

# PhD Programs in Perelman School of Medicine

## PhD Admissions

AY 2018-2020

Adm Rate  
**15.8%**

Yield  
**47.6%**

% Int'l

Applicants

39.2%

% US

60.8%

# of Countries

102

# of States

49

Test Scores  
Matriculants

	3-year		3-year Totals		
	Avg	Total	Women	URM	Int'l
Applicants	1,825	5,476	3,146	656	2,148
Admits	288	865	533	164	91
Acceptances	137	412	244	85	46
Matriculants	137	412	244	85	46
Adm Rate	15.8%	16.9%	25.0%	4.2%	
Yield	47.6%	45.8%	51.8%	50.5%	

### Top Countries Non-US

China	1,042
India	286
South Korea	139
Taiwan	101
Canada	52

### Top States

Pennsylvania	506
California	372
New York	304
Maryland	287
Massachusetts	270

### Average

GRE Verbal	159.8	160
GRE Quant	161.3	161
GRE Writing	4.4	4.5
TOEFL	104.3	103

### Median

## PhD Enrollment

Fall 2019

Headcount  
**893**

Median Age  
**26.4**

# of Countries

28

# of States

40

% Women	% URM	% Int'l
57.8%	18.8%	10.6%

Fontaine Members

135

	Total	Female	Male
Total	893	516	377
International	95	53	42
URM	168	110	58
Asian/PI	163	93	70
White/Other/Unk	467	260	207

### Top Countries Non-US

China	43
India	12
Canada	6
Georgia	4
South Korea	3

### Top States

Pennsylvania	146
Massachusetts	73
California	70
Maryland	69
New York	65

## PhD Recipients

### Traditional PhD Students

AY 2017-2019

Median Time to Degree **5.92**

	Total
Degree Recipients	255
Median Time to Degree	5.92
Less than 4 yrs	4.3%
4 or more & less than 6 yrs	54.5%
6 or more & less than 8 yrs	38.8%
8 or more yrs	2.4%

## Completion Rates

### Traditional PhD Cohorts

Entering AY 2009-2011

Completion Rate **86.2%**

	Total
Total Headcount	325
Completion Rate	86.2%
Median Time to Degree	5.75
Not Completed	13.8%
Did not enroll after year 2	7.7%
Enrolled AY2019	-

## Demographic Details of PhD Recipients

AY 2017-2019

	Total
Have a spouse/partner	56%
Have children	7%
Identify as LGBTQ	7%
Low-income or working-class	22%

## Graduate Group Faculty

Fall 2018

# of Departments Represented

**46**

	Total	Women	URM	Int'l
Standing Faculty	560	169	27	10
Non-standing Faculty	94	21	4	-

### Faculty Headcount by Dept (Top 5)

Medicine	74
Pathology	69
Pediatrics	54
Biostatistics and Epidemiology	51
Biochemistry and Biophysics	28

## Academic Experience of PhD Recipients

AY 2017-2019

	Total
Prob/def pursue a PhD at Penn again	86%
One or more publications	95%
Avg Advisor support (1-4)	3.4
Avg Program climate (1-5)	4.4

## Career Outcomes

### 1 to 5 years after graduation

AY 2014-2018 PhD Recipients

% w/ current job information

**97.4%**

Sectors	Position Types (Top 5)
Academia	49.3%
For-profit	37.1%
Nonprofit	8.8%
Government	4.8%
Postdoc	31.8%
Scientists & Research Occupations	21.6%
Healthcare Practitioners	13.4%
Management Occupations	10.7%
Other Educational Occupations	8.0%

## Career Outcomes

### 6 to 10 years after graduation

AY 2009-2013 PhD Recipients

% w/ current job information

**98.1%**

Sectors	Position Types (Top 5)
Academia	49.9%
For-profit	36.8%
Nonprofit	6.4%
Government	5.7%
Other	1.2%
Management Occupations	20.4%
Scientists & Research Occupations	20.4%
Tenured & Tenure Track	20.2%
Other Educational Occupations	11.7%
Healthcare Practitioners	11.3%

# Definitions

General	<ul style="list-style-type: none"> <li>• <i>Data source for race/ethnicity information on students, employees, and post-doctoral affiliates</i> : Penn People. Penn People allows members of the community to enter/update information for Hispanic ethnicity and race; as a result, race/ethnicity data are subject to change over time.</li> <li>• Academic Year (AY) is a 1-year unit encompassing Summer, Fall and Spring semesters, e.g.: AY 2019 = Summer 2018 (sessions I, II, and I2-week), Fall 2018, and Spring 2019 semesters.</li> <li>• <b>URM</b> (Under-Represented Minority) includes U.S. Citizens and Permanent Residents who identify with one or more of the following race/ethnicities: Hispanic/Latino/a, African American/Black, Native American/Alaskan Native. All others are classified as Non-URM.</li> </ul>
Admissions	<ul style="list-style-type: none"> <li>• <i>Data source for Graduate applicants, admits, and matriculants</i> : College Net</li> <li>• <b>Applicants</b> are counts of applicants to PhD programs, for any term (Summer, Fall, Spring) within a given AY.</li> <li>• <b>Admitted</b> are counts of applicants admitted for any term within a given AY, regardless of planned matriculation semester.</li> <li>• <b>Acceptances</b> are those admitted for a given AY who indicate they will enroll in that AY, including those who defer-out to a subsequent AY. Excludes admitted applicants who defer-in from prior years.</li> <li>• <b>Matriculants</b> are those admitted for a given AY who indicate they will enroll in that AY, plus those who defer-in from a prior year. Excludes admitted applicants who defer-out to subsequent years.</li> <li>• <b>TOEFL scores</b> reported by PhD Applicants are converted to Internet-based (iBT) scale (0-120).</li> <li>• <b>GRE scores</b> reported by PhD applicants consist of Verbal Reasoning, Quantitative Reasoning (both scales of 130-170, 1pt increments. Prior to Aug-2011, scale of 200-800, 10pt increments -- these are converted to the new scale), and Analytical Writing (scale of 0-6, half-pt increments).</li> </ul>
Enrollment	<ul style="list-style-type: none"> <li>• <i>Data source for Enrollment</i> : Fall enrollment Census, 5th week of Fall classes</li> <li>• A <b>PhD student</b> is a student enrolled in a PhD program, or pursuing a PhD as part of a dual degree.</li> <li>• <i>Data source for Fellowship and Teaching/Research Assistantships</i> : snapshot from Human Resource Information System/HRIS (stored the Data Warehouse).</li> <li>• <b>Education Fellowship Recipients</b> are PhD students with at least one appointment title of 'Education Fellowship Recipients'.</li> <li>• <b>Teaching or Research Assistant/Fellows</b> are PhD Students with at least one appointment title of: Research Assistant (A or B), Research Fellow, Teaching Assistant, and Teaching Fellow.</li> <li>• <i>Data source for State of Origin for Enrolled Students</i> : College Net</li> </ul>
Completion Rates	<ul style="list-style-type: none"> <li>• <b>Traditional PhD Cohort</b> is a group of PhD students tracked by entry year. Cohorts include only those students who begin their doctoral study at Penn as 1st-time PhD students; excludes Dual Degree and those who do not begin as 1st-time PhD Students.</li> <li>• <b>Completion Rate</b> for a Traditional PhD Cohort is calculated as the percentage of the cohort receiving PhDs within a designated time period.</li> <li>• Time to degree is suppressed for groups less than 3.</li> </ul>
Degree Recipients	<ul style="list-style-type: none"> <li>• <b>Degree Recipients</b> are headcounts of those who entered as Traditional PhD students, and who earned only PhD Degrees, i.e.: excludes those who earned PhDs as part of Dual Degree programs.</li> <li>• <b>Time-To-Degree</b> for PhD recipients is calculated as the time elapsed between a student's Entry Term to a PhD program and the Exit Term from a PhD program, and is not adjusted for leaves of absence. i.e.: Time to Degree = (Exit Term date - Entry Term date) ÷ 365.25.</li> <li>• Time to degree and completion rates are suppressed for groups less than 3.</li> </ul>
Career Outcomes	<ul style="list-style-type: none"> <li>• <i>Data Sources for Career Outcomes</i> : Academic Analytics and Career Tracker</li> <li>• <b>Sector</b> categories: Academia, For-profit; Government; Non-Profit; Other.</li> <li>• <b>Position</b> categories: Education--Tenured &amp; Tenure Track; Postdoc; Other Educational Occupations. Non-Education--Architecture &amp; Engineering Occupations; Arts, Design, &amp; Media Occupations; Computer &amp; Math Occupations; Finance Professional; Healthcare Practitioners; Legal Occupations; Management Occupations; Scientists &amp; Research Occupations; Other Occupations.</li> </ul>
Graduate Group Faculty	<ul style="list-style-type: none"> <li>• <i>Data source for Graduate Group Faculty</i> : snapshot from Human Resource Information System/HRIS stored the Data Warehouse</li> <li>• Graduate programs leading to the Ph.D. and their related research master's degrees are carried out by associations of faculty members called "graduate groups." Many are based in single departments, in which all members of the department's Standing Faculty are members of the grad group, but the group may also include faculty from other departments/schools. There are also grad groups not based in a single department, and composed of faculty from several departments or schools, e.g., Immunology. Faculty members are counted within grad groups according to their departmental appointment, and/or their active grad group membership as indicated in FIS (Faculty Information System).</li> <li>• <b>Standing faculty</b> are faculty members with a tenure-track or clinician educator appointment.</li> <li>• <b>Non-Standing Faculty</b> are Associated Faculty, and also may include others such as Emeriti.</li> </ul>
PhD Exit Survey	<ul style="list-style-type: none"> <li>• <b>Average Advisor Support</b> is the average advisor rating across the following 6 items from the PhD Exit Survey: selection of a dissertation topic; dissertation research; advice writing &amp; revising the dissertation; selection of academic career options; selection of nonacademic career options; search for employment or training. Item scores range from 1-4, with 4 being most positive.</li> <li>• <b>Average Program Climate</b> is the average program climate rating across the following 4 items from the PhD Exit Survey: Students in my program are treated with respect by faculty; the intellectual climate of my program is positive; the social climate of my program is positive; students in my program are collegial. Item scores range from 1-5, with 5 being most positive.</li> <li>• Responses are suppressed for groups less than 5.</li> </ul>