



PharmCAS User Session AACP 2007 Annual Meeting

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2007-08 Advisory Panel

- Beverly Brunson (Colorado)
- Donald Tuttle (LECOM)
- Edwin Adams (Louisiana – Monroe)
- Gary DeLander (Oregon)
- Jennifer Clutter (West Virginia)
- Jonathon Parker (Samford) CHAIR
- Paul Jungnickel (Auburn)
- Steven Davis (Touro-CA)
- Thomas TenHoeve (Illinois-Chicago)
- William Dunfey (Massachusetts-Boston)



PharmCAS Participation

June 1 for the 2008 entering class

58 PharmCAS Institutions

12 – Partial Participating

46 – Full Participating

27 – Private Institutions

31 – Public Institutions

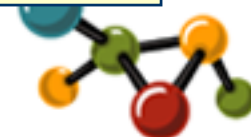


Welcome New PharmCAS Schools

2007-08

48. East Tennessee State University
49. Northeastern Ohio Universities (NEOUCOP)
50. Temple University
51. University of Louisiana at Monroe
52. Massachusetts College of Pharmacy-Boston
53. University of Tennessee
54. University of Cincinnati
55. University of Hawaii-Hilo
56. Thomas Jefferson University
57. St. John Fisher College
58. Long Island University

University of Michigan (2008-09)



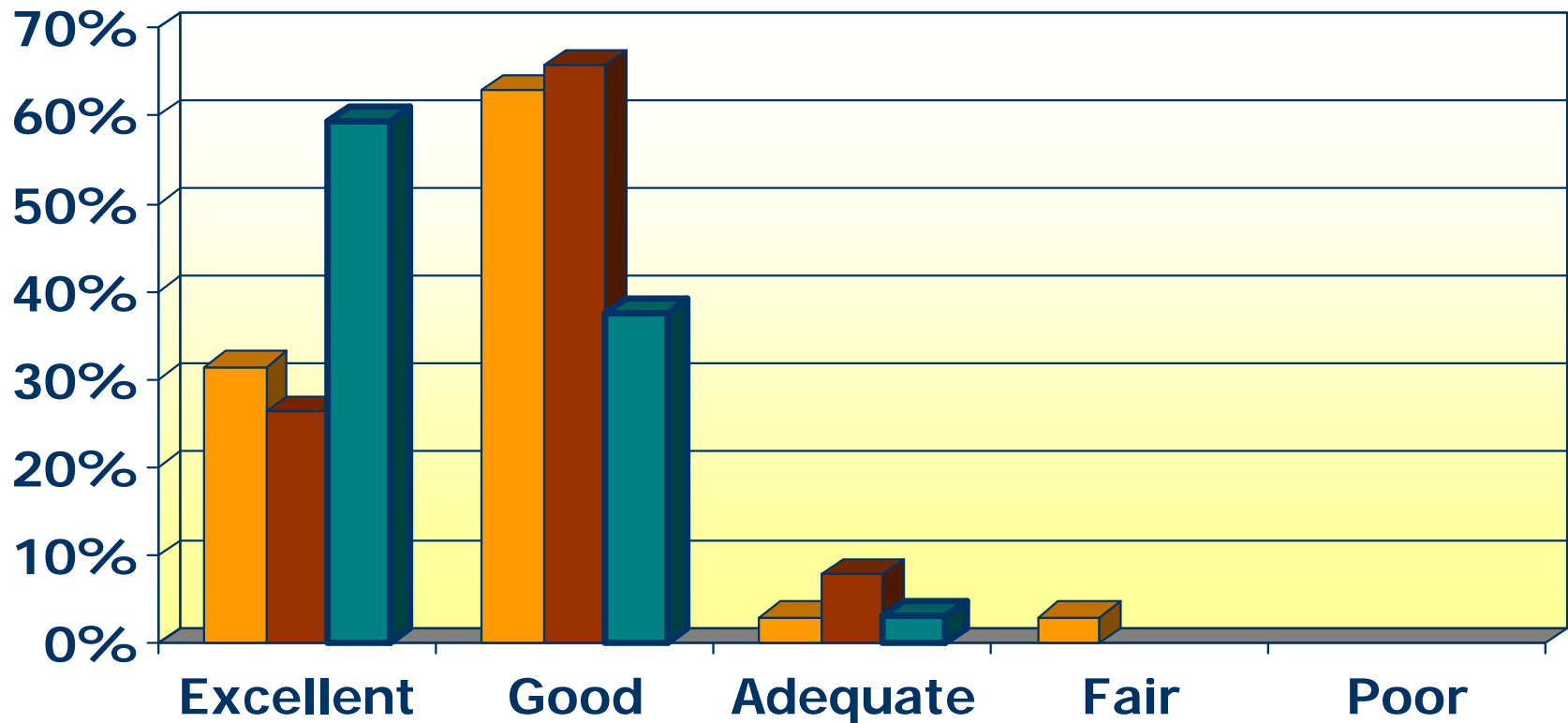
PharmCAS Deadline Summary 2007-08

- **November:** 7 schools
- **December:** 9 schools
- **January:** 15 schools
- **February:** 20 schools
- **March:** 7 schools



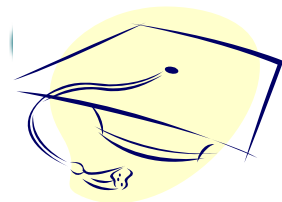
2007 School Survey Results

How do you rate your overall experience with PharmCAS?



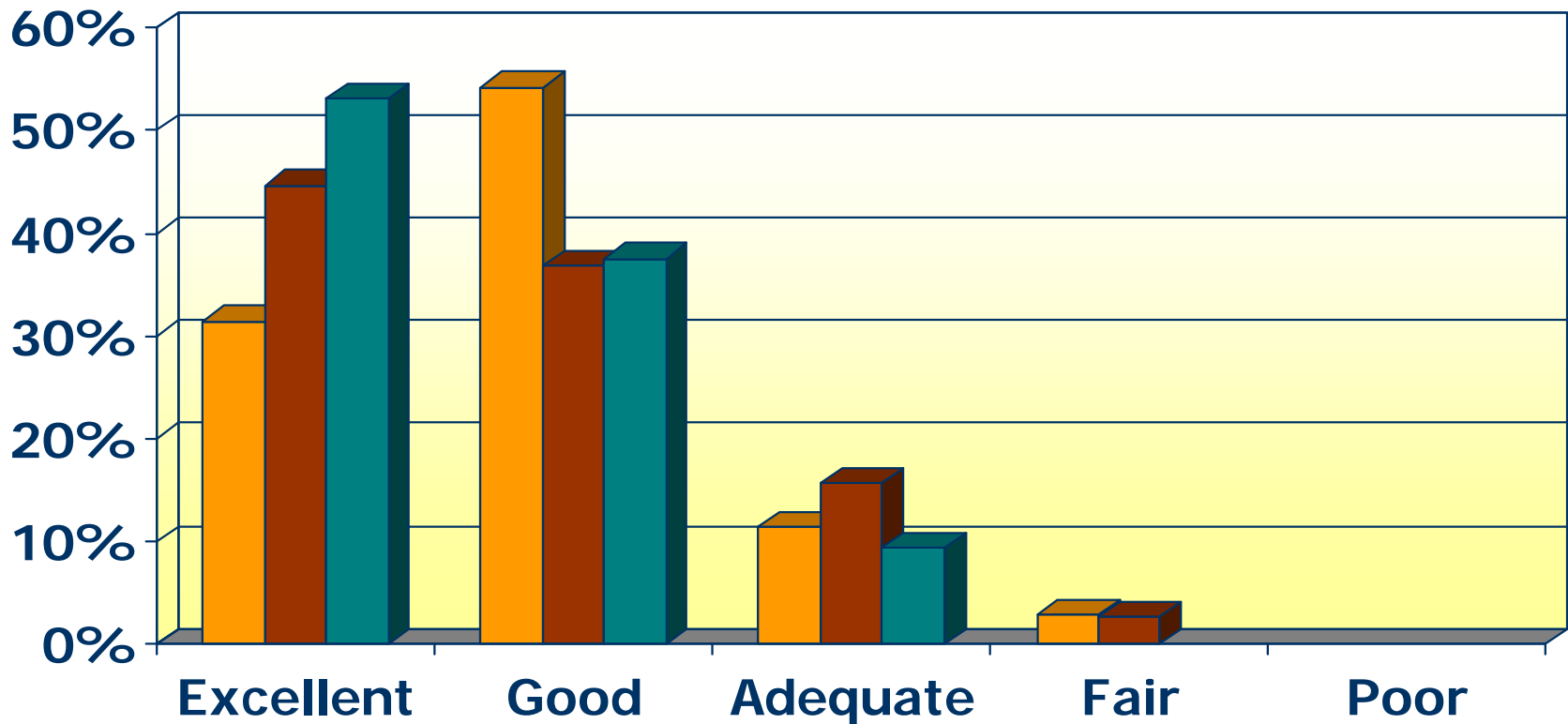
(2005) N=35
(2006) N=38
(2007) N=32

2005 2006 2007



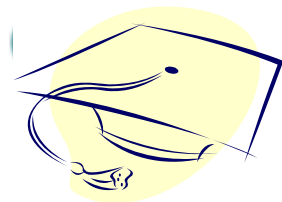
2007 School Survey Results

How do you rate the ACCURACY of the PharmCAS transcript verification process?



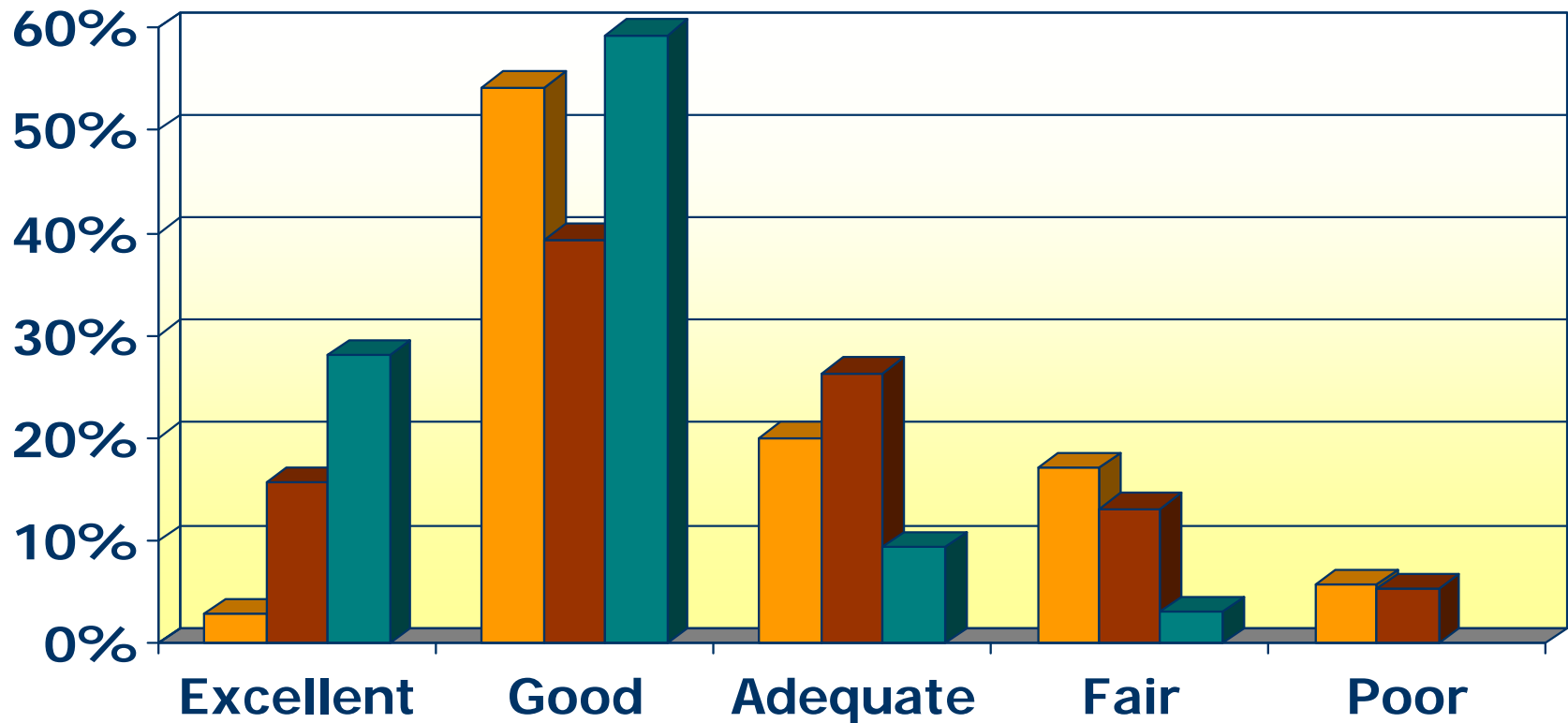
(2005) N=35
(2006) N=38
(2007) N=32

2005 2006 2007



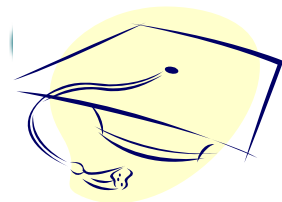
2007 School Survey Results

How do you rate the TIMELINESS of the PharmCAS transcript verification process?



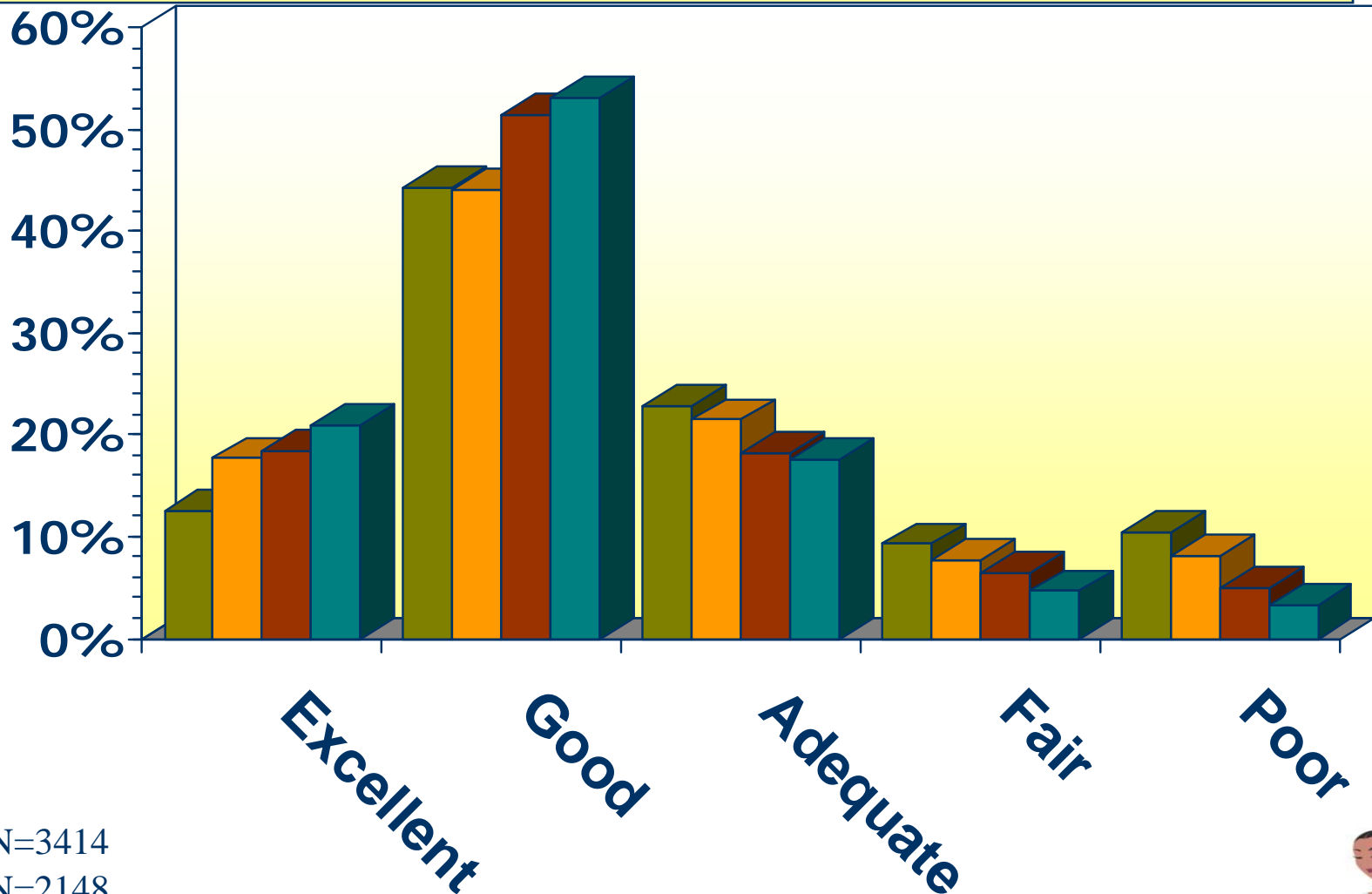
(2005) N=35
(2006) N=38
(2007) N=32

2005 2006 2007



2007 Applicant Survey Results

Overall Experience with PharmCAS



(2004) N=3414

(2005) N=2148

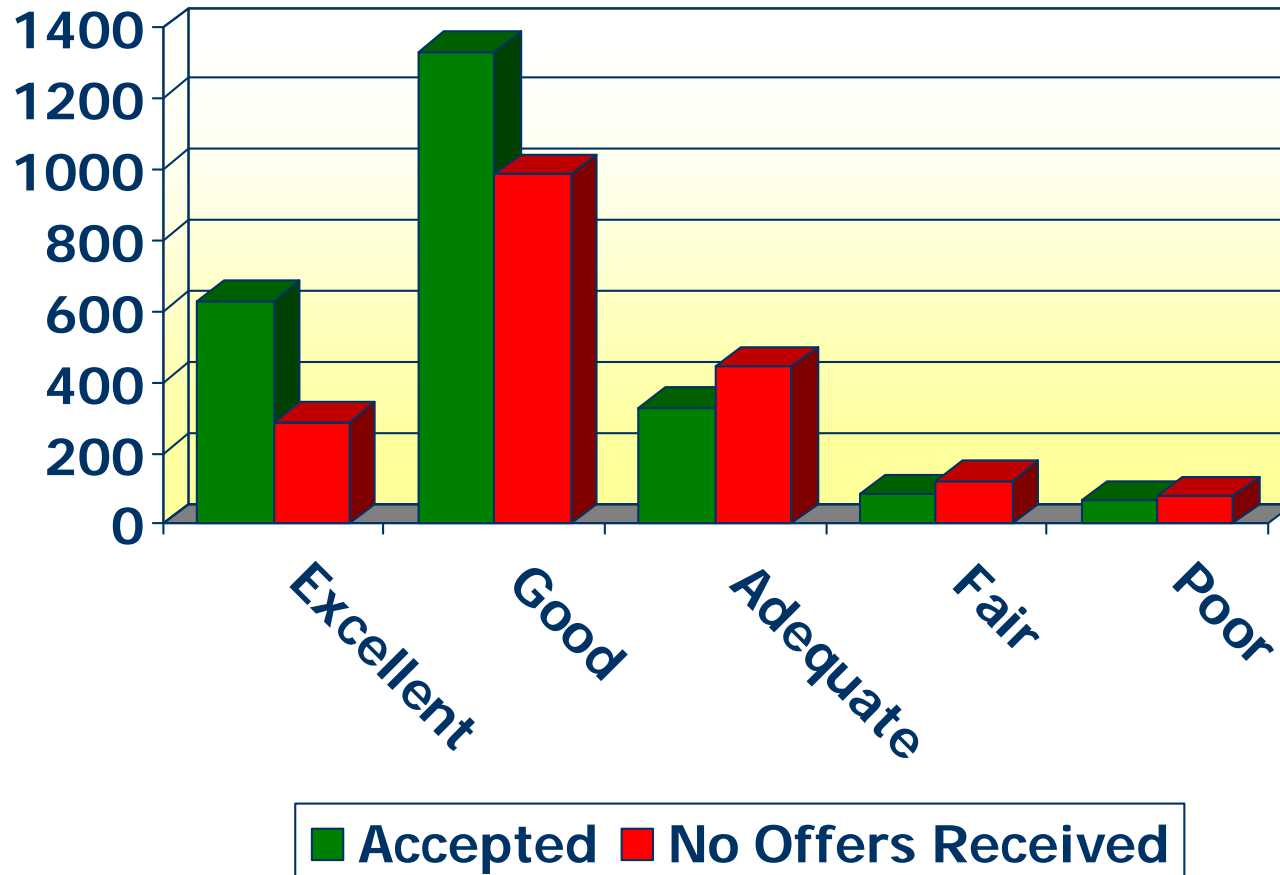
(2006) N=4189

(2007) N=4361

■ 2004 ■ 2005 ■ 2006 ■ 2007



Applicants Overall Experience vs. Offers of Admission



2007 Applicant Survey Results

		Hours to Enter All Course on PharmCAS Application										
Number of Courses Entered	1<	1	2	3	4	5	6	7	8	9	10	11
0-10 Courses	45%	13%	5%	13%	5%	4%	4%	2%	2%			
11-20 Courses	20%	36%	26%	7%	6%	1%	1%		1%		1%	
21-30 Courses	15%	32%	29%	12%	4%	3%	1%				1%	
31-40 Courses	8%	31%	29%	14%	7%	3%	2%	1%	1%		1%	
41-50 Courses	5%	25%	30%	17%	9%	4%	3%	1%	1%	1%	1%	
50+ Courses	2%	17%	27%	19%	10%	7%	4%	2%	2%	1%	2%	



Negative Applicant Comments

- **Supplemental applications and fees**
 - Supplemental applications repeat questions on PharmCAS application
 - Supplemental fees are too high
- **Entering all courses – time consuming**
- **GPA standardization process**
- **Repeat applicants would like data and materials pulled forward.**



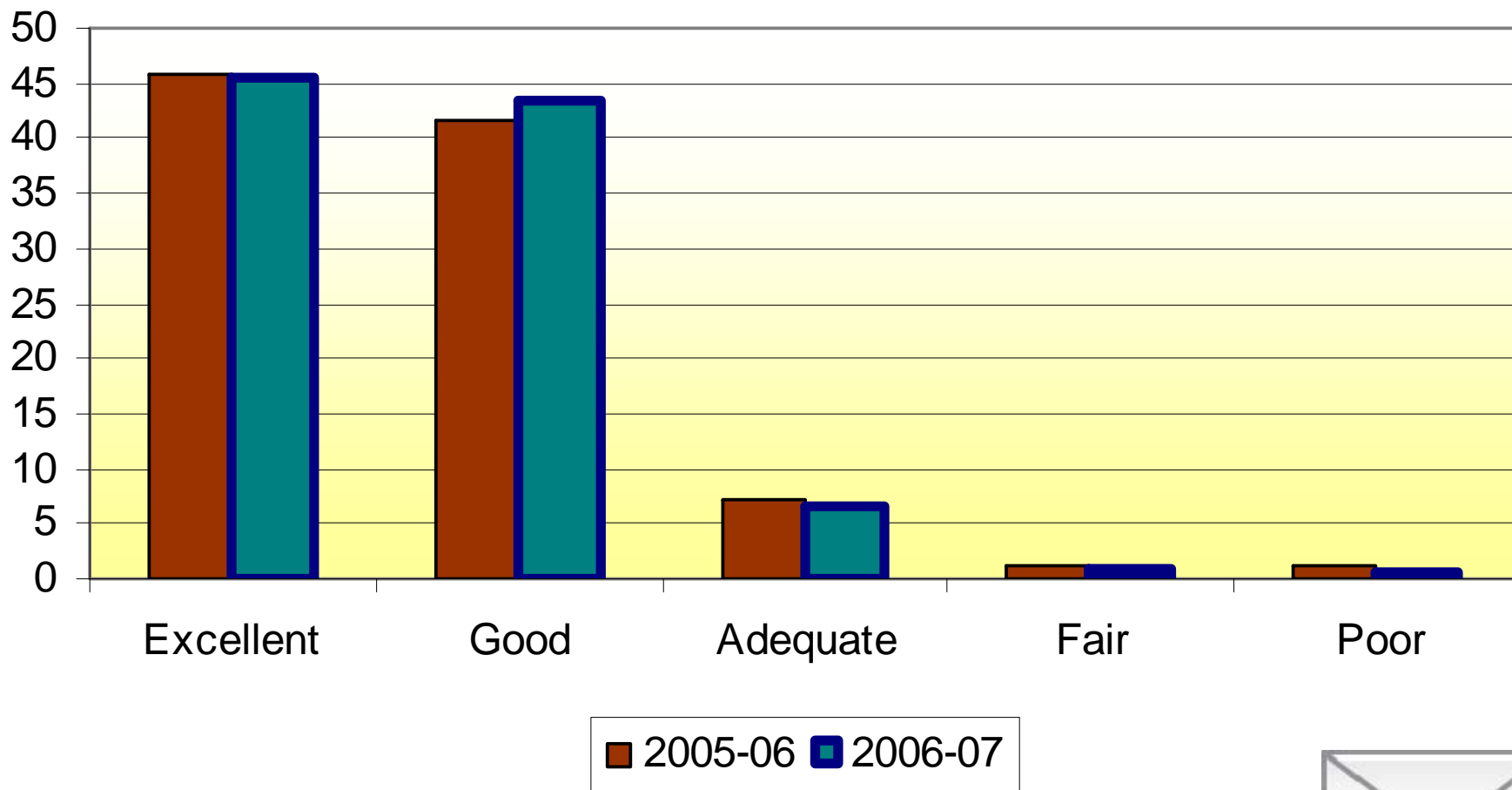
Positive Applicant Comments

- **PharmCAS customer service.**
- **Ability to submit a single application.**
- **Electronic reference process.**
- **School information pages.**
- **PharmCAS and supplemental status checks.**



2007 Evaluator Survey Results

Overall Experience with PharmCAS



■ 2005-06 ■ 2006-07



(2005)N= 3791, (2006) N=5826

2007 Evaluator Survey Results

Overall vs.

Number of Years Submitting References

Number of years evaluator has submitted references on behalf pharmacy applicants?	Overall Rating of PharmCAS Reference Process					
	Excellent	Good	Adequate	Fair	Poor	No Answer
1-2 years	44%	46%	7%	1%	1%	2%
3-5 years	49%	42%	6%	1%	0%	2%
6-10 years	48%	42%	6%	2%	1%	2%
11 or more years	49%	38%	9%	1%	1%	2%
Not applicable	33%	48%	6%	1%	1%	11%



eLOR Summary Data

- 46 'I am not able to recommend this applicant'
- 376 'I recommend this applicant, but with some reservations'
- 4470 'I recommend this applicant'
- 31369 'I highly recommend this applicant'



eLOR Reference Types

Professor (Science)	38.4%
Supervisor	12.6%
Pharmacist	11.6%
Employer	9.6%
Other	5.6%
Professor (Liberal Arts)	4.2%
Co-Worker	3.8%
Friend	3.5%
Faculty Advisor	3.4%
Professor (Math)	2.1%
Health Care Prof.	1.6%
Teaching Assistant	1.6%
Advisor	1.0%



eLOR Rating Summary

How would you rate the applicant for each of the following characteristics? Please select the rating that best describes the applicant in each category.

Category/Rating	5	4	3	2	1	N/A
Oral Communication	47%	40%	10%	1%	1%	1%
Written Communication	36%	39%	11%	1%	0%	13%
Intellectual Ability	54%	35%	8%	1%	0%	2%
Leadership	40%	35%	13%	1%	0%	11%
Ethics	72%	21%	3%	0%	0%	4%
Empathy	60%	29%	5%	1%	0%	5%
Reliability	70%	24%	4%	1%	0%	1%
Judgment	52%	37%	8%	1%	0%	2%
Interpersonal Relations	62%	30%	5%	0%	0%	3%
Adaptability	51%	35%	7%	1%	0%	6%
Professional Appearance	64%	30%	5%	0%	0%	1%

(2007) N=36,045 eLORs

5=Superior, 4=Excellent, 3=Good, 2=Average, 1=Below Average, N/A=Not Observed



PharmCAS Year End Reports

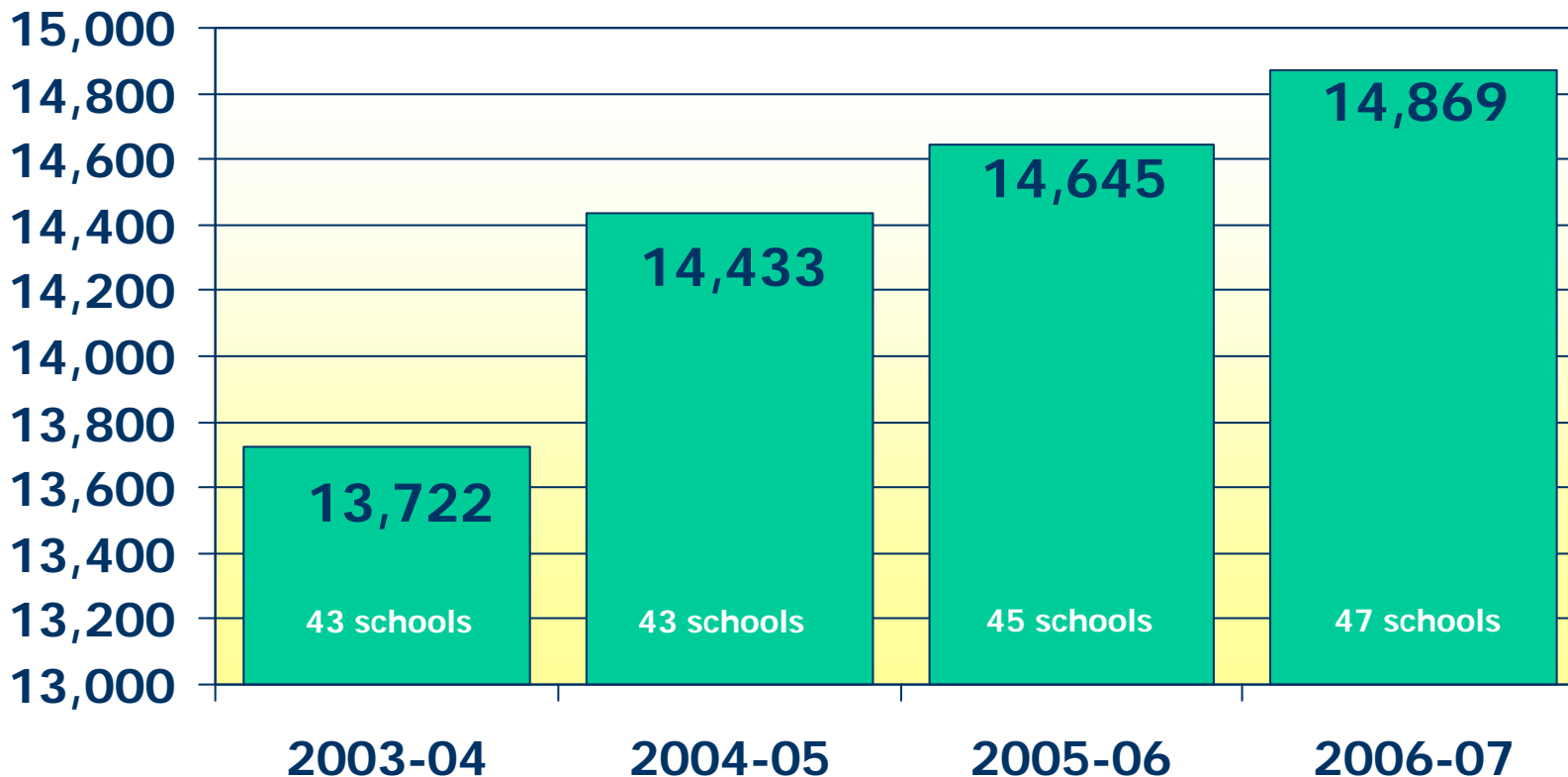
Available in October 2007 for the 2006-07 Admissions Cycle

School-specific and National Data

New PharmCAS reports may be added in October 2007 for the 2006-07 cycle.



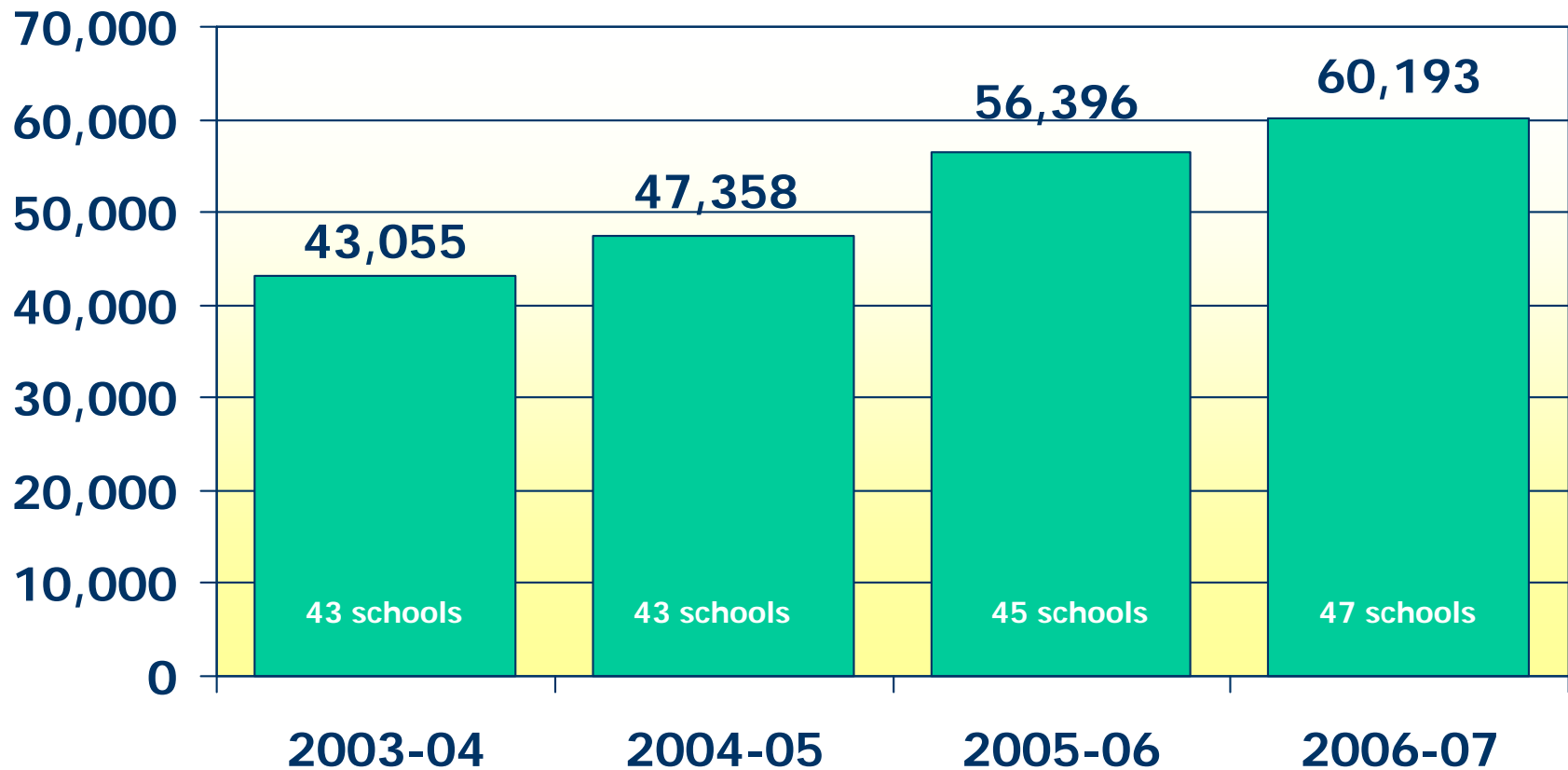
PharmCAS Applicant Trends



Complete/mailed PharmCAS applicants only.



PharmCAS Application Trends



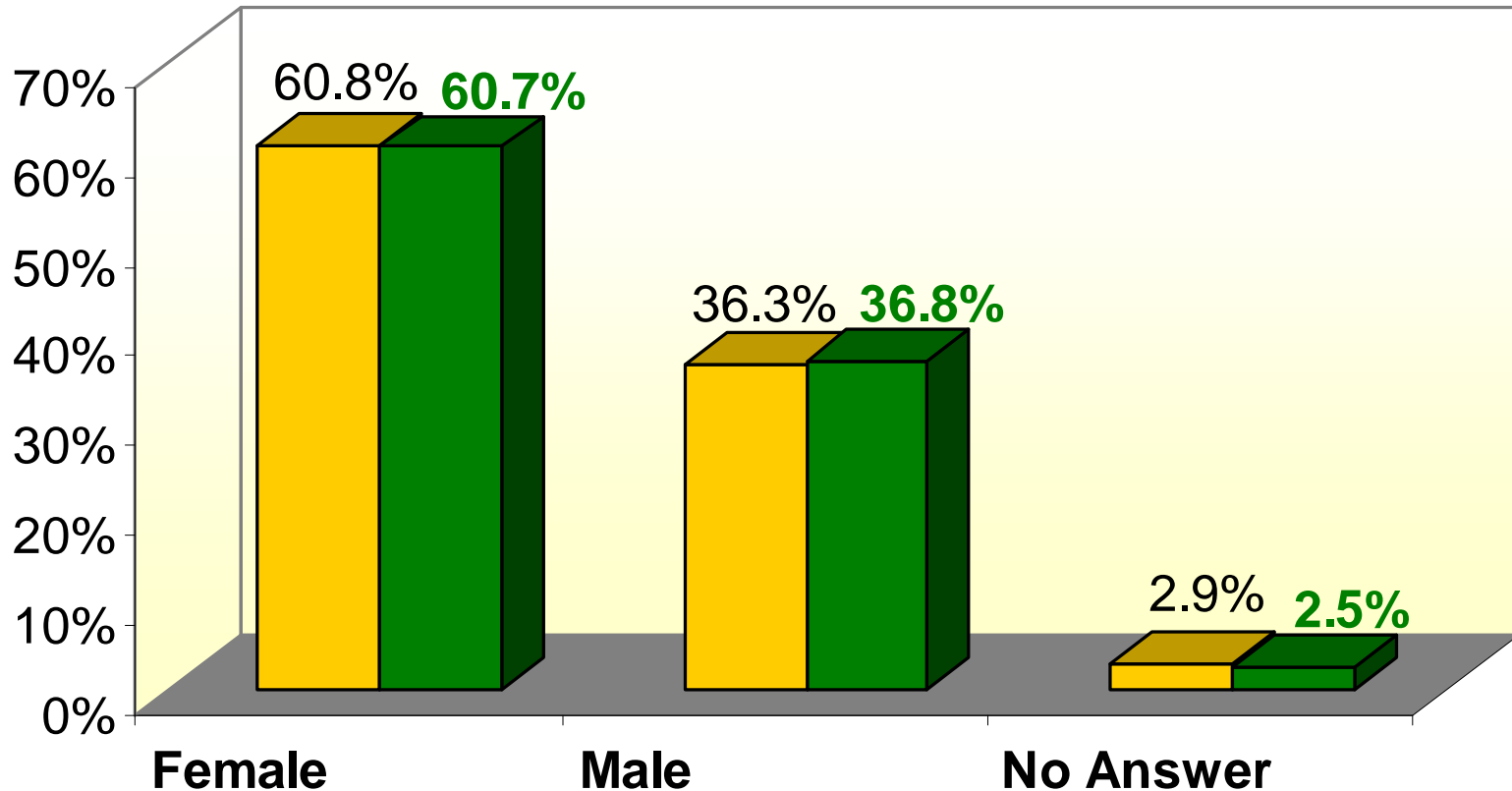
One applicant may submit multiple applications

2006-07 PharmCAS Applications

- Median & average change in apps = 6%
- Range in percent changes:
 - - 350% to 64%
 - With unique schools excluded: - 74% to 64%
- **29 Schools – increase in apps**
- **15 Schools – decrease in apps**
 - 2 Schools not in PharmCAS during the previous year.



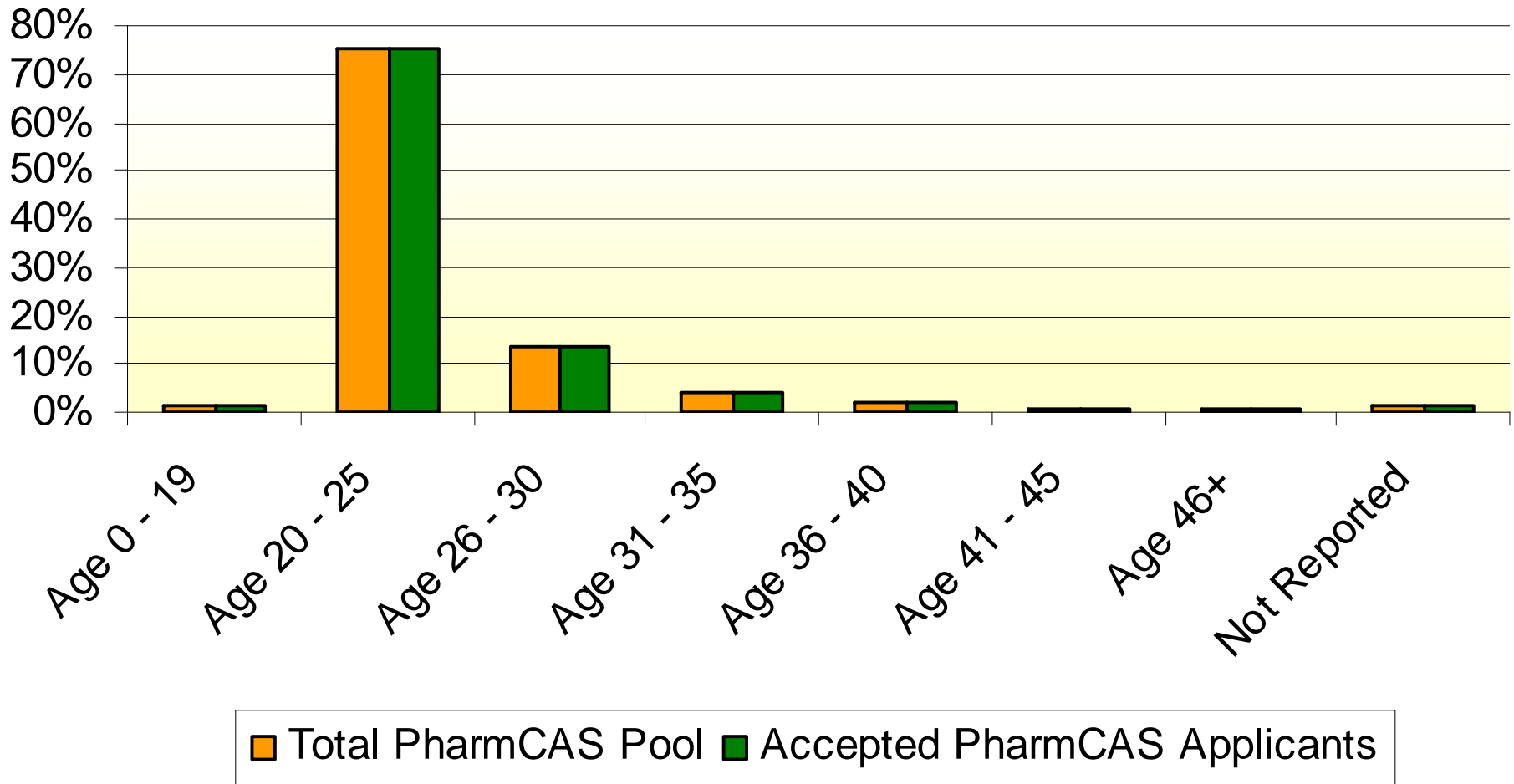
Accepted PharmCAS Applicants by GENDER (2006-07)



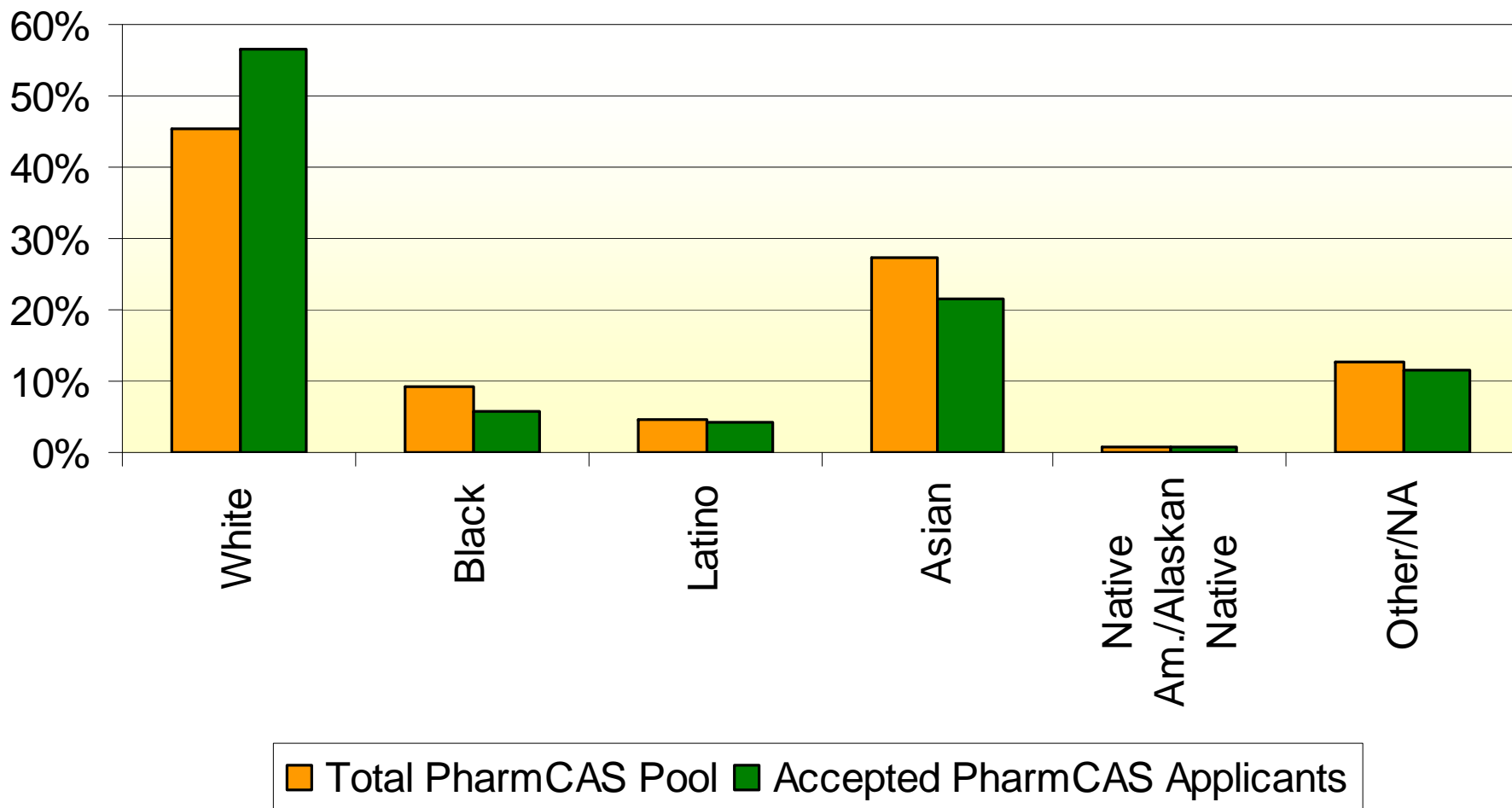
*Preliminary data only. Final PharmCAS data for the 2006-07 cycle will be available in October 2007.

■ Total ■ Accepted

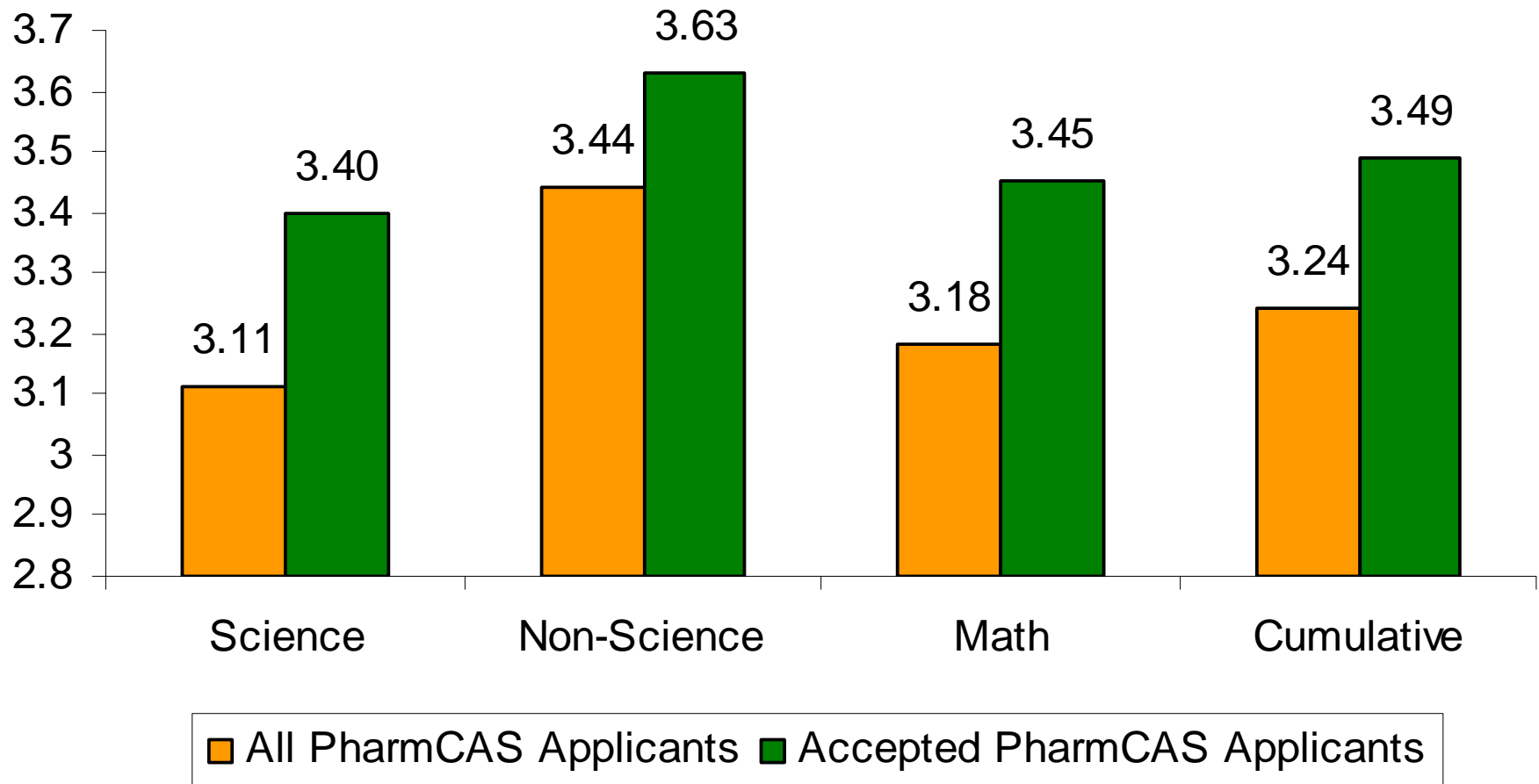
Accepted PharmCAS Applicants by AGE (2006-07)



Accepted PharmCAS Applicants by RACE/ETHNICITY (2006-07)



Accepted PharmCAS Applicants by UNDERGRADUATE GPAs (2006-07)



Top Feeder Institutions for PharmCAS

(2006-07)

U. of CALIFORNIA-IRVINE	425	U. of NEW MEXICO	196
U. of CALIFORNIA-L.A.	319	U. of PITTSBURGH	196
U. of FLORIDA	302	WAYNE STATE U.	192
U. of CALIFORNIA-SAN DIEGO	268	U. MINNESOTA-TWIN CITIES	188
PURDUE U.	260	PASADENA CITY C.	187
U. of ILLINOIS AT CHICAGO	251	U. CALIFORNIA-BERKELEY	184
U. of CALIFORNIA-DAVIS	249	U. GEORGIA	176
U. at BUFFALO	240	FLORIDA INTERNATIONAL U.	174
SAN DIEGO MESA C.	238	UNC-CHAPEL HILL	173
MIAMI-DADE C.C. FL	230	AUBURN U.	169
IRVINE VALLEY C.	224	U. KENTUCKY	167
ORANGE COAST C.	221	U. CALIFORNIA-RIVERSIDE	166
GOLDEN WEST C.	219	U. SOUTH FLORIDA	165
SANTA MONICA C.	219	U. WASHINGTON	161
BROWARD C.C.	211	VIRGINIA COMMONWEALTH U.	160
GEORGIA PERIMETER C.	211	WEST VIRGINIA U.	160

*Applicants enrolled in **one** or more courses at the institution. PharmCAS reports include institution-specific feeder data in addition to national data.

Number of Offers vs. Number of PharmCAS Designations

PharmCAS Designations	# of Applicants	NO Offers	OFFERS							
			1	2	3	4	5	6	7	
1	4478	2870	1608							
2	2316	1661	573	82						
3	1902	1293	515	87	7					
4	1479	1005	365	86	23					
5	1119	740	283	76	18	2				
6	942	642	210	69	18	2	1			
7	638	419	153	45	17	4				
8	435	268	112	37	12	4	2			
9	332	218	67	39	5	2	1			
10	277	186	66	17	6	2				
PharmCAS Designations	# of Applicants	NO Offers	OFFERS							
			1	2	3	4	5	6	7	
44	1	1								
45	0									
46	1	1								
47	2		1		1					
Total:	14869	9890	4183	627	138	23	7	1		

Example of PharmCAS Applicant-specific Data

Last Name	First Name	Middle Name	PharmCAS ID	SSN	Perm. State of Res.	# of Des.	PharmCAS School	Admission Code
Doe	John	George	20060123456	555-55-5555	AL	2	* Samford University	Denied
							Auburn University	Denied
Smith	Jon	M	20060777777	444-33-2222	AL	1	* Samford University	Matriculated
Williams	Jane	Ellen	20060888888	555-33-1111	FL	7	* Samford University	Denied
							Auburn University	Matriculated
							Florida, University of	Denied
							Kentucky, University of	Denied
							Mercer University	Denied
							Nova Southeastern University	Declined offer
							South University	Withdrew

Report published in October following end of the admissions cycle. It provides a list of all complete/mailed applicants for the individual PharmCAS school. Report identifies the other PharmCAS schools designated by each applicant and the final admission decision at each of the applicant's designated PharmCAS institutions.

What's New in 2007-08

- **Application volume to date:**
 - July 1, 2007: 6,946 accounts (134 verified)
 - July 1, 2006: 5,373 account (114 verified)
- **Reference volume to date.**
- **Early Decision deadline: August 31.**
- **Academic Update opens: December 14.**
- **PCAT reporting options:**
 - All to PharmCAS or continue to send paper to school.
 - June PCAT for 2007-08 cycle.



Fee Waiver

- Financially disadvantaged applicants.
- Waiver approval based on applicant's (or parents') income, as reported on the most recent tax return.
- First-come, first-serve basis.
- Up to 3 designations free.
- \$40 for each additional designation.
- AACCP waiver fund covers up to 186 applicants.
- # of requests & approvals to date.



Primary Institution

- **Definition:** College or university where the applicant will earn (or has earned) the first bachelor's degree. If no degree is planned, the applicant is instructed to select the institution where s/he completed the majority of undergraduate courses.
- **PharmCAS will only edit this field if an obvious error is made.**



Reference Enhancements

- Automated email confirmation from PharmCAS when eLOR is e-submitted.
- Character count added to comment fields.
- New question: "If you were (are) the applicant's supervisor, employer, co-worker, or volunteer coordinator, please indicate the applicant's position title."



Additional Enhancements

- **Supplemental status**
 - Status info updated every other day.
 - Launching earlier: **August 1**
 - Schools should send updates at least weekly.
- **Primary language question changed to read, “**Is English your native language?**”**
- **If college attended is foreign, the institution name and country will appear on printed application and admissions portal.**
- **Microbiology added to course subject list.**
- **New professional licenses section.**



Academic Status Field

Freshman, Sophomore, Junior, Senior, Graduate,
Professional, Post-BS Undergraduate

- **Definition**: Student registration status during term, regardless of course level.
- **Example**: Community college course taken between junior and senior year of degree program.
- PharmCAS will only edit field if an obvious error is made.



New GPAS in 2007-08

• By Academic Status

- Freshman
- Sophomore
- Junior
- Senior
- Graduate
- Professional
- Post-BS Undergraduate

• By Course Subject

- Biochemistry
- Biology
- Inorganic Chemistry
- Math
- Microbiology
- Organic Chemistry
- Other Science
- Physics
- Social Science



Personal Essay

- "Your Personal Essay should address why you selected pharmacy as a career and how the Doctor of Pharmacy degree relates to your immediate and long-term professional goals. Describe how your personal, educational, and professional background will help you achieve your goals."
- Added: "Each pharmacy school reserves the right to require additional essay responses as part of the supplemental application process."



Felony Question

Added "PharmCAS requires you to report any felony convictions. You may also be required to report one or more of the following types of records directly to your designated pharmacy schools with details about the judgments or disciplines.

- * Misdemeanor convictions
- * Arrests for misdemeanors and felonies
- * Adjudication withheld
- * Nolo contendere
- * Plea bargain"



Other Announcements

- **Send your 2006-07 matriculation data to PharmCAS by SEPTEMBER 10.**
- 2006-07 Year-end reports available in October.
- Advisor Portal launched.
- PharmCAS webcast: July 26 @ 3pm ET.
- 2007-08 PharmCAS School Manual on AACCP site.
- Slides on AACCP web site.



NOLIJ Agreement



Plans for 2008-09

- Pull repeat applicant data forward from 07-08, **IF** ...there are no changes to the Coursework and Colleges Attended sections.



Planned Use for PharmCAS Data

Comprehensive longitudinal tracking of pharmacy graduates from pre-professional education and throughout their careers.



Accreditation

Guideline 17.7

As a component of its evaluation program, the college or school should undertake studies to correlate admissions criteria, policies, and procedures with student achievement in the professional degree program and performance in professional practice.

- **Peer & Regional Comparisons**
- **Trends**
- **Outcomes**
 - How do graduates apply knowledge in practice?
 - Which pharmacy students are most likely to pursue graduate education?



Academic Success in Pharmacy Versus Pre-Pharmacy Background

- **Pilot Study Planned**
 - PharmCAS schools would provide professional GPAs by year for each professional student.
- **Role of pre-pharmacy background?**
 - How do community college students perform in comparison to students at 4-year institutions?
 - Do returning adult students have greater success in pharmacy school as compared to younger individuals?
 - Does the pre-pharmacy organic chemistry GPA predict success in the professional curriculum?



Break & Panel Discussion

