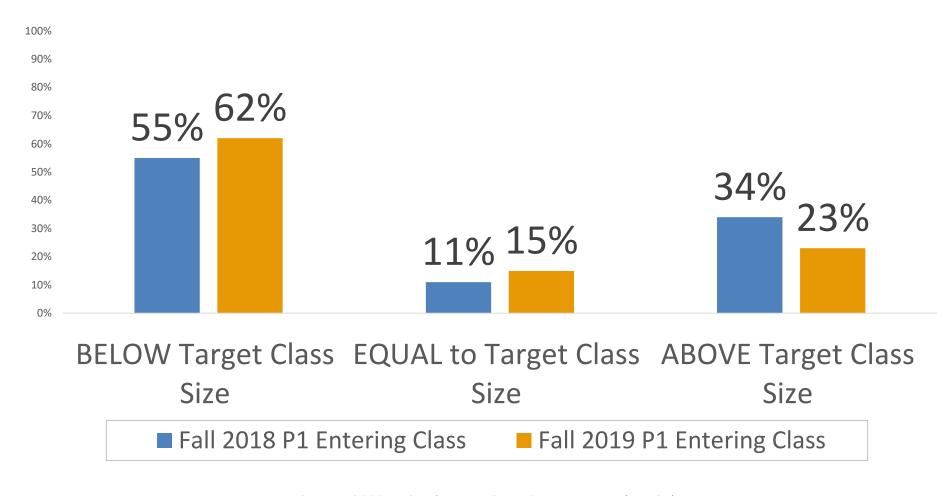


Based on the 2020 AACP Seat Survey results, colleges and schools of pharmacy reduced the overall maximum and target number of seats available for the 2018, 2019, and (upcoming) 2020 P1 entering classes. Additionally, the mean number of seats reported in the survey as filled per school also declined on average from 107.9 for the 2018 entering class to 100.5 for the 2019 entering class. Seats filled for the 2020 entering class is not yet available.

Source: 2020 AACP Pharm.D. Seats Survey Report (N=134)



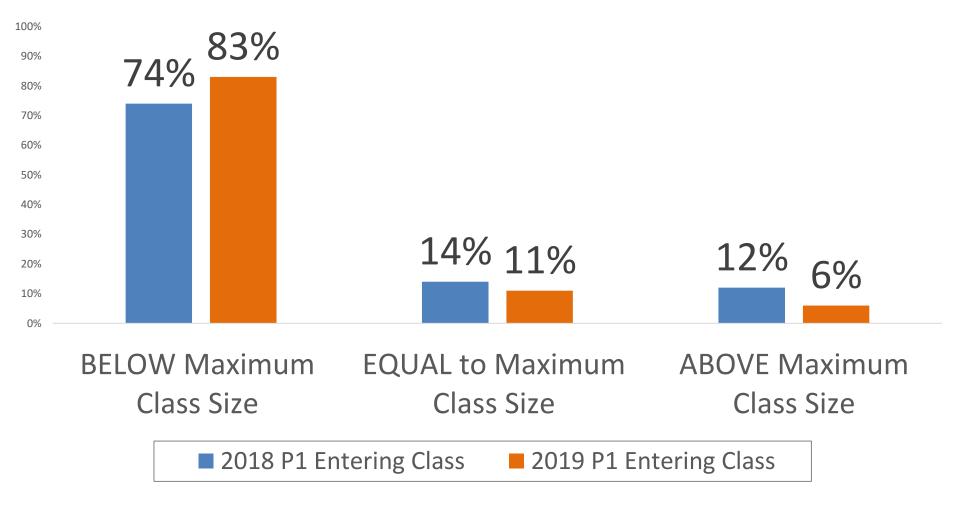
Target # of P1 Seats Available vs. Filled







Maximum # of P1 Seats Available vs. Filled







P1 Pharm.D. Seats Available vs. Filled All Institutions

	For All Institutions			
	Target Maximun		# of	
	# of Seats	# of Seats	Seats	
	Available	Available	Filled	
2017-2018 Cycle for	15,934	17,050	15,192	
2018 Entering Class	,	,	,	
2018-2019 Cycle for 2019 Entering Class	15,512	16,893	14,466	
2019-2020 Cycle for 2020 Entering Class	14,970	16,756	N/A	

- Target, maximum, and filled seat data is estimated and primarily based on data in the 2020 AACP Seat Survey results.
- Additional data sources for estimates include the 2019 AACP Seat Survey results, PharmCAS School Directory, WebAdMIT matriculated decision codes, and Table 42 of the AACP *Profile of Pharmacy Students*.
- Previous seat estimates for the 2019 entering class differ due to updated data.
- AACP cannot determine the number of individual applicants who applied to non-PharmCAS schools.
- N/A: Not yet available



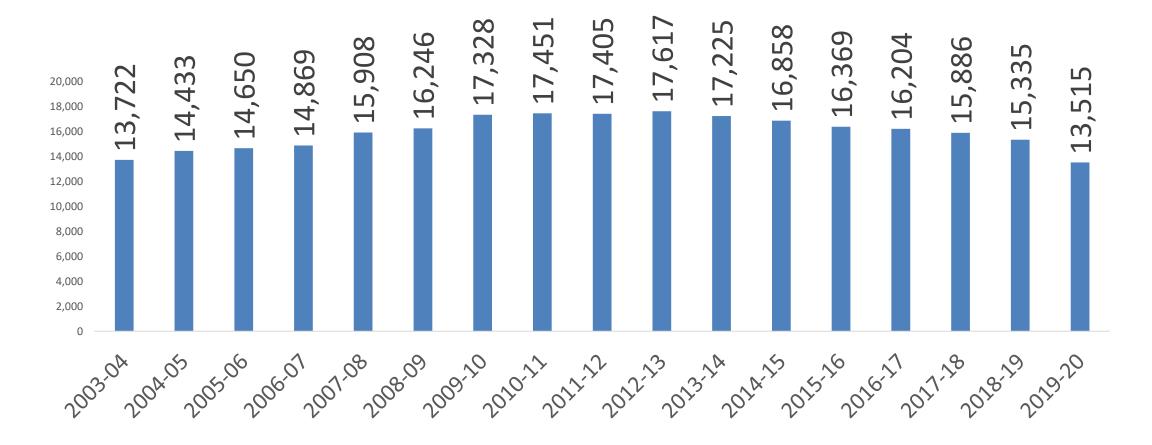
P1 Pharm.D. Seats Available vs. Filled PharmCAS Institutions

	For PharmCAS Institutions					
	Target # of Seats Available	Maximum # of Seats Available	# of Seats Filled	# of PharmCAS Applicants	Ratio of Applicants to Target # of Seats	Ratio of Applicants to Max # of Seats
2017-2018 Cycle for 2018 Entering Class	14,542	15,149	13,501	15,866	1.09	1.05
2018-2019 Cycle for 2019 Entering Class	14,150	15,421	13,230	15,335	1.08	0.99
2019-2020 Cycle for 2020 Entering Class	13,878	15,609	N/A	13,515*	0.97	0.87

- Target, maximum, and filled seat data is estimated and primarily based on data in the 2020 AACP Seat Survey results.
- Additional data sources for estimates include the 2019 AACP Seat Survey results, PharmCAS School Directory, WebAdMIT matriculated decision codes, and Table 42 of the AACP Profile of Pharmacy Students.
- Table reflects preliminary PharmCAS data as of *7/2/2020. The 2019-2020 PharmCAS cycle for the 2020 entering class will close on 7/10/2020. Final PharmCAS data for 2019-2020 will differ from the table and be available in fall 2020.
- Previous seat estimates for the 2019 entering class differ due to updated data.
- AACP cannot determine the number of individual applicants who applied to Non-PharmCAS schools.
- N/A: Not yet available

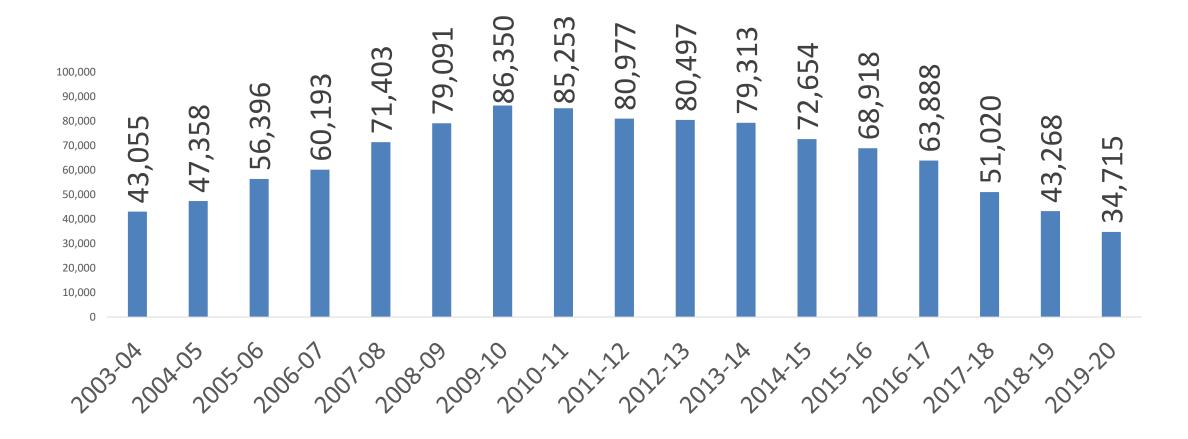


PharmCAS Applicant Trends



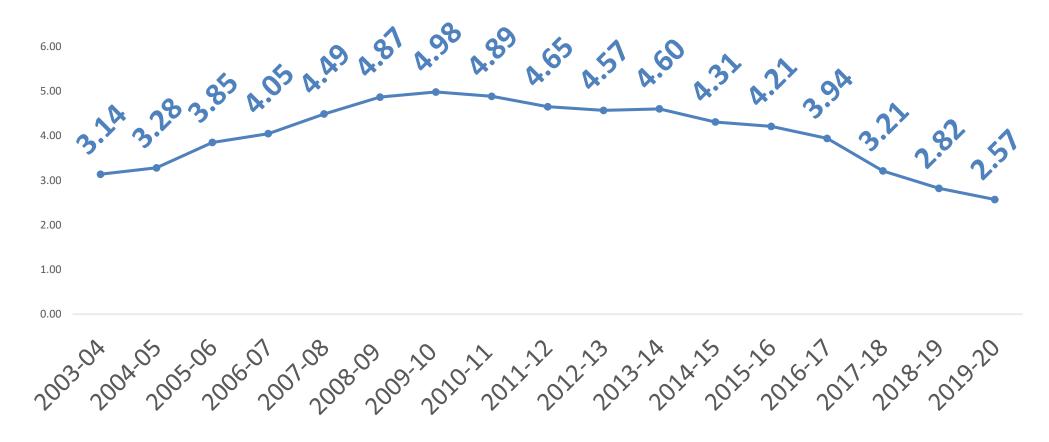


PharmCAS Application Trends





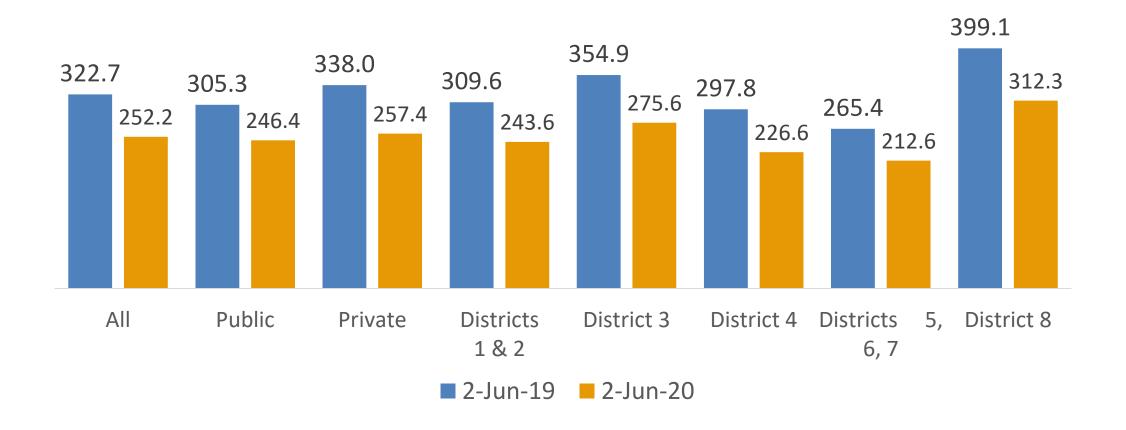
Mean # of PharmCAS Applications Per Applicant





Mean # of PharmCAS Applicants per Program

As of June 2





PharmCAS Applicant Trends by Month

Date	2016-2017	2017-2018	2018-2019	2019-2020	Point in Time % Change: Current Cycle vs 2018-2019	Point in Time % Change: Current Cycle vs 2016-2017
Dec	9,199	8,253	8,065	6,835	-15.3%	-25.7%
Jan	10,793	9,799	9,577	7,798	-18.6%	-27.7%
Feb	12,491	11,450	11,383	9,154	-19.6%	-26.7%
Mar	14,606	13,536	13,053	10,474	-19.8%	-28.3%
Apr	15,775	14,730	13,988	11,531	-17.6%	-26.9%
May	15,990	15,255	14,169	12,071	-14.8%	-24.5%
Jun	16,129	15,652	14,971	12,898	-13.8%	-20.0%

Table reflects applicant volume at the beginning of each month. Final applicant data for previous cycles differ from the June data in this table because additional files become complete and verified between June 1 and the cycle close date every year. Verified applicant counts in previous mid-cycle reports may also differ slightly from this table. The 2019-2020 cycle will close on July 10, 2020. Final applicant data for 2019-2020 will be available in fall 2020.



PharmCAS Application Trends by Month

Date	2016-2017	2017-2018	2018-2019	2019-2020	Point in Time % Change: Current Cycle vs 2018-2019	Point in Time % Change: Current Cycle vs 2016-2017
Dec	36,986	26,906	21,052	16,121	-23.4%	-56.4%
Jan	43,801	31,106	25,336	19,787	-21.9%	-54.8%
Feb	53,886	40,010	32,643	23,234	-28.8%	-56.9%
Mar	61,786	46,207	37,883	26,968	-28.8%	-56.4%
Apr	64,679	49,359	39,734	29,571	-25.6%	-54.3%
May	65,025	51,077	41,420	31,301	-24.4%	-51.9%
Jun	65,285	52,986	43,086	34,345	-20.3%	-47.4%

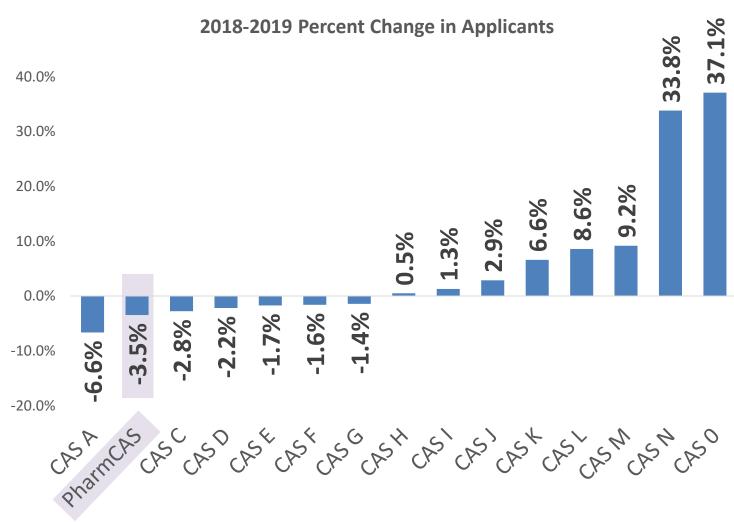
Table reflects Submitted application volume at the beginning of each month. Final application data for previous cycles differ from the June data in this table because additional files become complete and verified between June 1 and the cycle close date each year. Submitted application counts in previous mid-cycle reports may also differ slightly from this table. The 2019-2020 cycle will close on July 10, 2020. Final application data for 2019-2020 will be available in fall 2020.



Percent Change in CAS Applicant Volume

Allopathic Medicine Communication Sciences Dentistry **Nursing** Occupational Therapy **Optometry** Orthotic & Prosthetic Osteopathic Medicine Pharmacy **Physical Therapy Physician Assistant Podiatry Psychology Public Health** Social Work **Veterinary Medicine** 2018-2019 CAS data as of Nov 2019. Order of professions

2018-2019 CAS data as of Nov 2019. Order of professions does <u>not</u> reflect order in graph. Graph only reflects CAS volume and may not reflect all volume for a particular profession. Percent changes may be due in part to a change in the number of participating programs or other extenuating circumstances. Only the primary CAS per profession is represented. Due to different cycle dates, updated CAS data for 2019-2020 will be available by Jan 2020. CAS identities are confidential.

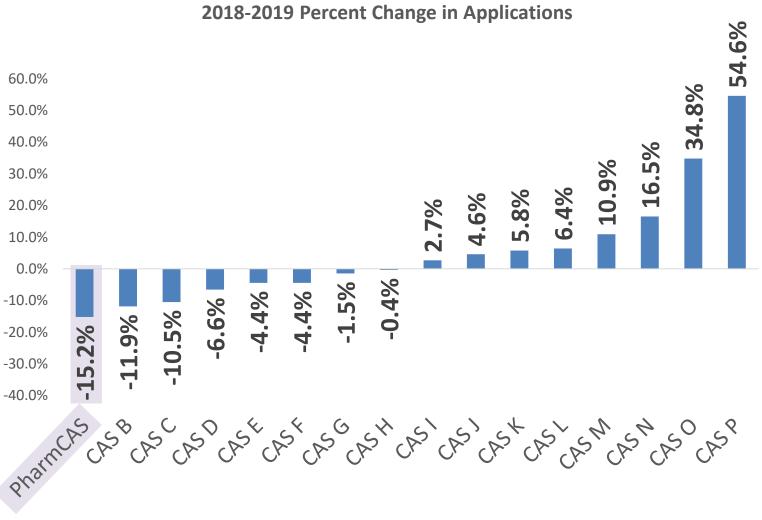




Percent Change in CAS Application Volume

Allopathic Medicine **Communication Sciences** Dentistry Nursing Occupational Therapy **Optometry** Orthotic & Prosthetic Osteopathic Medicine Pharmacy **Physical Therapy Physician Assistant Podiatry Psychology Public Health** Social Work **Veterinary Medicine** 2018-2019 CAS data as of Nov 2019, Order of professions does not reflect order in graph. Graph only

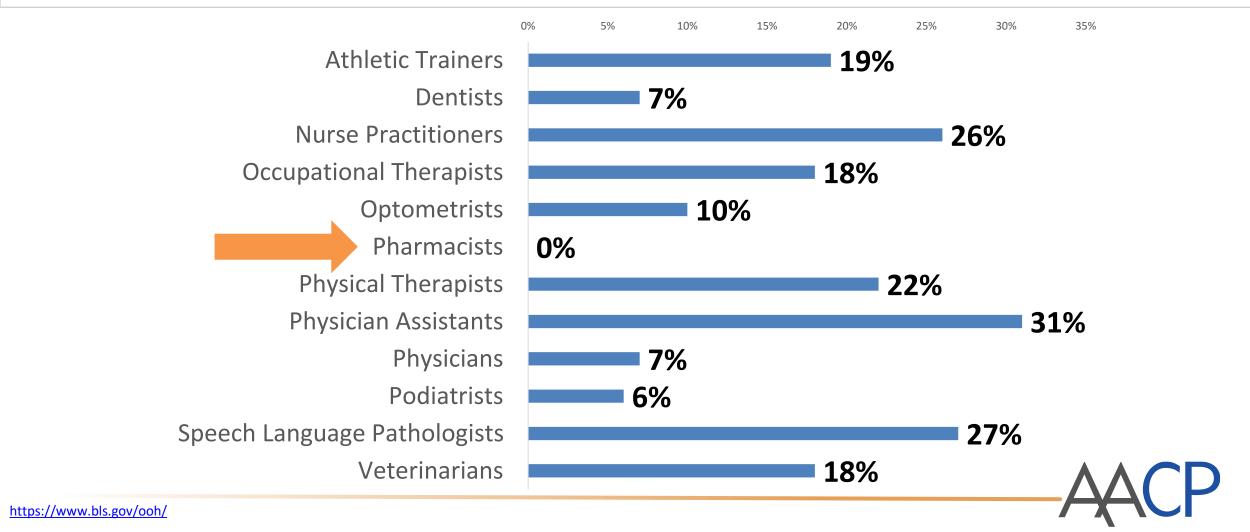
2018-2019 CAS data as of Nov 2019. Order of professions does <u>not</u> reflect order in graph. Graph only reflects CAS volume and may not reflect all volume for a particular profession. Percent changes may be due in part to a change in the number of participating programs or other extenuating circumstances. Only the primary CAS per profession is represented. Due to different cycle dates, updated CAS data for 2019-2020 will be available by Jan 2020. CAS identities are confidential.





BLS Job Projections: 2019-2029

CHALLENGE: The Bureau of Labor Statistics (BLS) modified its projections for pharmacist job growth from 6% (2018-2028) to 0% (2019-2029). Other professions are projected by the BLS to have a faster than average rate of growth.



U.S. News and World Report



CHALLENGE: Publication has ranked pharmacists lower in its best job lists over the years.

	Ranking of Pharmacists by U.S. News and World Report				
Year	100 Best Jobs	Best Healthcare Jobs (out of 29)	Best Paying Jobs		
2013	#3				
2014	#5	#3	#8		
2015	#26		#10		
2016	#29				
2017	#36	#23	#20		
2018	#45				
2019	#55	#27	#21		
2020	Not in Top 100				

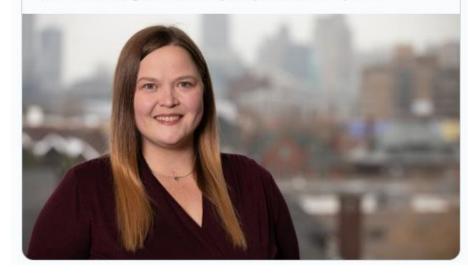
^{*} AACP staff has attempted to retrieve past rankings of pharmacists in this publication based on archived and online information.



New Opportunities



Infectious diseases pharmacy specialist and Wayne State Prof. of Pharmacy Practice Susan Davis serves on the NIH's COVID-19 Treatment Guidelines Panel that was convened in late March by Dr. Anthony Fauci. The NIH released guidelines today. bit.ly/3aqN4vn #waynestate









Pharm4Me Champions Advisory Committee: 2019-2020

Chenita W. Carter Florida A&M University

Heidi Fuchs Touro College

Hetty Y. Ha University of California, Irvine (NAAHP Liaison)

Catherine L. Jarvis University of Colorado

Shaun Keating Medical College of Wisconsin

Erik D. Maki Drake University

Darnae' G. Parks Philadelphia College of Osteopathic Medicine

Miriam C. Purnell University of Maryland Eastern Shore

Rosie Walker AACP



PharmCAS Applicant Survey



Have you ever visited the Pharmacy Is Right for Me website?

Cycle	Yes	No	Not Sure
2017-2018	17%	74%	9%
2018-2019	22%	67%	11%
2019-2020	24%	65%	11%



Applicant Survey:

Why did you choose to pursue a career as a pharmacist?

Interest in helping people		87%
Desire to work as part of the healthcare team		86%
Interest in knowing how medicines work in the body		84%
Interest in making a difference in the world		72 %
Interest in direct patient care		63%
Interest in STEM (science, technology, engineering, math	59%	
Job salary		59%
Work/life balance		55%
Interest in healthcare fields that are less physically or medically intrusive with patients (e.g., contact with extensive bodily fluids, surgery, etc.)		51%
Pharmacists are essential employees (e.g., as during the	COVID-19 crisis)	52%

Source: PharmCAS 2019-2020 Applicant Survey (June 2020) N=2296; Applicants could select more than one response.

Applicant Survey

Who encouraged you to consider pharmacy as a career?

Family Member	57 %
Pharmacist	43%
Friend	28%
Current PharmD Student	20%
College Professor	11%
College Advisor	10%
Pre-Pharmacy Club or Society	10%
None	10%
High School Teacher	8%
Other Health Professional (e.g., physician)	8%
Pre-Pharmacy or Health Professions Advisor	8%
Other	7%
High School Counselor	4%
Pharmacy School Faculty	4%

Applicant Survey: Impact of Recruitment Events

	A PIVOTAL	A POSITIVE	A NEUTRAL	
	experience that	experience	experience that	I did not
How did virtual and/or on campus events	significantly	that	did not	participate
influence your decision	influenced my	influenced my	significantly	in this
to become a pharmacist?	decision to	decision to	influence my	type of
	pursue	pursue	decision to pursue	event
	pharmacy	pharmacy	pharmacy	
AACP Virtual Pharmacy School Fair	5%	10%	5%	80%
Pharmacy School Event - Virtual	7%	17%	7%	69%
Pharmacy School Event - On Campus	18%	30%	> 6%	45%
Health Prof or Grad School Fair - Virtual	7%	13%	7%	73%
Health Prof or Grad School Fair - On Campus	12%	25%	7%	57%
College Fair	10%	19%	10%	61%



PCAT Advisory Committee: 2019-2020

Paul Jungnickel Auburn University, Chair

Renee DeHart Samford University

Amy Diepenbrock University of the Incarnate Word

Mary Euler West Virginia University

Hetty Ha NAAHP Liaison

Jamie Hall University of Missouri-Kansas City

Jason Haney Medical University of South Carolina

Lisa Lebovitz University of Maryland

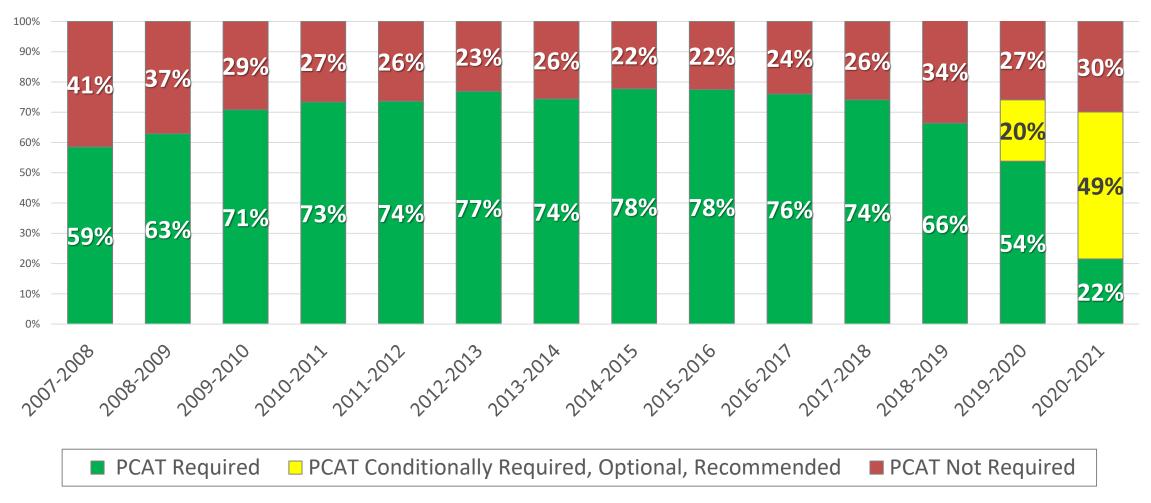
Ann Philbrick University of Minnesota

Caroline Sierra Loma Linda University

Libby Ross AACP



Percentage of Schools by PCAT Requirement & Cycle





Policy Review & 2020-2021 Enhancements

PharmCAS Advisory Committee: 2019-2020

Joel Gonzales University of California, San Francisco, Chair

Jeffrey Bates
Cedarville University

Jordana Berry Mercer University

Olivia Buncher
 University of Minnesota

Jennifer Clutter
 West Virginia University

Hetty Ha
 University of California, Irvine, NAAHP Liaison

Bill Nichols Belmont University

Helen Park
 Roseman University of Health Sciences

Everlidis Pena Larkin University

Jennifer Rosenberg University at Buffalo, SUNY

Laurel Sampognaro The University of Louisiana Monroe

Mackenzie Stick Creighton University

Thomas TenHoeve University of Illinois at Chicago

Katie Bruce AACP

Welcome New Schools in PharmCAS!

#	Institution	Joined PharmCAS in 2019-2020	Joined PharmCAS in 2020-2021
134	Florida A&M U	X	
135	U of Kansas, The	X	
136	Ohio Northern University		X

All AACP member institutions are eligible and invited to participate in PharmCAS as "full" participants, meaning the institution agrees to require all applicants to the first year of its professional Pharm.D. degree program apply through PharmCAS and pay the calculated fee. There are no partial participation options in PharmCAS.



PharmCAS Community

- Faculty and staff involved in the pharmacy admissions process are encouraged to subscribe to the PharmCAS Community on AACP Connect.
- Accessed here: http://connect.aacp.org.
- To request access to this community, contact cas@aacp.org.



New CAS Logos for 2020-2021







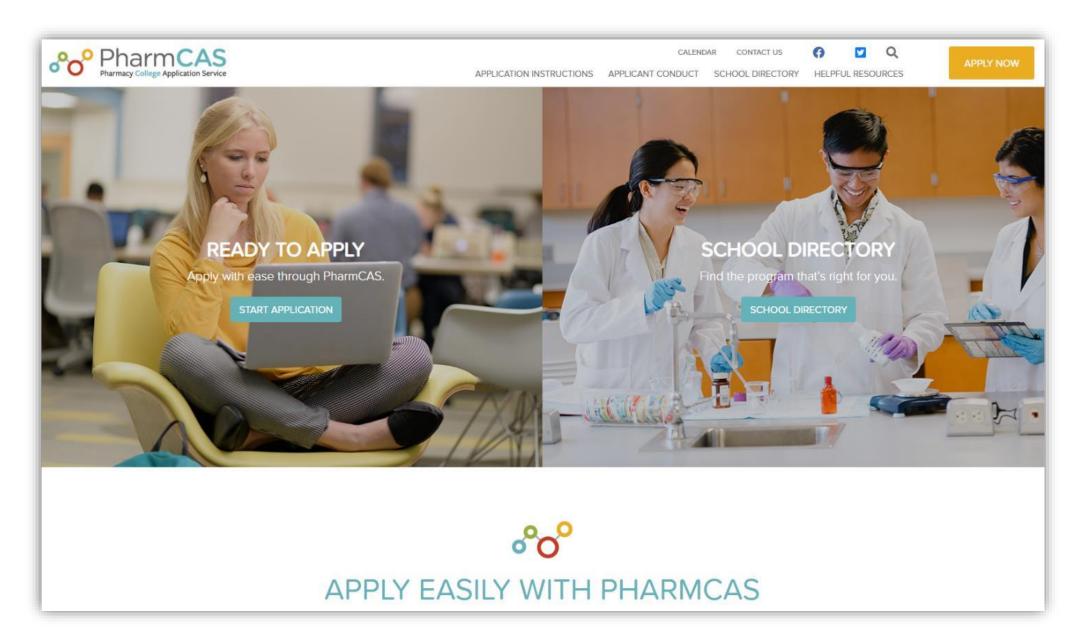




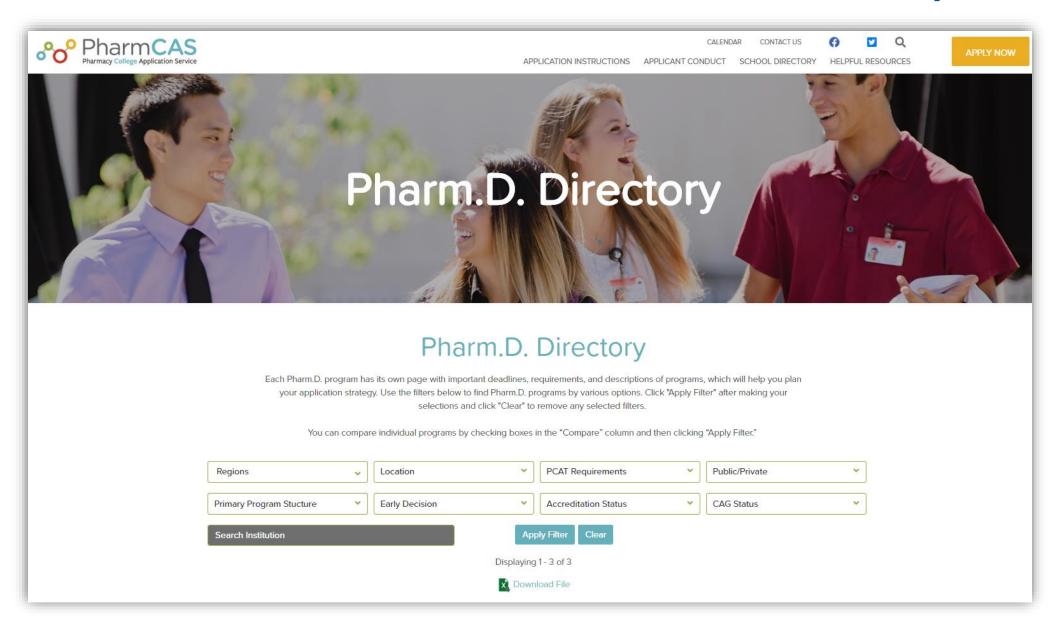




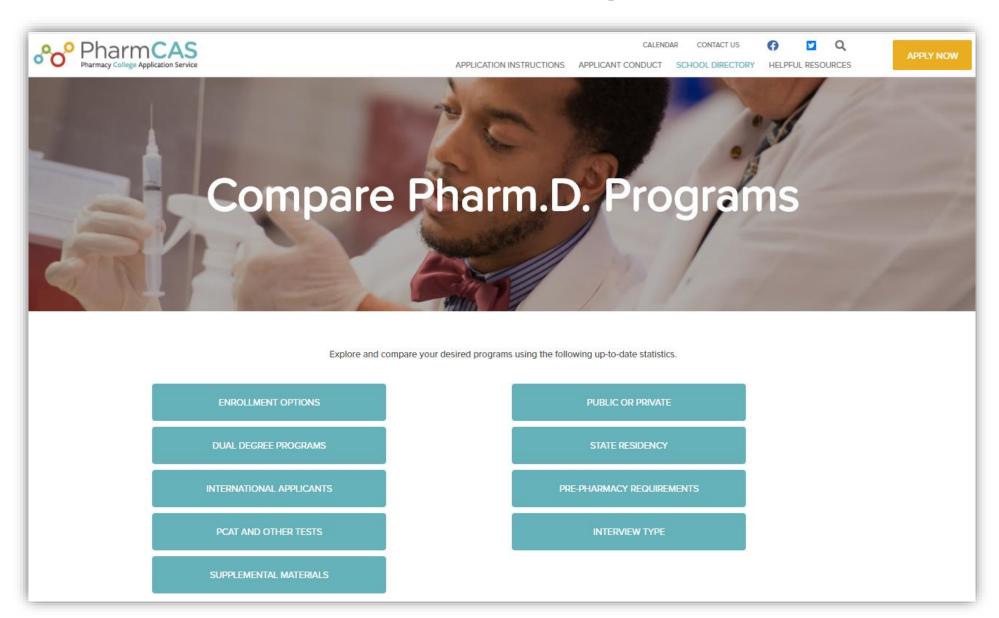
New PharmCAS Website



New PharmCAS School Directory



New "Compare Programs" Tool



PharmGrad Advisory Committee: 2019-2020

Kimberly J. Dunn Campbell University, Chair

Lori M. Altenbaugh University of Pittsburgh

Daniel J. Canney Temple University

Julie A. Cogley-Pifko
 Manchester University

Justin Hadley Albany College of Pharmacy and Health Sciences

Jason Hartfield Keck Graduate Institute

Cynthia B. Jones Marshall University

Rose Llanos-Almeida Nova Southeastern University

Innokentiy Maslennikov Chapman University

Kaci Thiessen University of Arkansas for Medical Sciences

Katie Bruce AACP



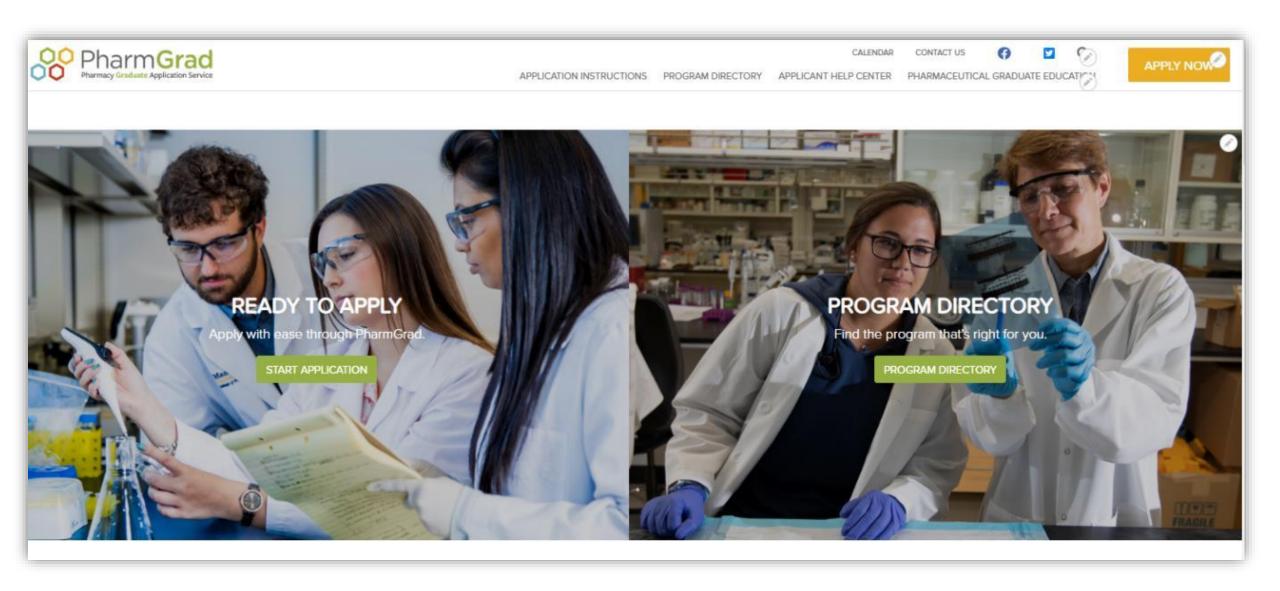
Welcome New PharmGrad Programs!

PharmGrad Institution	PharmGrad 2020-21	
Albany College of Pharmacy and Health Sciences	X	
California Northstate University	X	
Chapman University	X	
Keck Graduate Institute	X	
Manchester University	X	
Marshall University	X	
Nova Southeastern University	X	
Temple University	X	
University of Louisiana Monroe	X	
University of Pittsburgh	X	
TOTAL # of PharmGrad INSTITUTIONS	10	
TOTAL # of PharmGrad PROGRAMS	23	

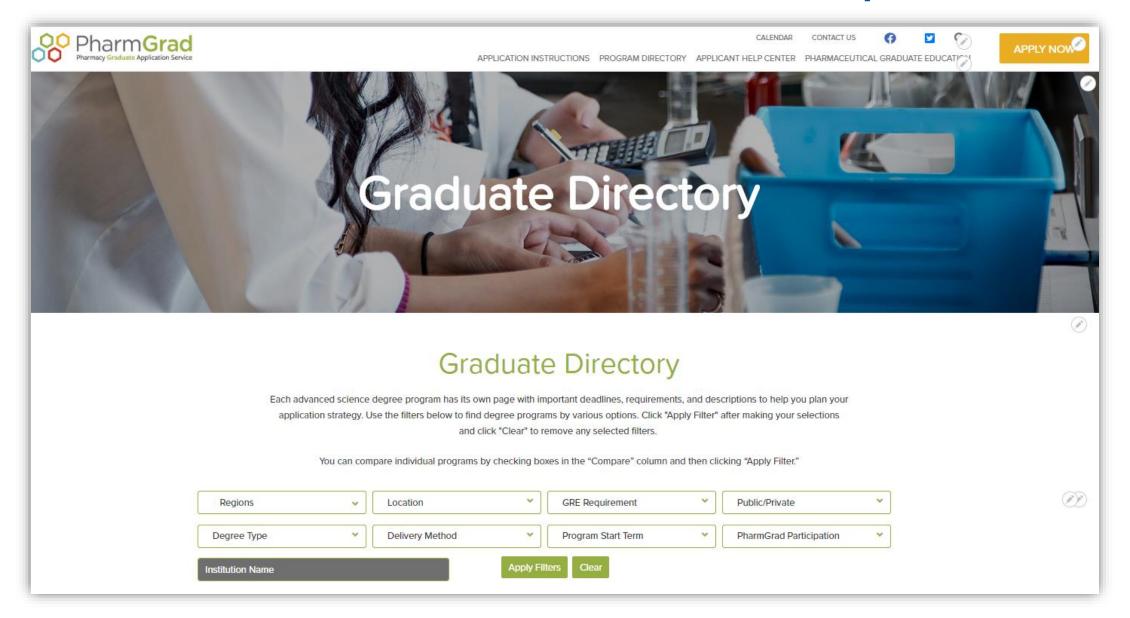
@AACPharmacy

#VirtualPharmEd

New PharmGrad Website



New Graduate Directory



Liaison-Assisted Deferral Process

- Occurs on October 1 each year and results in deferred applicants appearing in WebAdMIT in the new cycle with an application status of Manual.
- Schools must use the decision code of Deferred in WebAdMIT by no later than September 30 (and before the deferred data pull on October 1).

▼ Designations					
Designation	ns				
Designation	Local Status	Decision Code	Application Status	Early Decision Status	
PharmD	Offer Accepted 🗸	Offer Accepted	O Manual	Not Early Decision	
4					



COVID-19 Impact Questions

- The following questions have been added to the 2020-2021 PharmCAS application:
 - Did your school move to offering only online curriculum during the COVID-19 crisis?
 - Did you have an opportunity to receive a letter grade for any of your courses taken during the COVID-19 crisis?
 - Please describe how COVID-19 has impacted your pathway to pharmacy school?



PharmCAS Fee Waiver Fund Expanded

- Due to COVID-19, the AACP Board of Directors increased the PharmCAS application fee waiver fund from \$80K to \$100K for the 2020-2021 cycle only.
- The <u>temporary</u> expansion will allow AACP to cover an additional 114 applicants in financial need for a total of 571 during the 2020-2021 cycle.
- With the exception of AAMC (medicine), AACP supports the highest fee waiver fund of any CAS.



Coupon Codes

- Coupon codes are application fee discounts that colleges and schools can use to incentivize applicants to apply.
- Beginning in the 2020-2021 application cycle, pharmacy programs will be able to purchase coupon codes in the amount of \$55 or \$175 to cover an applicant's incremental or base application fee, as desired.



Invitation Codes

- To extend the deadline for individual applicants only after the program deadline has passed, programs will request an "invitation code" from Liaison that is unique to the pharmacy program.
- The program can then share the code with the applicant approved for an individual deadline extension.
- The applicant will enter the code into the application to gain access to the designation after the deadline has passed.



Application Deadline Time Zone

2020-2021 PharmCAS Institutional Deadline Dates:

- November 2, 2020 (11:59 pm Hawaii Time)
- December 1, 2020 (11:59 pm Hawaii Time)
- January 4, 2021 (11:59 pm Hawaii Time)
- February 1, 2021 (11:59 pm Hawaii Time)
- March 1, 2021 (11:59 pm Hawaii Time)
- April 1, 2021 (11:59 pm Hawaii Time)
- May 3, 2021 (11:59 pm Hawaii Time)
- June 1, 2021 (11:59 pm Hawaii Time)



Post-Submission Edits to Advisor Release

 Applicants will now be permitted to change their answer to the Advisor Release even if they have submitted their application.

Advisor Release	
advisors and adviso	authorize PharmCAS to release parts of your PharmCAS application and application status to health profession ry committees at schools you previously attended. Your advisor can then better assist you throughout the . Once you submit your application, you cannot edit this response.
Yes	No



Early Decision

- As outlined in the School Manual, schools that opt to participate in the early decision process during the 2020-2021 PharmCAS cycle must agree to release any accepted early decision applicants who no longer wish to enroll in the Pharm.D. program for any reason.
- Early decision will no longer be available in PharmCAS beginning in the 2021-2022 admissions cycle for applicants applying for fall 2022 enrollment.



Early Decision School Codes

LOCK:

- Offer Accepted
- Offer Made
- Declined Offer
- Deferred
- Matriculated

RELEASE:

- None
- Denied
- Wait List
- Received/Under Review
- Incomplete/Application Not Reviewed
- Withdrew
- Withdrawn after Matriculation
- Rescinded
- Return Early Decision to Regular Pool



PharmCAS Criminal Background Check

- Only OFFER ACCEPTED will trigger Certiphi Screening, Inc. to send an email to the preferred email address of the applicant, as entered in the PharmCAS application.
- Applicants will be charged a \$72.70 fee by Certiphi.
- Financially disadvantaged applicants who were approved for a PharmCAS application fee waiver will also receive a waiver for the Certiphi CBC.





PharmGrad Criminal Background Check

- A new criminal background check option will launch for PharmGrad in 2020-2021.
- Each institution will decide whether to use the Certiphi Screening service.
- There is no Certiphi fee for the PharmGrad institution.
- Once a PharmGrad program enters a decision code of "OFFER ACCEPTED" into WebAdMIT, Certiphi will email the applicant to begin the process.
- Applicants will be charged a flat \$72.70 fee by Certiphi.
- Completed background reports will be shared with the applicant's PharmGrad program via Certiphi's secure portal.











Liaison Operations Update



• • • Agenda

- Liaison Team
- CAS Services
- COVID 19 Liaison's response
- Business Continuity
- Liaison by the numbers



Your Liaison Team

Client Success Manager, Team Lead – Nicole Iarossi

- Day to Day operations
- Salesforce tickets
- WebAdMIT Resource

Client Delivery Manager, Kevin Kendall

- Cycle Rollover Activities and planning
- Design Documents for client sponsored product development
- Timeline for deliverables, testing and remediation

VP of Operations, Deborah Erdner

- Manage client relationship
- Facilitate best practices using Liaison tools & services



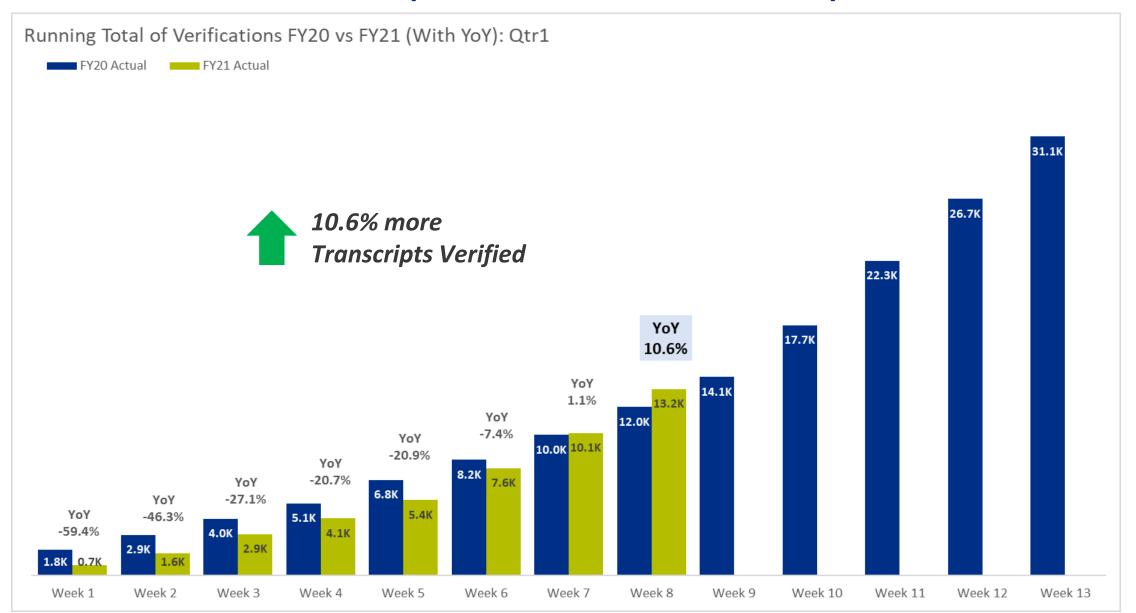
COVID-19 Business Continuity – Transcript Processing



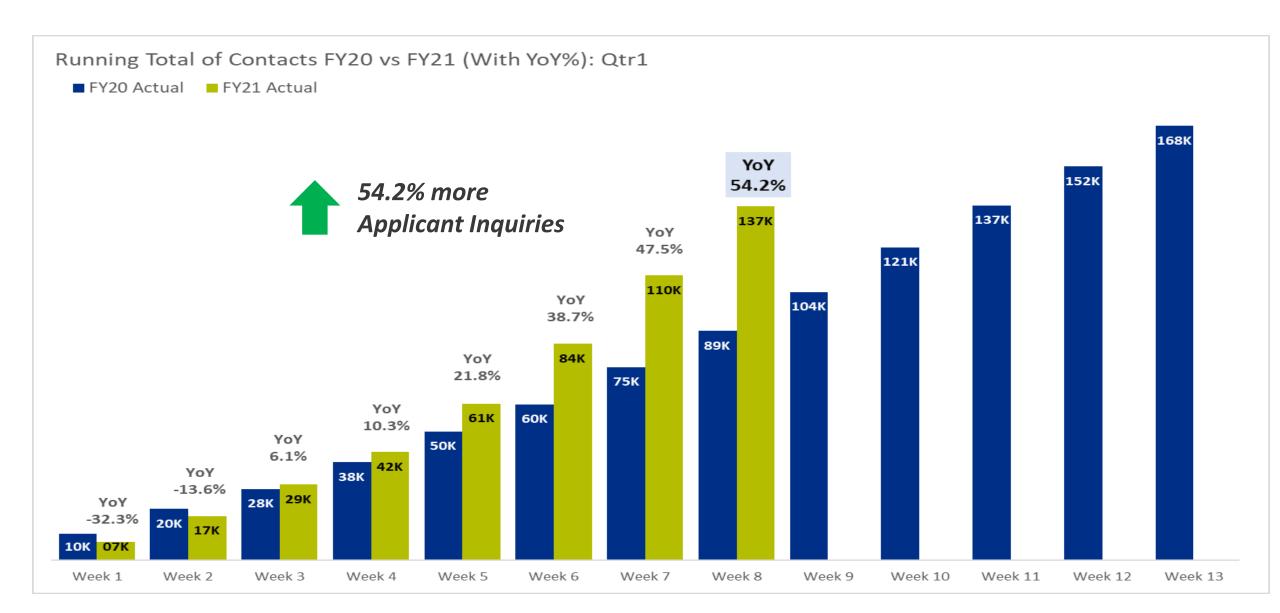
- 1. Paper: Essential staff continues to process paper transcripts.
- **2. eTranscripts:** Our staff proactively reaches out to 2,500+ school registrars. **Promoting eTranscripts via NSC & Parchment/CredSol (new record: 5,300+/day)**
- **3. Email:** We created an exception process that enables Registrars to email official transcripts. *Quickly responding to Registrars unable to send eTranscripts*



COVID-19 Operational Trends - YTD Transcript Verification



COVID-19 Operational Trends – YTD Applicant Inquiries





Business Continuity

- Business continuity in processing, verification and customer service.
- We didn't miss a day at Liaison since March 12th when we sent all non-essential employees to work from home.
- We process applications and service applicants year-round:
 - 20 hours a day
 - 7 days a week
 - 360 days a year



CAS Services



Scanning & Document Processing

Over 2.5 million documents processed annually

15 to 20 buckets opened per day

Annual processing error rate of less than 1%



Transcript Verification

Highly trained staff and yearround scalable processes

Official transcripts compared with coursework, grades and credits

Standardized GPAs calculated

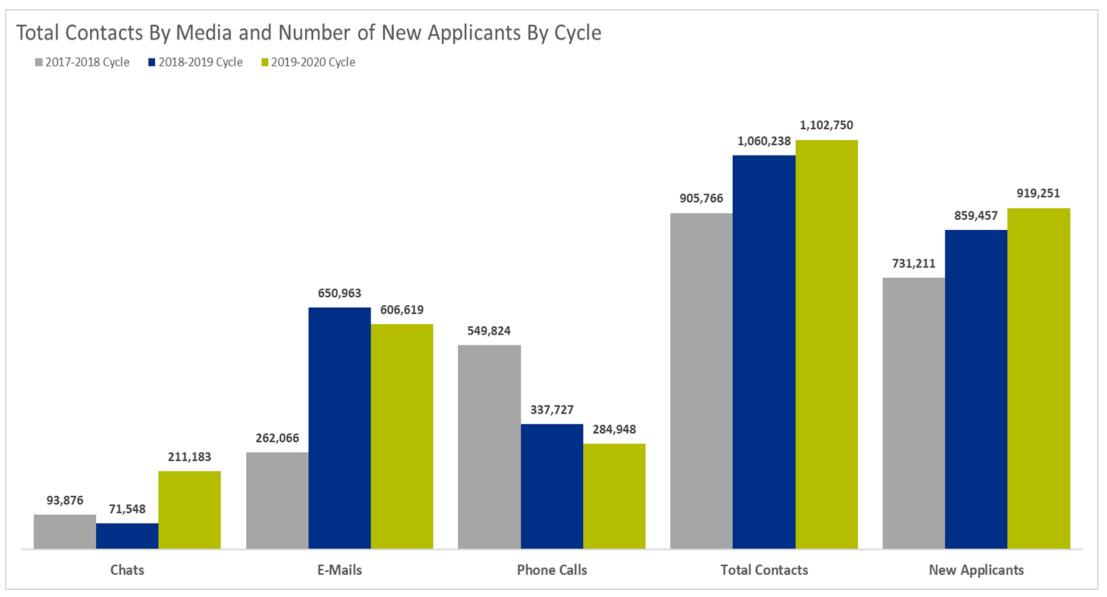


Customer Service

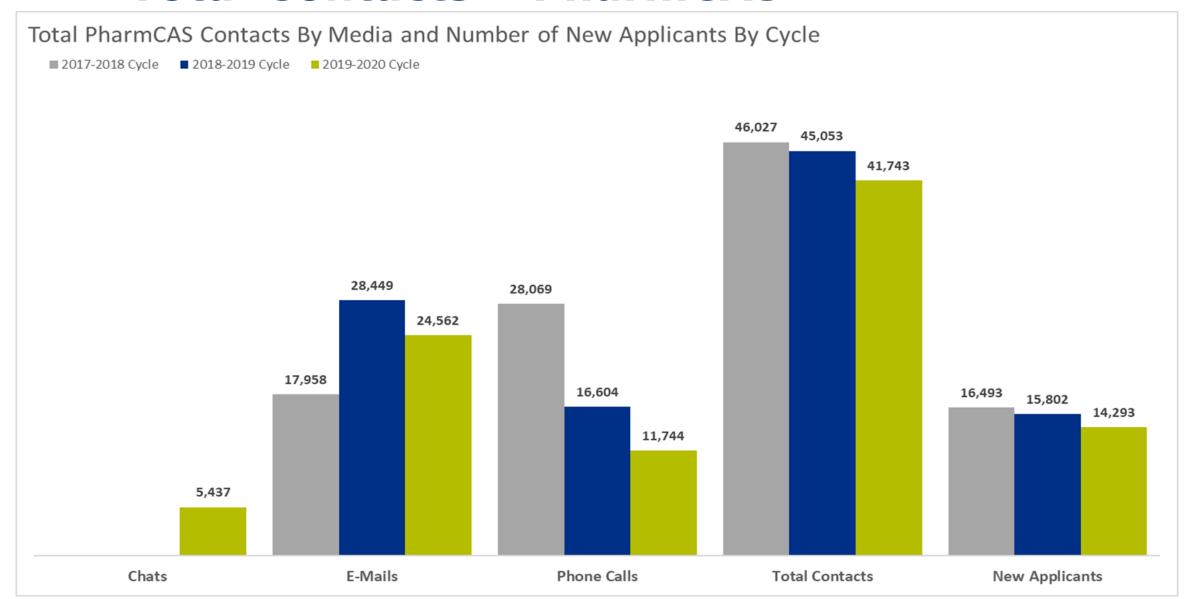
Over 1,000,000 calls, chats and emails resolved annually

An extension of **over 5,000** admissions offices

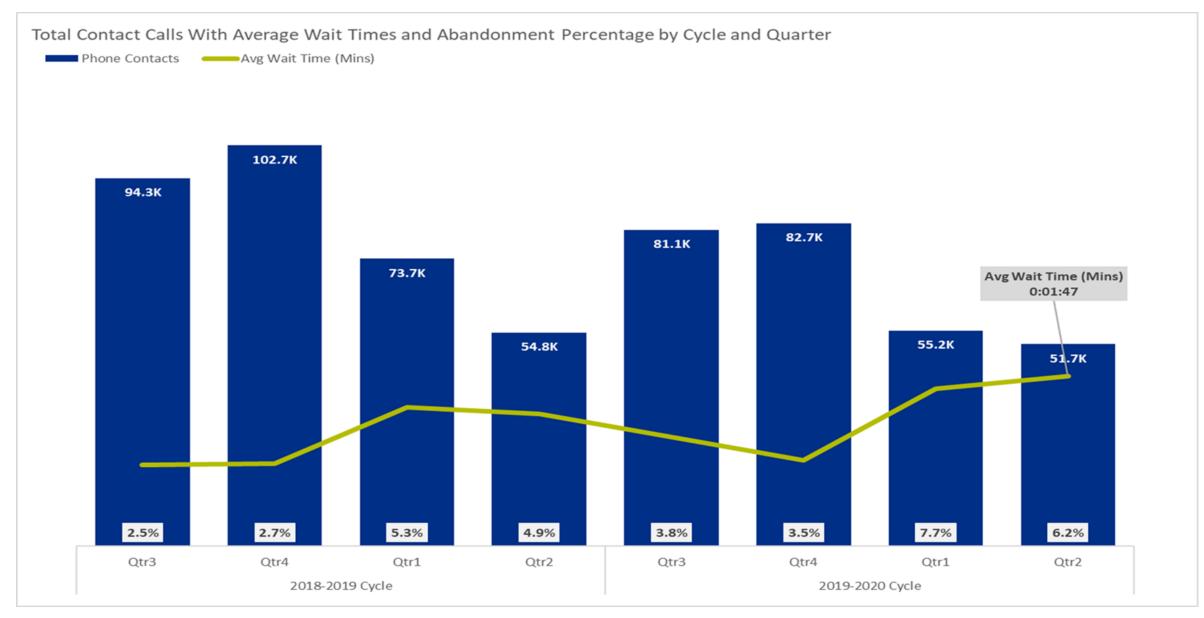
•••• • Total Contacts – All Services



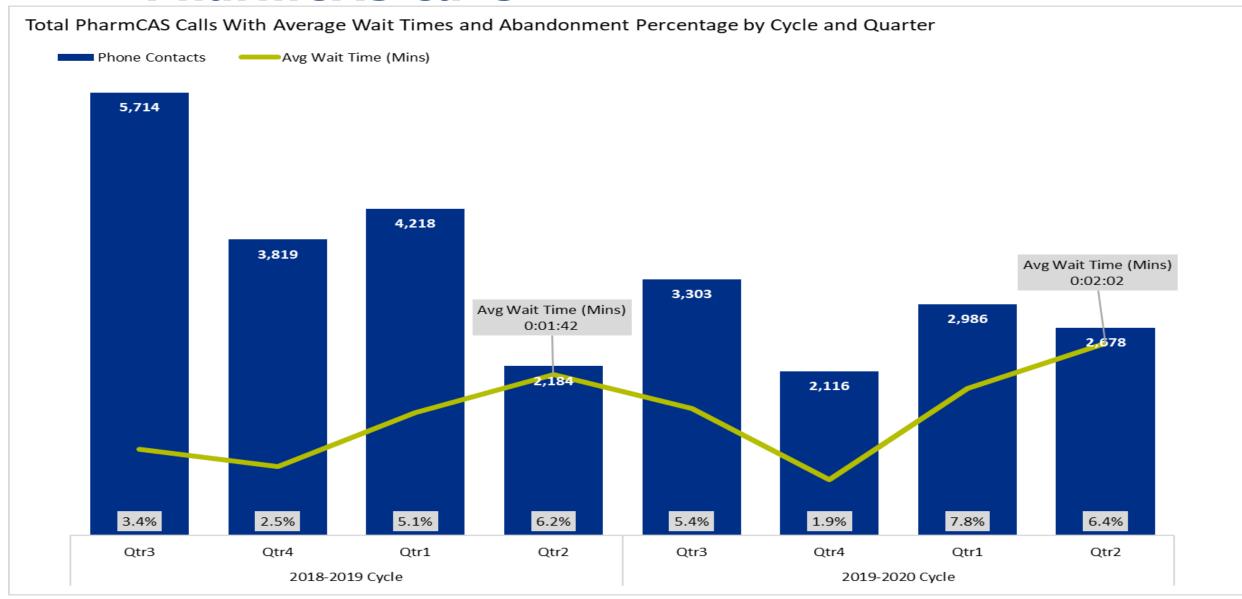
•••• • Total Contacts - PharmCAS



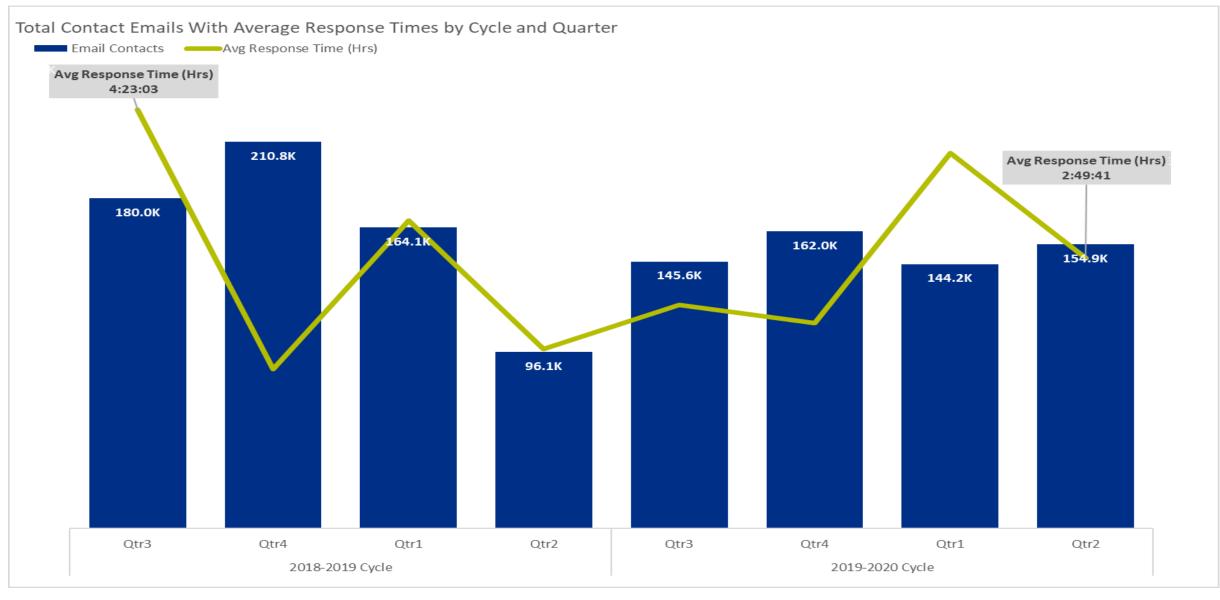
• • • • All services - calls



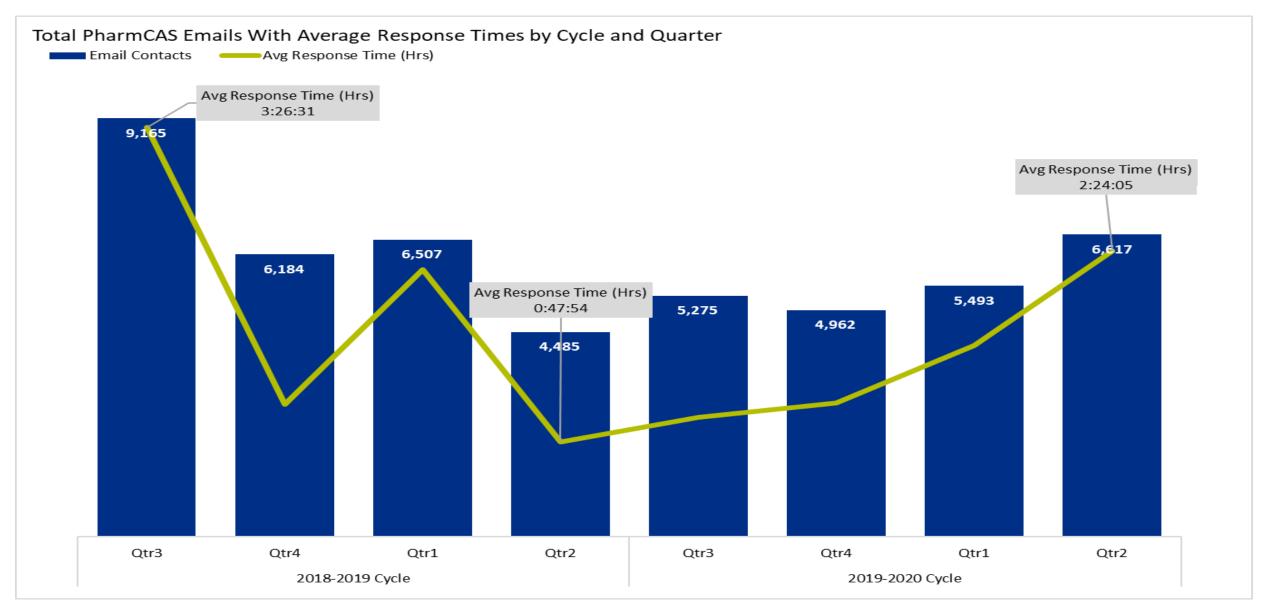
•••• • PharmCAS calls



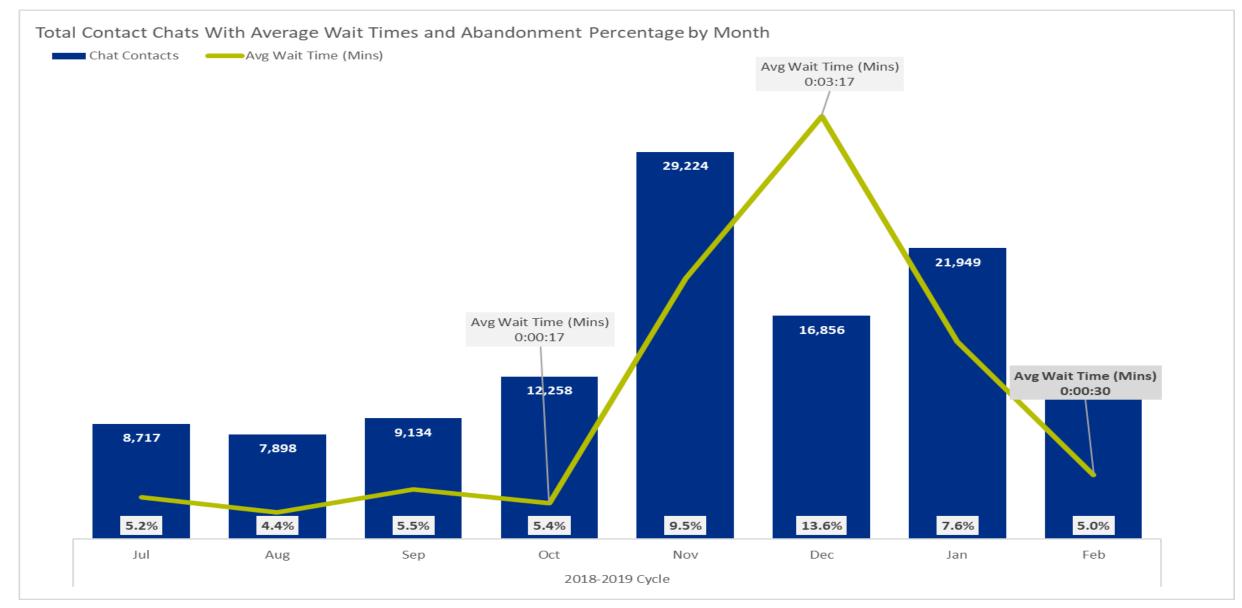
• • • • All Services - Emails



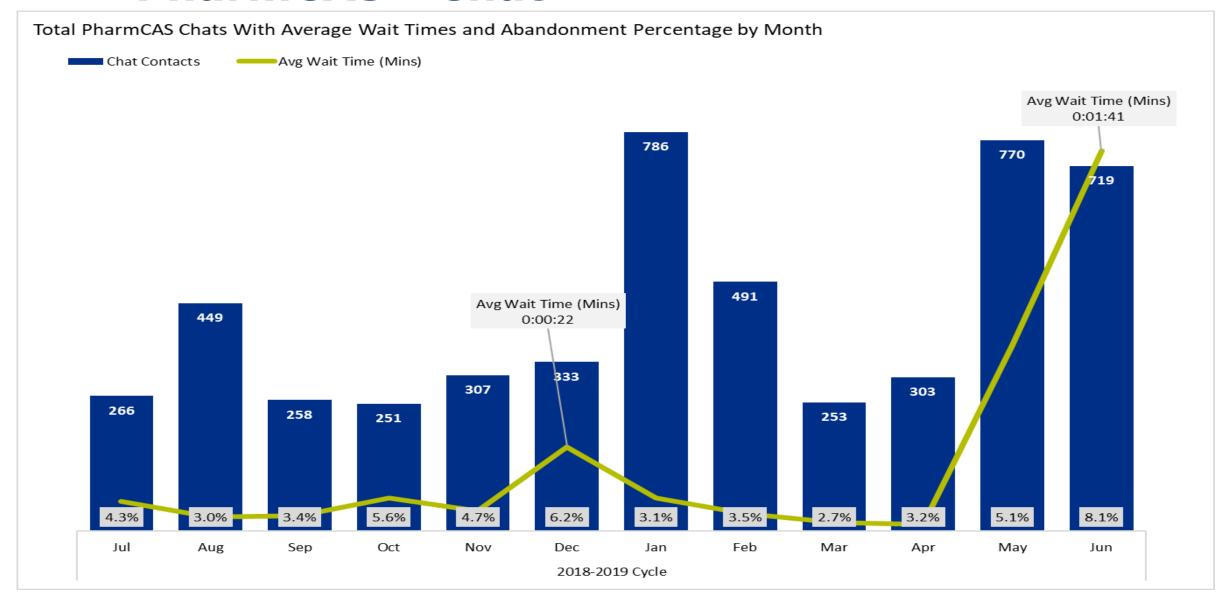
•••• • PharmCAS Emails



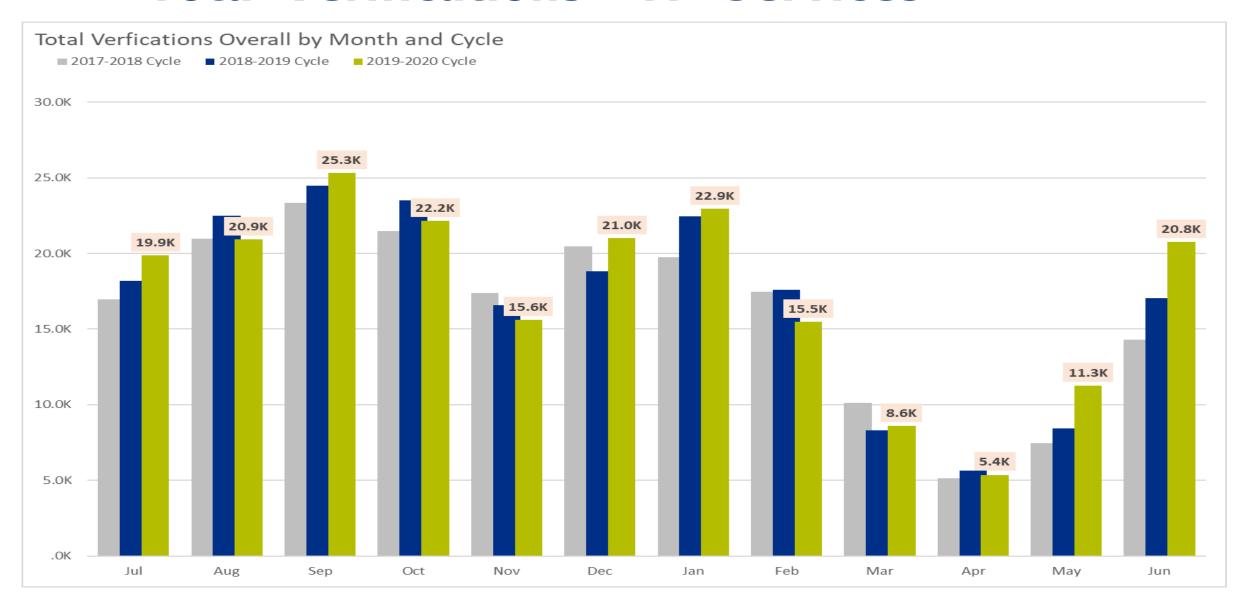
• • • • All Services - Chat



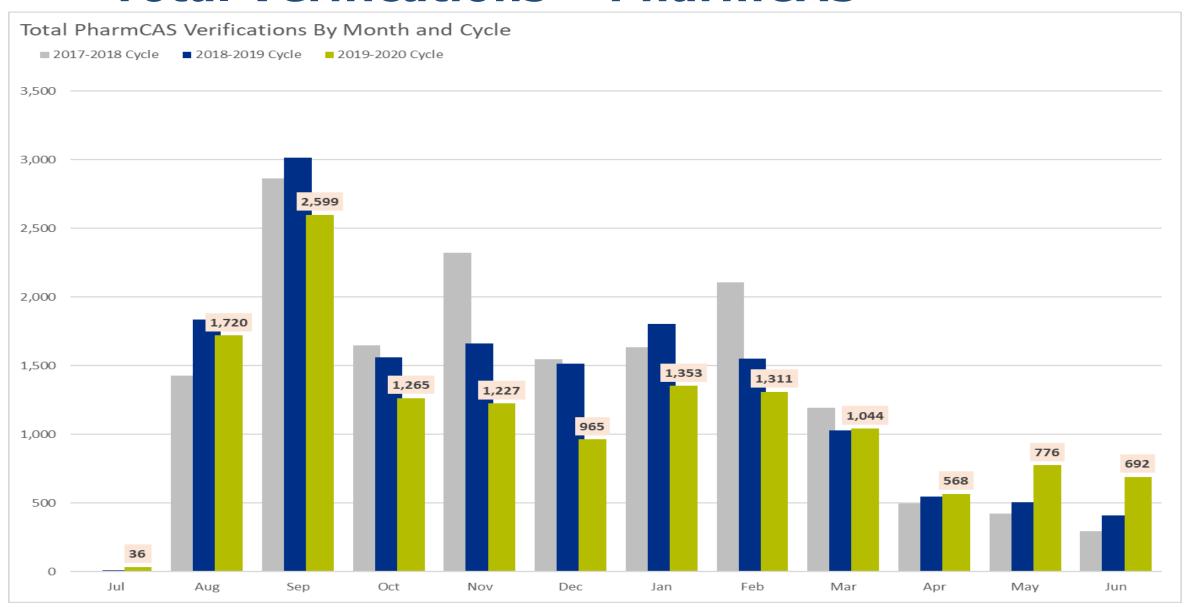
• PharmCAS - Chat



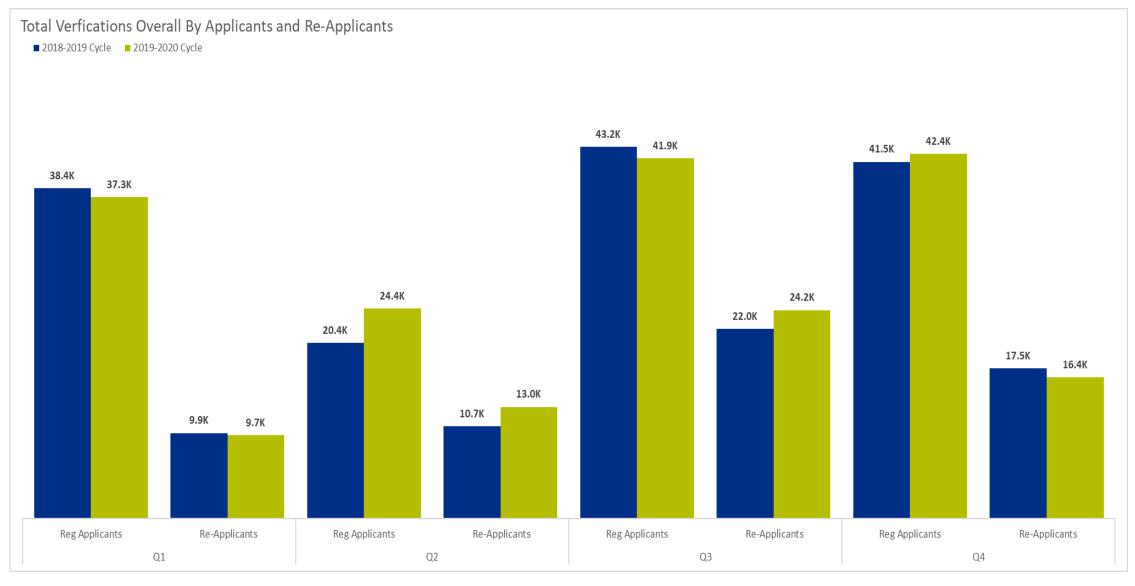
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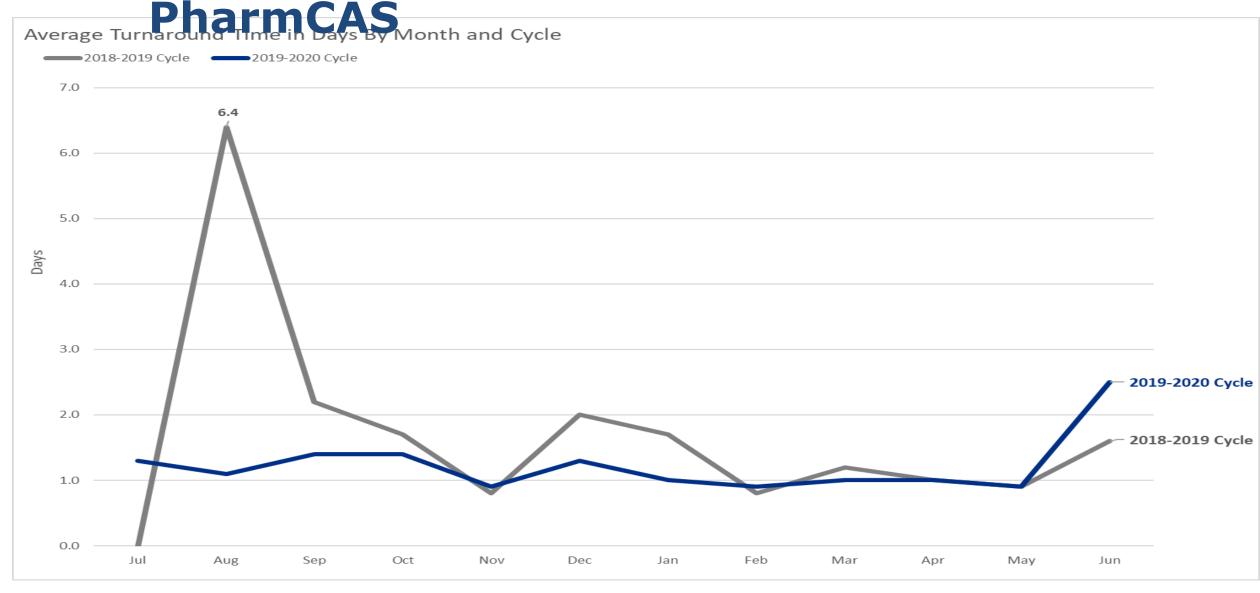
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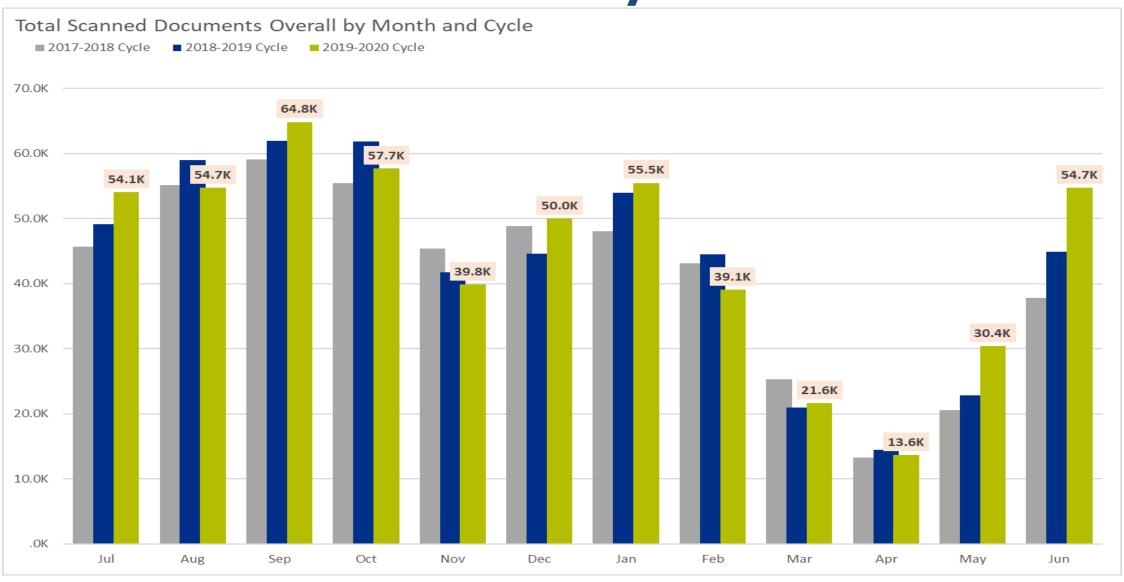
• Verifications: All CASs



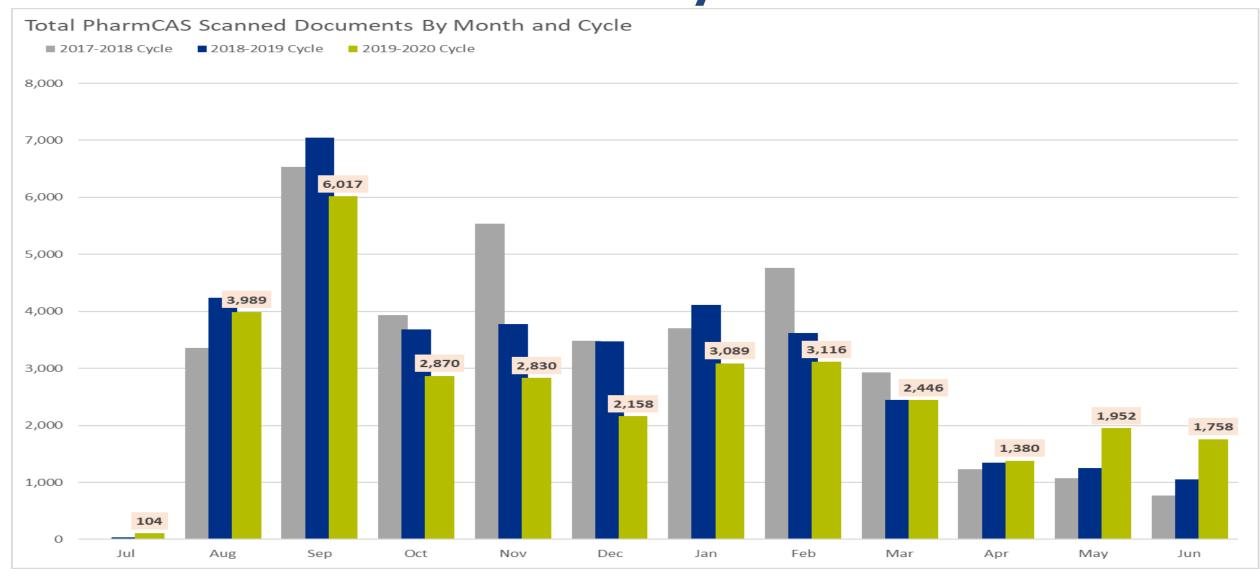
Verification Average Turnaround Time:



• • • • Scanned Documents by Month: All CASs



• • • • Scanned Documents by Month: PharmCAS











Questions

