Women and Men Faculty Yale University

A View of 2016-2017





Paula B. Kavathas

WFF Chair (2013-2017)

Professor, Laboratory Medicine and Immunobiology

Nancy L. Ruther

Associate Director and Lecturer, The MacMillan Center (retired)

Table of Contents

Table of Contents
Recommendations
Introduction
Abbreviations
Highlights of Findings

A. Yale Faculty, Current and Historical (pp. 9-17)

- 1. Total by Gender and School, 2016-2017
- 2. Women: Ladder and Non-Ladder University-Wide (2002–2017)
- 3. Ladder by Gender: Tenured vs. Term (2017)
- 4. Women by Department and Program by School
 - a. FAS Departments and Programs
 - b. Medicine, Public Health and Engineering Departments
- 5. Trend in Term and Tenured Women
 - a. University Wide
 - b. School of Medicine
 - c Faculty of Arts and Sciences
 - d. Other Professional Schools

B. Faculty Race, Ethnicity, and Gender (2012–2017) (pp. 18–23)

- 1. a. Trends in Teaching Faculty
 - b. Tables: Teaching Faculty
- 2. a. Trends in Tenured Ladder Faculty
 - b. Tables: Tenured Ladder Faculty
- 3. a. Trends in Term Ladder Faculty
 - b. Tables: Term Ladder Faculty

C. Women Faculty in Leadership (pp. 24-32)

- 1. Deans in All Schools over Thirty Years (1982–2017)
- 2. Department Chairs by School: FAS, MED, ENG, PH (2017)
- 3. 2017 Leadership
 - a. University Wide Leadership
 - b. Provost Office Leadership
 - c. Medical School Leadership
 - d. Faculty of Arts and Sciences Leadership
 - e. Major Centers and Institutes Leadership for MED and FAS
 - f. Heads of College
 - g. Medical School Section Chiefs

D. Women Faculty Special Recognition (pp. 33-35)

- 1. Named Professorships by School (2017)
- 2. Sterling Chairs by School (2017)
- 3. Trends in Sterling Chairs (2002–2017)

E. Women as Graduate Students and Post Doctoral Fellows (pp. 36–38)

- 1. Trends in Enrolled Graduate Students by School (2002–2017)
- 2. Trends in PhD Graduates by URM Group and Nationality (2006–2016)
- 3. Postdoctoral Appointees by URM Group (2017)

Appendix (pp. 39-41)

- A. List of Names for Table C.3.b and C.3.d
- B. YSM Organizational Chart with Names for Table C.3.c
- C. List of Names for Chairs at YSM and YSPH and Names for Table C.3.e

Acknowledgments (p. 42)

Recommendations

Based on the findings in this report, the areas for prioritizing actions are the following:

- 1. Create plans with benchmarks to increase women faculty in departments and programs that currently have low numbers of women faculty.
- 2. Institute more effective efforts to attain faculty diversity through hiring and retention.
- 3. Correct leadership imbalances for heads of institutes and chairs at YSM.
- 4. Take serious steps to address the lack of gender parity in named professorships, especially Sterling Professors.
- 5. Reconsider the honor of a named professorship for faculty guilty of sexual misconduct or other serious violations of conduct.*

^{*}Specific data are not in the report.

Introduction

One of the core activities of the WFF is the production of *Women and Men Faculty, Yale University: The View of 2016-2017*, which is a report compiled every 5 years on the demographics of the University's faculty. Reports dating back to 2002 can be found on our website: wff.yale.edu. The WFF collected information from the Office of Faculty Administrative Services, the Office of Institutional Research, and the Office for Postdoctoral Affairs. This data is a snapshot of the academic year 2016-2017. While achieving true gender equity has many dimensions, it is important to have a clear understanding of the composition of our faculty and how that has changed over time.

The findings of *The View from 2017* belong in the context of a series of structural changes at Yale University over the past five years that contribute to a widespread effort to foster gender equity and to recruit, retain, and support a more diverse faculty at Yale.

One of the most salient changes since the last report was the creation of the School of Engineering and Applied Science, and the School of Public Health. The School of Public Health had been a department of epidemiology and public health within the Yale Medical School (YSM). Engineering had been the Council of Engineering within the Faculty of Arts and Sciences (FAS). In addition, in July 2014, the university created a unified FAS structure with Professor Tamar Gendler as the inaugural dean.

Two new organizations were created among the faculty to increase their voices on campus. In 2015-2016 was the inaugural year of the FAS Senate. The 22 member elected Senate represents and is the voice of faculty from all ranks and divisions within FAS. In September 2015 the YSM Faculty Advisory Council (FAC) was established composed of representatives from each of the 28 departments to provide a forum to bring new ideas and concerns from a range of faculty to the Dean's office.

Introduction (cont.)

In February 2014, a Diversity Summit Visiting Committee evaluated the state of diversity on the campus and submitted recommendations which were released to the community in the fall. These included a recommendation for a chief diversity officer. In response, the position of Deputy Provost for Faculty Development was renamed to include the word diversity and Professor Richard Bribiescas was appointed in January 2015. Given the size of the university, need was perceived for additional individuals whose job would focus on diversity. In 2016, Professor Kathryn Lofton was named the inaugural FAS Deputy Dean for Diversity and Faculty Development. In January 2017, YSM welcomed Dr. Darin A. Latimore as the YSM's inaugural Deputy Dean for Diversity.

Abbreviations used in this document

ARC: School of Architecture

ART: School of Art

Studies

DIV: Yale Divinity School DRA: Yale School of Drama

EEB: Ecology & Evolutionary Biology

ENG: Yale School of Engineering and Applied Science

FAS: Faculty of Arts and Sciences

FES: Yale School of Forestry and Environmental

FEG. V. L. C. L. L. C. F. L. L. C. L. L. C. L. L. C. L. L. C. L. C. L. L. C. L. L. C. L. L. C. L

LAW: Yale Law School

SOM: Yale School of Management YSM or MED: Yale School of Medicine

MUS: Yale School of Music

NELC: Near Eastern Languages & Civilizations

NUR: Yale School of Nursing

YSPH: Yale School of Public Health

Highlights of Findings

A. Yale Faculty, Current and Historical

- The proportion of women faculty in the two largest schools, YSM and FAS is 41% and 36% respectively. Some schools have >40% women (YSPH, Law, Divinity) whereas others have <30% (SOM, Engineering, Music).
- Over half of the departments and programs in FAS and YSM have at least 33% women on the
 faculty. However, those with <10% faculty are Applied Physics, EEB, Math, NELC, Urology, and
 Microbial Pathogenesis. Those with <20% are Physics, MB&B, Economics, Statistics, Chemistry,
 Surgery and Cell Biology.
- In YSPH all five departments have more than 33% women faculty whereas none do for ENG.
- The women faculty percentage has increased in last 16 years from 37% to 44% and tenured women from 17% to 27% university-wide.
- The proportion of women in non-ladder tracks (now called instructional and research tracks) (50%) vs. ladder track (35%) university-wide has not changed in the last five years.

B. Faculty by Race, Ethnicity, and Gender

• Within the categories of Asian, African-American, Latino/Hispanic, there is not a substantial change from 2012 to 2017 in both tenured and overall teaching faculty.

Highlights of Findings (cont.)

C. Women in Leadership

- Gender equality achieved in proportion of women Deans and Heads of College.
- Proportion of women Chairs in YSPH and FAS reflect composition of faculty whereas proportion of women chairs in YSM is low (11%).
- Women in Administrative Leadership is 33-46%.
- Women leading centers or institutes is low (8%).

D. Special Recognition

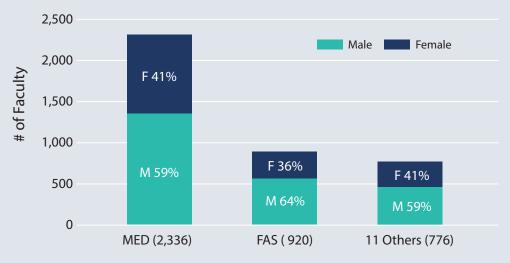
- The proportion of women with named professorships in Public Health (45%), Law (35%), and Divinity (31%) is much higher than named professors in Medicine (17%), FES (14%), Management (12%).
- Under-representation of women as Sterling professors (14%).

E. Graduate Students and Postdoctoral Fellows

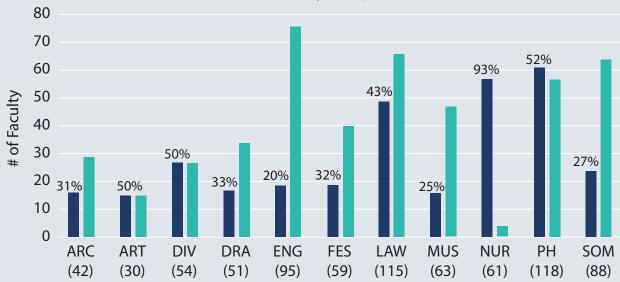
- Percent woman graduate students university-wide has been 44-48% since 2001-02.
- School of Management has increased the percent graduate woman from 27% (2001-02) to 40% today.
- Percent women postdoctoral fellows university-wide is 41%.

A.1. Total Faculty by Gender and School

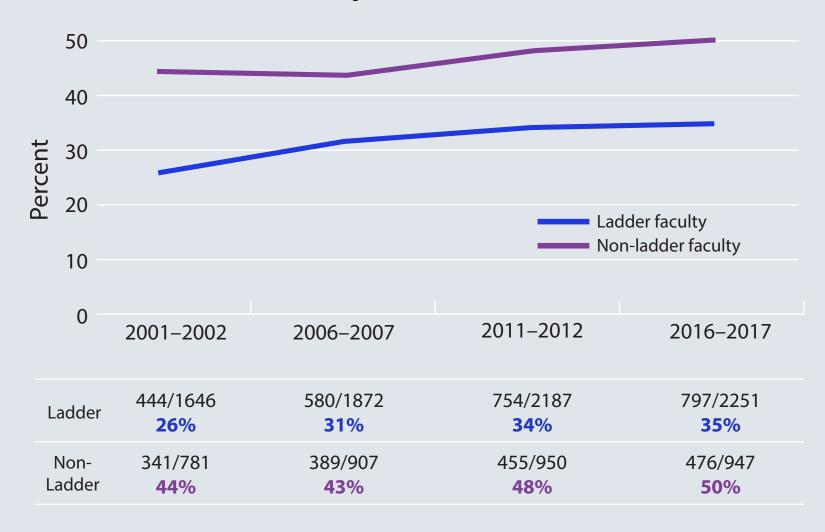
Of 4032 faculty, 58% are in MED (YSM); 23% FAS; 19% in other schools; FTE>50%



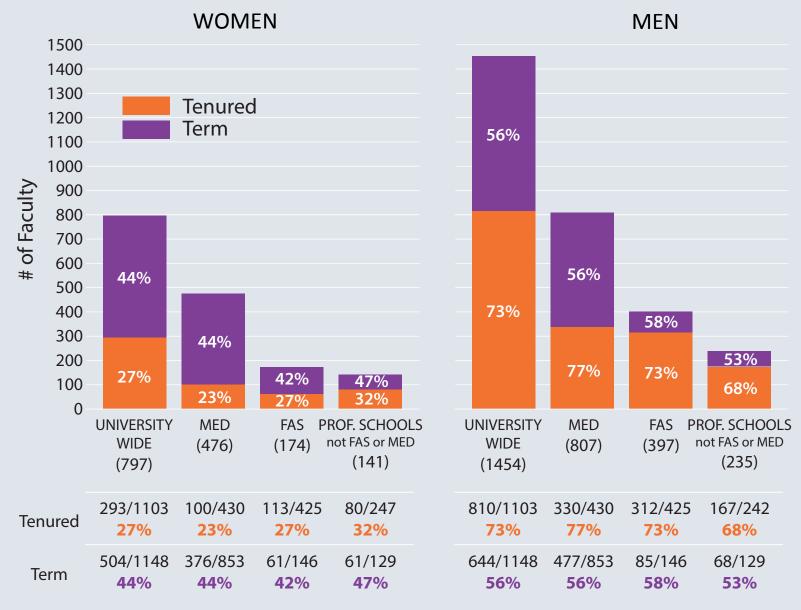
Distribution of faculty in 11 professional schools



A.2. Women Faculty, Ladder and Non-Ladder University-Wide (2001–2017)



A.3. Ladder Faculty by Gender, Tenured vs. Term (2016-2017)



A.4.a. Faculty of Arts and Sciences Departments & Programs (% Female)

(Ladder faculty by primary appointment)

FAS Department or Program	Total	% Female	
History of Art	18	67	
Italian Language and Literature	3	67	
Women's, Gender, and Sexuality Studies	3	67	
Comparative Literature	8	63 50-70 %	,
American Studies	13	62	
Spanish and Portuguese	5	60	
Slavic Languages and Literatures	6	50	
East Asian Languages and Literatures	7	43	
English	35	43	
Psychology	27	41	
African American Studies	5	40	
Classics	10	40	
German	5	40	
Linguistics	8	38	,
Religious Studies	16	38 30-49 %)
Political Science	36	36	
Anthropology	23	35	
History	46	35	
Astronomy	12	33	
Molecular, Cellular & Dev. Biology	28	32	
French	10	30	

	FAS Department or Program	Total	% Fema	ale
(Geology and Geophysics	23	26	
S	ociology	16	25	
٨	Лusic	13	23	
P	Philosophy	18	22	
P	Physics	29	17	10-29 %
٨	Molecular Biophysics & Biochemistry	25	16	
Е	conomics	44	16	
S	tatistics	7	14	
(Chemistry	25	12_	
P	Applied Physics	11	9 _	
Е	cology and Evolutionary Biology	12	8	0.00/
٨	Nathematics	12	8	0-9 %
١	lear Eastern Languages & Civilizations	6	0	
			_	

A.4.b. Medical, Public Health, and Engineering Schools' Departments (% Female) (Ladder faculty by primary appointment)

YSM Departments	Total	% Female	2	YSPH Departments	Total	% Female
Obstetrics, Gynec & Reproductive Services History of Medicine	48 4	65 50	0-70 %	Chronic Disease Epidemiology Environmental Health Sciences	31 10	71 60
Pediatrics Psychiatry Ophthalmology and Visual Science Internal Medicine Anesthesiology Pathology	114 137 16 303 88 48	47 46 44 40 40		Health Policy and Management Biostatistics Epidemiology of Microbial Diseases	17 32 28	53 41 39
Emergency Medicine (Dept.)	39	38 3	0-49 %	Engineering Departments	Total	% Female
Dermatology Genetics Laboratory Medicine Child Study Center Orthopaedics and Rehabilitation Therapeutic Radiology	21 24 16 30 28 22	38 38 38 37 32 32		Chemical Engineering Biomedical Engineering Computer Science Mechanical Engineering Electrical Engineering	19 12 29 17 18	26 25 24 18 6
Cellular and Molecular Physiology Neurology (Dept.) Comparative Medicine Radiology and Biomedical Imaging (MMRC) Immunobiology Neurosurgery Neuroscience Pharmacology Surgery Cell Biology	17 51 15 81 17 22 14 19 69 22	29 27 27 26 24 23 21 21 19	0–29 %			
Urology Microbial Pathogenesis	11 6	9 0	-9 %	*YSM Includes faculty in the educator, clinician scholar,		

A.5.a. Trend in Term and Tenured Women Faculty, University-Wide (2002–2017)



A.5.b. Trend in Term and Tenured Women Faculty, **School of Medicine** (2002–2017)



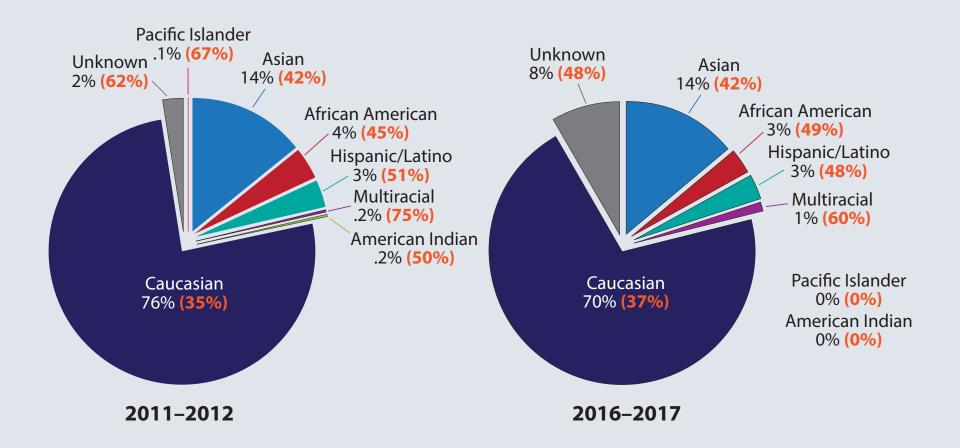
A.5.c. Trend in Term and Tenured Women Faculty, **FAS** (2002–2017)



A.5.d. Trend in Term and Tenured Women Faculty, Other Professional Schools (2002–2017)



B.1.a. Trends in Teaching Faculty by Race, Ethnicity, Gender,% Female of Each Group (2012 vs. 2017)

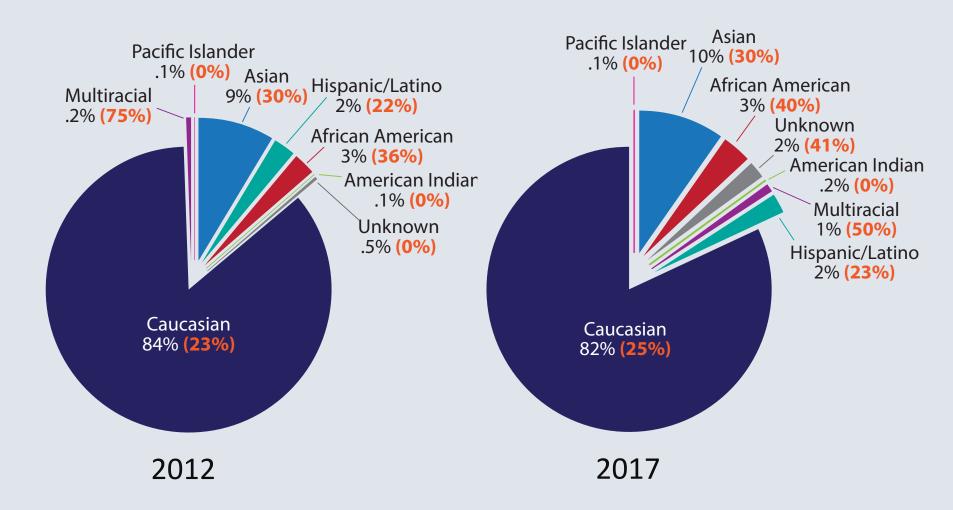


^{*}Teaching Faculty includes all ladder and non-ladder ranks with appointments ≥ 0.5 FTE; does not include research appointments. Nomenclature as in data source.

B.1.b. Tables of Trends in Teaching Faculty by Race, Ethnicity, Gender, % Female (2012 vs. 2017)

URM Group	Female	Male	Total	% URM	% Female	Female	Male	Total	% URM	% Female
Caucasian	631	1184	1815	75.8%	34.8%	837	1409	2246	70%	37%
Blank/Unknown	36	22	58	2.4%	62.1%	123	134	257	8%	48%
Native Hawaiian or Other Pacific Islander	2	1	3	0.1%	66.7%	3	3	6	0%	50%
Asian	141	199	340	14.2%	41.5%	186	254	440	14%	42%
Black or African American	40	49	89	3.7%	44.9%	53	56	109	3%	49%
Hispanic or Latino	41	40	81	3.4%	50.6%	46	49	95	3%	48%
Multiracial	3	1	4	0.2%	75.0%	25	17	42	1%	60%
American Indian or Alaskan Native	2	2	4	0.2%	50.0%	0	3	3	0%	0%
Total	896	1498	2394	100.0%	37.4%	1273	1925	3198	100%	40%

B.2.a. Trends in Tenured Ladder Faculty by Race, Ethnicity, Gender, **% Female** (2012 vs. 2017)

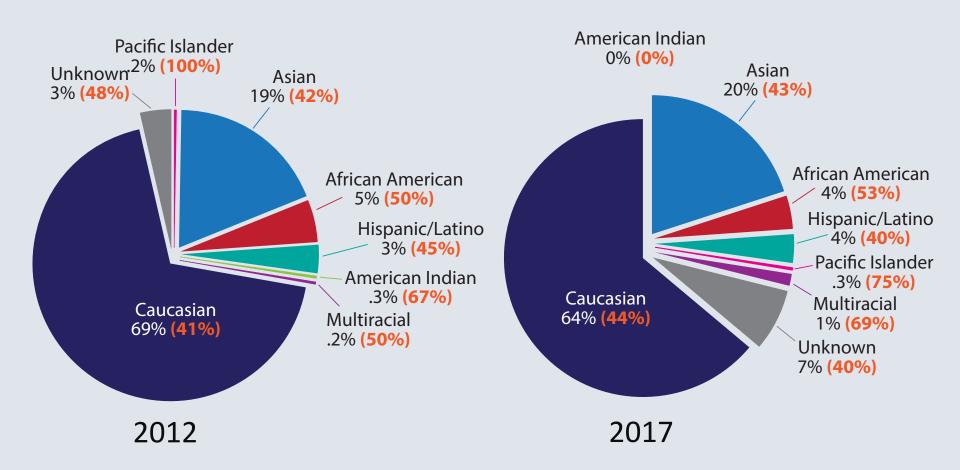


B.2.b. Tables of Trends in Tenured Ladder Faculty by Race, Ethnicity, Gender, % Female (2012 vs. 2017)

2012 2017

Ladder/Tenured	Female	Male	Tenured	% Tenured	% Female	Female	Male	Total	% URM	% Female
Caucasian	190	624	814	85.4%	23%	228	676	904	82.0%	25.2%
Blank/Unknown	0	5	5	0.5%	0%	9	13	22	2.0%	40.9%
Native Hawaiian or Other Pacific Islander	0	1	1	0.1%	0%	0	1	1	0.1%	0.0%
Asian	24	58	82	8.6%	29%	32	75	107	9.7%	29.9%
Black or African American	9	16	25	2.6%	36%	14	21	35	3.2%	40.0%
Hispanic or Latino	5	18	23	2.4%	22%	5	17	22	2.0%	22.7%
Multiracial	2	0	2	0.2%	100%	5	5	10	0.9%	50.0%
American Indian or Alaska Native		1	1	0.1%	0%	0	2	2	0.2%	0.0%
Tenured sub-total	230	723	953	100.0%	24%	293	810	1103	100.0%	26.6%

B.3.a. Trends in Term Ladder Faculty by Race, Ethnicity, Gender, % Female (2012 vs. 2017)



B.3.b. Tables of Trends in Term Ladder Faculty by Race, Ethnicity, Gender, % Female (2012 vs. 2017)

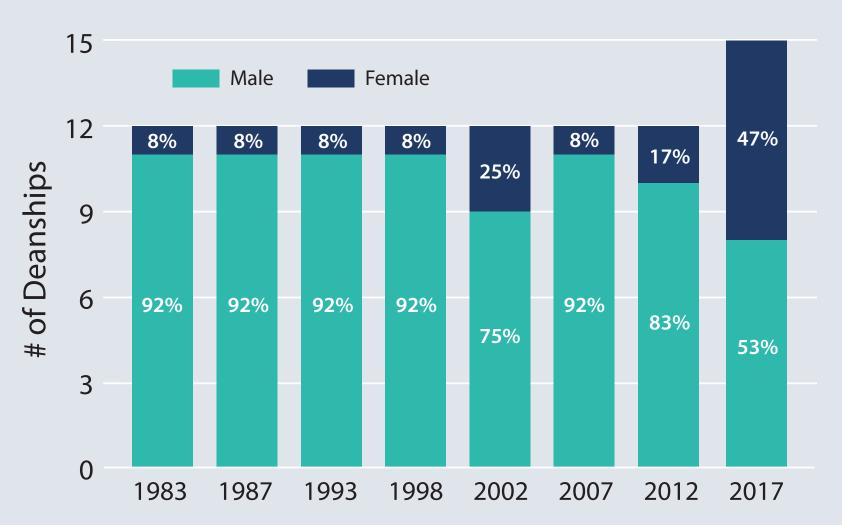
2012 2017

Ladder/Term	Female	Male	Term	% Term	% Female
Caucasian	274	398	672	68.8%	41%
Blank/Unknown	16	17	33	3.4%	48%
Native Hawaiian or Other Pacific Islander	2	0	2	0.2%	100%
Asian	76	106	182	18.6%	42%
Black or African American	25	25	50	5.1%	50%
Hispanic or Latino	15	18	33	3.4%	45%
Multiracial	1	1	2	0.2%	50%
American Indian or Alaska Native	2	1	3	0.3%	67%
Term sub-total	411	566	977	100.0%	42%

Female	Male	Total	% URM	% Female
320	412	732	63.8%	43.7%
32	49	81	7.1%	39.5%
3	1	4	0.3%	75.0%
98	132	230	20.0%	42.6%
24	21	45	3.9%	53.3%
16	24	40	3.5%	40.0%
11	5	16	1.4%	68.8%
0	0	0	0.0%	0.0%
504	644	1148	100.0%	43.9%

C.1. Deans by Gender in All Schools over 30 Years

12 schools 1983–2017; 15 in 2017 with Faculty of Arts & Sciences, School of Public Health, School of Engineering



C.2. Department Chairs by School and Gender (2016-2017)

School	Female	Male	Total	% Female
Public Health	2	3	5	40%
Faculty Arts & Sciences	13	26	39	33%
Engineering	1	4	5	20%
Medicine*	3	24	27	11%
Total	18	56	76	24%

^{*}MB&B department is listed in YSM and FAS. For the purpose of this report, it is counted in FAS.

C.3.a University Wide Leadership by Gender (2016-2017)

Leadership	Female	Male	Total	% Female
Provost	6	7	13	46%
Medical School	5	10	15	33%
Faculty of Arts & Sciences	5	6	11	45%
Institutes & Centers	1	11	12	8%
Heads of College	7	7	14	50%
Medical School Section Chiefs	6	25	31	19%
Total	30	66	96	31%

C.3.b. Provost Office Leadership by Gender (2016-2017)

Role	Female	Male	Total	% Female
Total	6	7	13	46%
Provost		1		
Deputy Provost	1			
Deputy Provost, Faculty Dev & Diversity		1		
Assoc Provost & Chief of Staff	1			
Deputy Provost, Academic Resources		1		
Assoc Provost Acad Resource, Fac Devel	1			
Deputy Provost, Health Affairs & Academic Integrity	1			
Associate Provost, Health Affairs	1			
Deputy Provost, Research		1		
Associate Provost, Research		1		
Assistant Provost for Research		1		
Univ Librarian; Dep Prov, Collections & Scholarly Comm	1			
Deputy Provost, Teaching and Learning		1		

C.3.c. Medical School Leadership by Gender (2017-2018)

Role	Female	Male	Total	% Female
Total	4	10	14	28%
Dean		1		
Chief of Staff		1		
Special Advisor to Dean		1		
Assoc VP University Devel; Director of MED Devel & Alum Affairs		1		
Director, MD-PhD Program	1			
Associate Dean of Communications, CCO	1			
Assoc Dean-Veterans Affairs		1		
Deputy Deans				
Faculty Affairs	1			
Scientific Affairs (Clinical Depts)		1		
Scientific Affairs (Basic Sci Depts)		1		
Diversity		1		
Education		1		
Clincal Affairs & CEO Yale Medicine		1		
Finance & Admin	1			

C.3.d. Faculty of Arts & Sciences Leadership by Gender (2016-2017)

Role	Female	Male	Total	% Female
Total	5	6	11	45%
Dean	1			
Chief of Staff	1			
Dean of Humanities	1			
Dean of Social Sciences		1		
Chair, Physical Sciences & Engineering Advisory Committee		1		
Biological Sciences Divisions		1		
Dean, Faculty Affairs; Dep Provost	1			
Assoc Dean of FAS		1		
Sr. Assoc Dean of FAS		1		
Dean, Academic Affairs		1		
Dep Dean Diversity & Fac Develop	1			

C.3.e. Major Institutes and Centers' Leadership by Gender (2016-2017)

School	Center/Institute	Female	Male	Total	% Female
	Total	1	11	12	8%
MED*	Musculoskeletal	1			
	Cellular Neuroscience		2		
	Human Translational Immunology		1		
	Vascular Biology		1		
	Clinical Investigation		1		
	Stem Cell Center		1		
	Cancer Center		1		
FAS*	Macmillan Center Intl & Area Studies		1		
	Inst for Social and Policy Studies		1		
	Whitney Humanities Center		1		
	Yale Institute for Biospheric Studies		1		

^{*}See Appendix C for names.

C.3.f. Heads of Colleges by Gender and URM Group (2016-2017)

College Head	Female	Male	Total	% Female
Asian	2		2	100%
2+ URM groups	1		1	100%
Caucasian	4	6	10	40%
Unknown		1	1	0%
Total	7	7	14	50%

C.3.g. Medical School Section Chiefs by Gender (2016-2017)

Section Chief	Female	Male	Total	% Female
Internal Medicine	2	10	12	17%
Surgery	2	9	11	18%
Pediatrics	2	5	7	29%
Cancer Center		1	1	0%
Total	6	25	31	19%

D.1. Named Professorships by Gender and School (2016-2017)

School	Female	Male	Total	% Female	Cohorts
Art	2	0	2	100%	_ - 50-100%
Nursing	7	0	7	100%	30-100%
Public Health	5	6	11	45%	
Law	16	30	46	35%	= 20 40°/
Architecture	1	2	3	33%	<u>}</u> 30–49%
Divinity	5	11	16	31%	
Engineering & Applied Science	5	19	24	21%	
FAS	39	157	196	20%	
Medicine	19	94	113	17%	- 10–29%
Forestry & Environmental Studies	2	12	14	14%	
Management	3	23	26	12%	
Music	0	1	1	0%	
TOTAL	104	355	459	23%	

D.2. Sterling Chairs by Gender and School (2016-2017)

School	Female	Male	Total	% Female
FAS	3	18	21	14%
Medicine	1	7	8	13%
Law	1	5	6	17%
Divinity		1	1	0%
Total	5	31	36	14%

Sterling Professor is the highest academic rank at Yale, awarded to a tenured faculty member considered one of the best in their field. They are funded with an endowment created in 1918 by John W. Sterling.

D.3. Trends in Sterling Chairs by Gender (2002–2017)

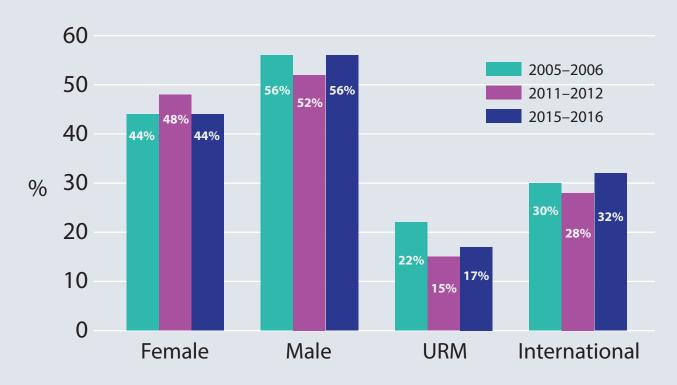


E.1. Trends in Enrolled Graduate Students by Gender and School*, % Female (2002–2017)

	2001–2002	2006–2007	2011–2012	2016–2017
School	# Female/# Total	# Female/# Total	# Female/# Total	# Female/# Total
Graduate Arts &Sciences	1064/2334 (46%)	1216/2580 (47%)	1323/2788 (48%)	1359/2890 (47%)
Divinity	163/359 (45%)	175/349 (50%)	181/341 (53%)	156/351 (44%)
Forestry/ Environmental Studies	157/285 (55%)	142/262 (55%)	152/284 (54%)	189/302 (63%)
Law	302/644 (47%)	318/667 (48%)	341/710 (48%)	321/684 (47%)
Management**	117/427 (27%)	160/450 (36%)	177/492 (36%)	331/826 (40%)
Medicine [MD students]	217/470 (46%)	235/442 (53%)	226/468 (48%)	225/470 (48%)
Public Health	175/234 (75%)	177/229 (77%)	169/225 (75%)	182/262 (69%)
Nursing	262/282 (93%)	269/283 (95%)	290/315 (92%)	296/356 (83%)
Architecture				92/190 (48%)
Art				65/126 (52%)
Drama				87/199 (56%)
Music				90/219 (41%)

^{*}Includes all post-baccalaureate degrees. **Largest percent increase in women over time.

E.2. Trends in PhD Graduates by Gender, URM Group and Nationality (2006–2016)



	2005–2006	2011–2012	2015-2016
Female	128	180	176
Male	166	192	223
Total	294	372	399
% Female	44%	48%	44%
% URM group	22%	15%	17%
% International	30%	28%	32%

E.3. Post-doctoral Appointees by Gender and URM Group (2016-2017)

Race	Female	Male	Total	% Female
Asian	163	290	453	36%
Black or African American	10	9	19	53%
Hispanic or Latino	14	17	31	45%
Two or More URM groups	34	29	63	54%
Unknown	42	77	119	35%
Caucasian	236	307	543	43%
Total	499	729	1228	41%

Appendix A.

Leadership, Provost Office and FAS

Provost

Benjamin Polak

Deputy Provosts

Emily Bakemeier

Richard Bribiescas

Scott Strobel

Stephanie Spangler

J. Lloyd Suttle

Steven Girvin

Associate Provosts

Megan Barnett

Cynthia Smith

Karen Anderson

James Slattery

Assistant Provost

Lisa D'Angelo

University Librarian

Susan Gibbons

Dean

Tamar Gendler

Dean of Humanities

Amy Hungerford

Dean of Social Sciences

Alan Gerber

Chair, Physical Sciences & Engineering Advisory Com.

Scott Miller

Biological Sciences Divisions

Daniel DiMaio

Dean, Faculty Affairs; Deputy Provost

Emily Bakemeier

Associate Dean of FAS

Robert Burger

Sr. Associate Dean of FAS

John Mangan

Dean, Academic Affairs

Jack Dovidio

Deputy Dean, Diversity & Faculty Development

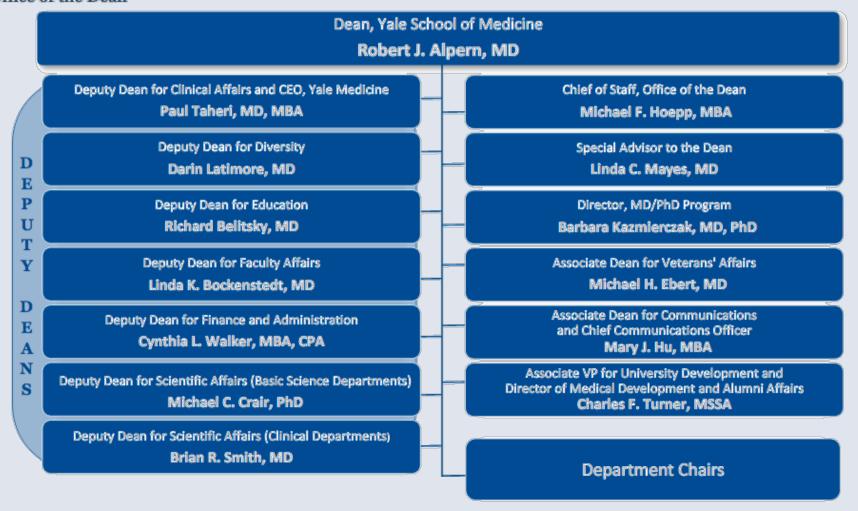
Kathryn Lofton

Chief of Staff

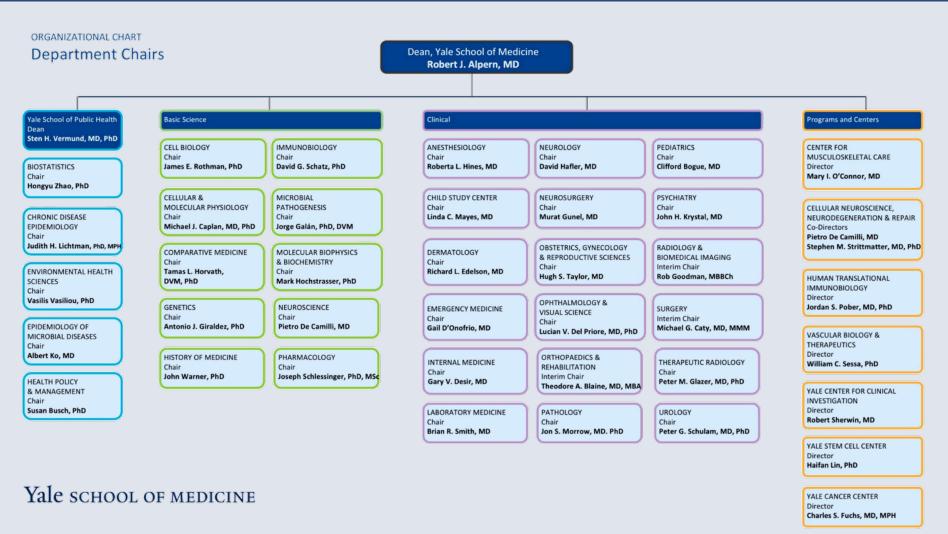
Bethany Zemba

Appendix B.

Office of the Dean



Appendix C.



Non-YSM Center/Institute Heads: Ian Shapiro (MM), Jacob Hacker (ISPS), Gary Tomlinson (WHC), Oswald Schmitz (YIBS).

Acknowledgments

While the authors take responsibility for the content of the report, we would like to thank the following individuals for providing key data and guidance: John Goldin and Leilani Baxter of the Office of Institutional Research, Diane Rodrigues of Faculty Administrative Services, and Grace Lyall of the Office of Postdoctoral Affairs. Thanks also to Mark Saba from Yale ITS for designing this report and to WFF staff Talya Zemach-Bersin and Emily Stark for help collecting information and feedback.

For reading the earlier drafts of the report and their feedback, we thank Professors Claire Bowern, Nina Stachenfeld, and Priya Natarajan.