

Using AAMC Data Resources

2007 CGEA Spring Meeting

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Using AAMC Data Resources

Participant Introductions

- Is there an institutional outcomes data base at your institution? Do you have a role in that data base?
- Have you worked with the various surveys and AAMC data bases previously?
- What questions motivated you to come to this session?



Tomorrow's Doctors, Tomorrow's Cures

Using AAMC Data Resources

CGEA Meeting – Indianapolis, IN

Learn

Serve

Lead

Jason Cantow, MS
Program Coordinator, Educational
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March 24, 2007



Association of
American Medical Colleges

AAMC Data

- MSQ
- LCME Surveys
- SRS
- PMQ
- Data Book
- GQ
- FAMOUS
- AMCAS
- GME Track
- CurrMIT





**Can there be any
more data????**

What data do we collect?

Applicants

Students

Residents/Fellows

Faculty

Institution

Why do we collect this data?

Here are some examples...

- Support Accreditation of medical schools and maintenance of educational standards
- Inform national discussion and debates about medical education policy
- Help medical school planning and management by allowing schools to compare themselves with others.

AAMC Data



- Scores automatically released to AMCAS
- Scores released to schools for verification purposes only



- Demographic information
- Educational Background
- Scores on National Admissions Test
- Relevant experiences prior to medical school
- Personal statement

Applicant and Student Surveys

PMQ – Pre Medical Questionnaire

MSQ – Matriculating Student Questionnaire

GQ – Graduation Questionnaire

PMQ

Given at the end of the MCAT

- Demographics
- Academic Characteristics
- Career Choice

Students log in using AAMC ID number. Medical Schools do not have access to linking results with students (unless students consent)

MSQ

- Pre Medical School Experience
- Opinions about the medical school application process
- Reasons for choosing medical school
- Career Choice

www.aamc.org/data/msq

Students log in using AAMC ID number. Medical Schools do not have access to linking results with students (unless students consent)

GQ

Program Evaluation Survey (anonymous)

Medical School Experiences

- Pre-medical
- Pre-clerkship
- Clerkship

Student Support Programs

Mistreatment

GQ

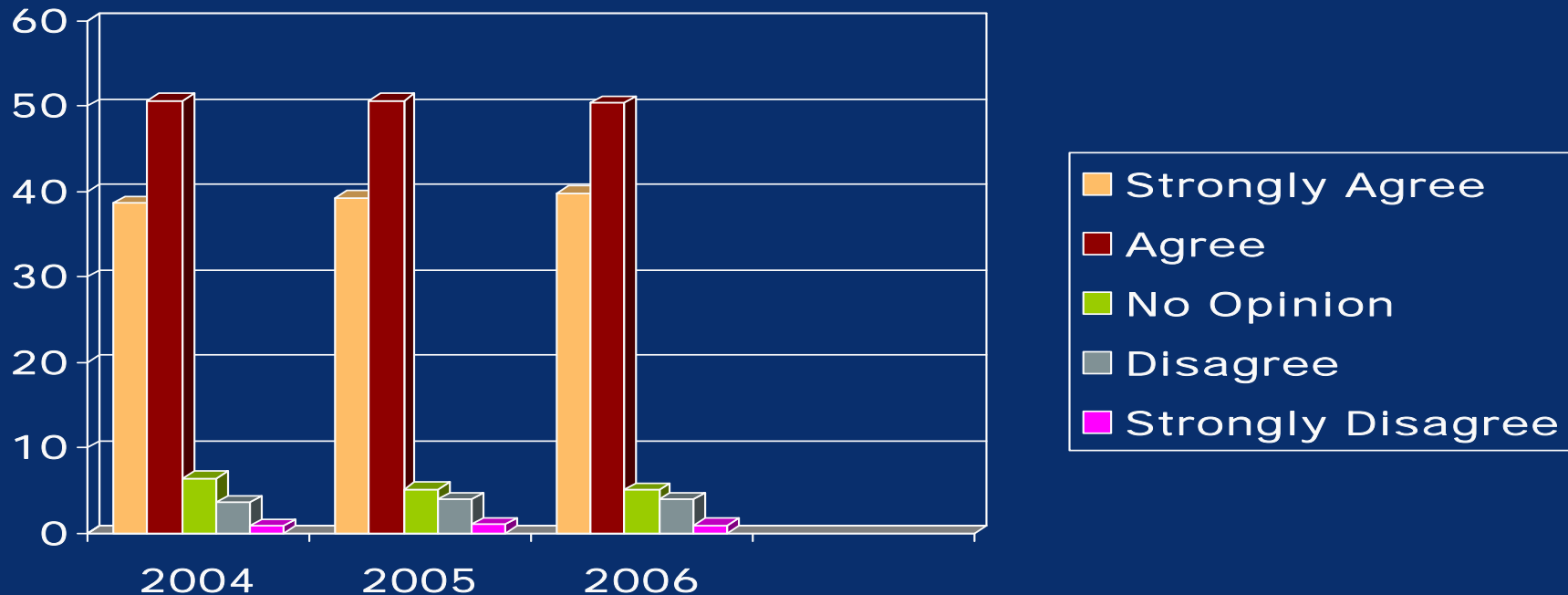
Supplemental Survey

- Financial Aid, Indebtedness
- Career Intentions
- Diversity

Students log in using AAMC ID number. Medical Schools do not have access to linking results with students (unless students consent)

GQ

Overall, I am satisfied with the quality of my medical education?



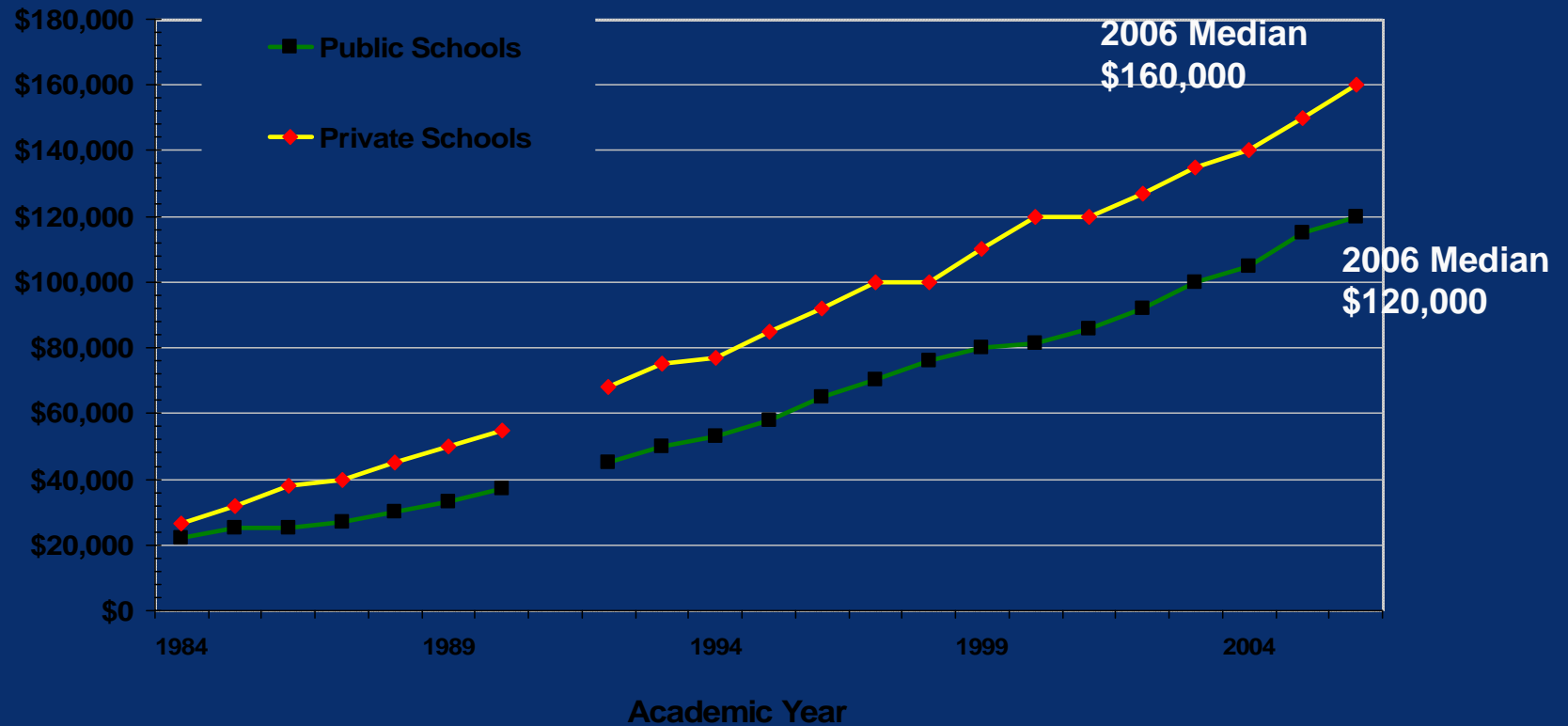
* Source: 2006 AAMC Graduation Questionnaire (GQ)

Overall I am satisfied with the quality of my medical education (Campus Specific)

	Regional	Main	All
Strongly Agree	37.7%	39.7%	39.8%
Agree	54.8%	50.1%	50.4%
No Opinion	3.5%	5.2%	5.0%
Disagree	2.5%	3.9%	3.9%
Strongly Disagree	1.5%	0.9%	1.0%

GQ

Indebtedness Graduates, Class of 2006*



* Source: 2006 AAMC Graduation Questionnaire (GQ) Indebtedness Figures include total educational and non-educational debt

Following a Graduate Through the AAMC Surveys

Items can be linked for graduates

- By schools for graduates who release their information, and
- By the AAMC (blinded data) for an individual school

Common questions across MSQ-GQ

- Intended Board Certification
- Intended Specialty Choice
- Intended Career Setting
- Intended Practice State
- Intent to be involved in research
- Opinions about medicine as a career

GME Track

Collects demographic and program information on all Residents and Fellows in training.

- NRMP
- ECFMG
- SRS
- AMA

Drawbacks:

Only as good as the data is entered!!!!

Medical Schools are able:

View

Download

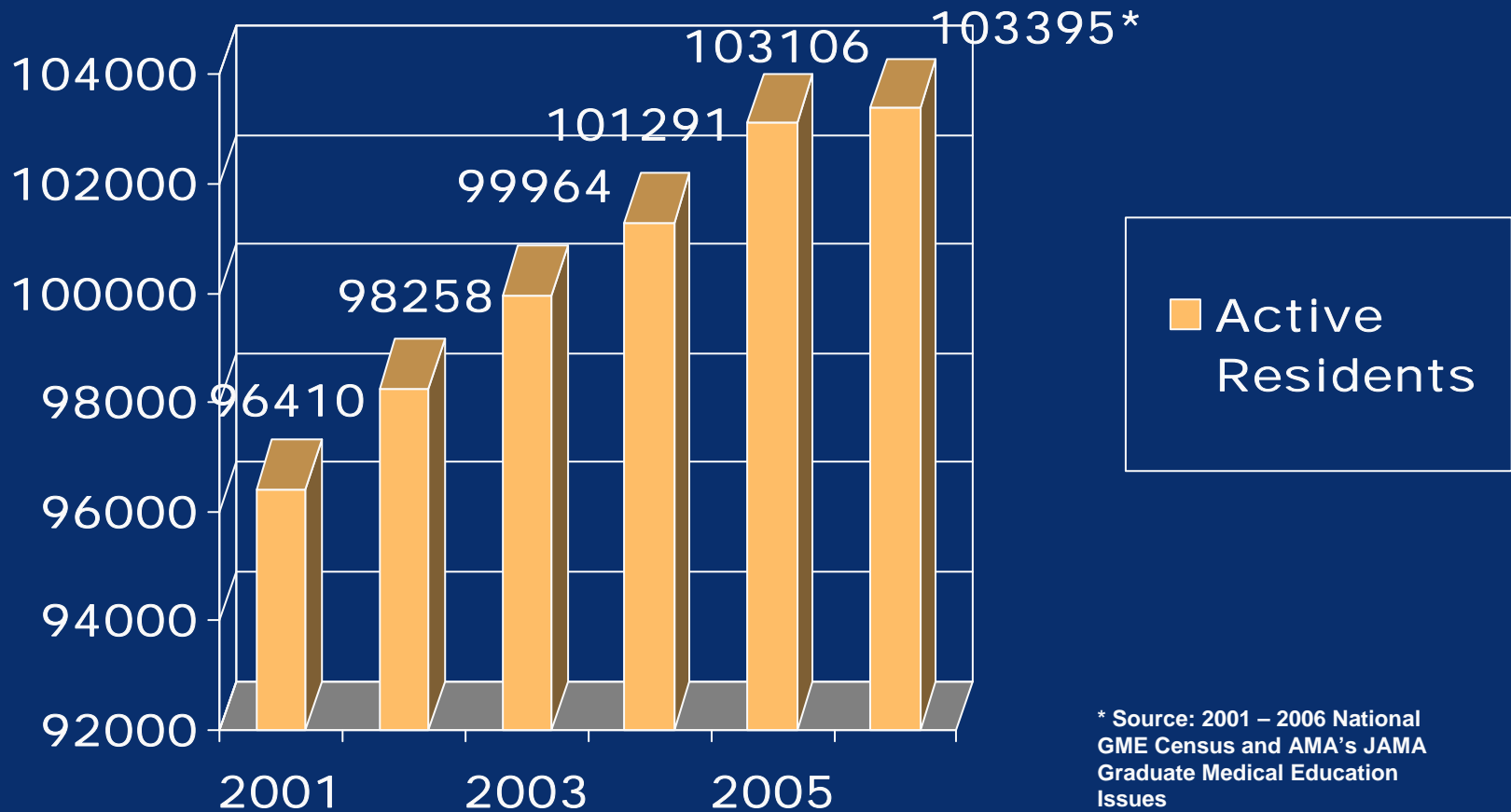
Print

Data on former medical school graduates dating back to 1983

GME Track



GME Statistics



GME Track is a Good Starting Point

- Only contains those who enter residencies
- Add to this data base:
 - Information from your Alumni Office
 - Information gathered through other offices such as Financial Aid
 - Information gathered through survey process (Google, other search engines)
 - Information from other external data bases (ie, ABMS, FSMB)
 - Information from your own institutional outcomes database

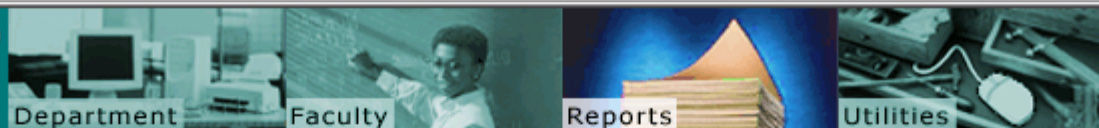
FAMOUS

Faculty Administrative Management On-Line User System

- Demographic Information
- Educational Background
- Faculty Appointment Information
- Administrative Appointment Information

124,000 active full-time faculty

142,000 inactive faculty

**Faculty by Department**

Alphabetical listing of faculty by department, including name, rank, tenure status, nature of appointment, sex, birth date, race, degree and chair status

MD or PhD Alumni Reports

Listing of MD or PhD medical school graduates by year of graduation, including degree year, chair status, name, sex, race, current school of appointment, department information, rank, primary specialty

Faculty Count by Department and Rank

Count of faculty by department and rank

Faculty Count by Department and Sex

Count of faculty by department and sex

Database Change Report

Listing of changes made to faculty records

Department Chair and Division/Section Chief Report

Organizational listing of department chairs and division/section chiefs, including name and rank

Administrator Report

Organizational listing of administrators, including name, degree(s), administrative title, effective date of administrative appointment, and rank (if applicable)

Sex, Race/Hispanic Origin

School-wide count of faculty by sex and race/Hispanic origin

Faculty by Medical Specialty

Faculty by Medical Specialty

Table 1. Distribution of U.S. Medical School Faculty by Department

Department	Faculty
Basic Sciences	
Anatomy	1,877
Biochemistry	2,880
Microbiology	2,136
Pathology (Basic Science)	3,030
Pharmacology	2,105
Physiology	2,069
Other Basic Sciences	3,883
Subtotal	17,980
Clinical Sciences	
Anesthesiology	5,755
Dermatology	917
Emergency Medicine	2,116
Family Medicine	4,307
Internal Medicine	29,398
Neurology	3,880
Obstetrics & Gynecology	4,585
Ophthalmology	2,285
Orthopedic Surgery	2,310
Otolaryngology	1,433
Pathology (Clinical)	2,673
Pediatrics	14,026
Physical Medicine & Rehabilitation	1,147
Psychiatry	9,520
Public Health & Preventive Medicine	1,481
Radiology	7,275
Surgery	10,414
Other Clinical Sciences	591
Subtotal	104,093
Other	
Dentistry	44
Other Health Professions	396
Social Sciences	30
Veterinary Sciences	33
All Others	704
Subtotal	1,207
Total	123,280

AAMC Faculty Roster
December 31, 2008

Curriculum Management and Information Tool

- **Obtain detailed comparisons of curricula among U.S. and Canadian medical schools.**
- **Analyze the nation's trends in medical education.**
- **Support the efficient use of successful curriculum reform strategies by documenting and making available detailed information about ongoing reform and innovation.**
- **List information on course directors to facilitate information-sharing.**
- **Identify teaching methods and materials being used around the country.**
- **Gather information about teaching and learning sites, contact hours devoted to specific topics, and assessment techniques.**

CurrMIT Contains

Over:

- 31,000 Courses and Clerkships
- 328,000 Sessions
- 1.28 Million Details of instruction

Indicating content and activities; Educational sites and methods, assessment methods, topics, competencies, curricular objectives, etc...

Approximately 95 schools have more detailed information entered into CurrMIT

Source: 2006 AAMC's Curriculum Management Information Tool

CurrMIT
Curriculum Management
& Information Tool



Course/Clerkship Name: _____

Session Name (Required): _____

Check <input checked="" type="checkbox"/> if topic is an important learning objective of the Session	AAMC/LCME Hot Topics	Element category to search under: AAMC/LCME Hot Topics
	Alternative Medicine	
	Biostatistics	
	Clinical pathology	
	Communication Skills	
	Community Health	
	Diagnostic Imaging	
	End-of-life Care	
	Epidemiology	
	Evidence based Medicine	
	Family violence / abuse	
	Geriatrics	
	Health Care Quality Review	
	Health Care Systems	
	Home Health Care	
	Human Development/Life Cycle	
	Human Sexuality	
	Medical Ethics	
	Medical Genetics	
	Medical Humanities	
	Medical Jurisprudence	
	Medical Socioeconomics	
	Multicultural Medicine	
	Nutrition	
	Occupational health/medicine	
	Pain Management	
	Palliative Care	
	Patient Health Education	
	Population-based Medicine	
	Practice Management	
	Preventive Medicine	
	Rehabilitation/Care of disabled	
	Research Methods	
	Substance Abuse	
	Women's Health	


**This is from
 “Special Notes
 for LCME Self-
 study” available
 from CurrMIT’s
 Help Center**



Course List

To edit a Course, select the Course name. To delete a Course or Courses, check the box next to each Course you would like to delete, and then click the Delete Selected Courses button at the bottom of this page.

Courses Found

	Course Name	Course Director	Graduating Class Year	Academic Period
<input type="checkbox"/>	AI's big new course Testing	Curriculum Contact	2010	2
<input type="checkbox"/>	bowling for surgeons	Curriculum Contact	2010	1
<input type="checkbox"/>	Calendar course	Reynolds, Robby	2010	1
<input type="checkbox"/>	Calendar-test	Curriculum Contact	2010	2
<input type="checkbox"/>	Calendar-test 2	Curriculum Contact	2010	2
<input type="checkbox"/>	Clerkship(12wks)	Curriculum Contact	2010	1
<input type="checkbox"/>	currdirtest	aaa, aaa	2010	1
<input type="checkbox"/>	currdirtest3	Curriculum Contact	2010	1
<input type="checkbox"/>	Molecules and Cells Unit 1	Admin, Test	2010	1
<input type="checkbox"/>	New course with sessions	Curriculum Contact	2010	NA
<input type="checkbox"/>	XML-workshop 2010	tester01, hatest	2010	2
<input type="checkbox"/>	XML-1 2010	tester01, hatest	2010	3

Delete Selected CoursesGo to page: **1**

Uses for CurrMIT

- Support your LCME self-study and documentation
- To see which lectures occur in other courses within your curriculum
- To compare specific course content with similar courses at other medical schools
- To sample what other schools are doing when developing a new course

LCME

- LCME Part I-A (Annual Financial)
 - Data on the revenues and expenditures for U.S. medical colleges
- LCME Part I-B (Student Financial Aid)
 - Data on financial assistance, grants, loans, work-study, and educational indebtedness for medical students
- LCME Part II (Annual Medical School)
 - Data on operational characteristics of the educational program leading to the M.D. degree, including
 - Details of the curriculum,
 - Demographics and academic antecedents of students
 - Resources (faculty, residents, educational sites, library, etc.) involved with the educational program.

LCME

- MSPS (Medical School Profile System)
 - Database and reporting system designed to compare medical schools
 - The majority of the data come from the LCME annual surveys.
 - <http://www.aamc.org/data/msps/>
- JAMA Medical Education issue (September)
 - Summary of LCME Part II Survey

Customize Reports

Create custom reports and graphs using one of the following Annual Report templates:

Basic Science Department

This Report compares eight medical school basic science departments on the following dimensions:

- [Faculty Counts](#)
- [Student Counts](#)
- [Expenditures](#)
- [Student/Faculty Ratios](#)
- [State Funds per Faculty](#)
- [State Funds and other SOM Funds per Faculty](#)
- [Research Grants per Faculty](#)

Clinical Department

This Report compares 16 clinical departments and collections of departments on the following dimensions:

- [Faculty Counts](#)
- [Student Counts](#)
- [Expenditures](#)
- [Student/Faculty Ratios](#)
- [State Funds per Faculty](#)
- [State Funds and other SOM Funds per Faculty](#)
- [Research Grants per Faculty](#)

Financial Aid

This Report compares schools on fourteen student financial aid summary statistics from the LCME IB Survey.

- [Student Demographics](#)
- [Financial Aid Totals](#)
- [Graduate Indebtedness](#)

Institutional Goals

This Report compares medical schools on the following dimensions:

- [Graduates Practicing In-State](#)
- [Graduates Who Are Medical School Faculty](#)
- [Graduates Who Are Underrepresented Minorities](#)
- [Federal Research Grants and Contracts](#)
- [NIH Grants and Contracts](#)

Medical School Profile

This Report allows you to make similar comparisons with the total revenues and student counts.

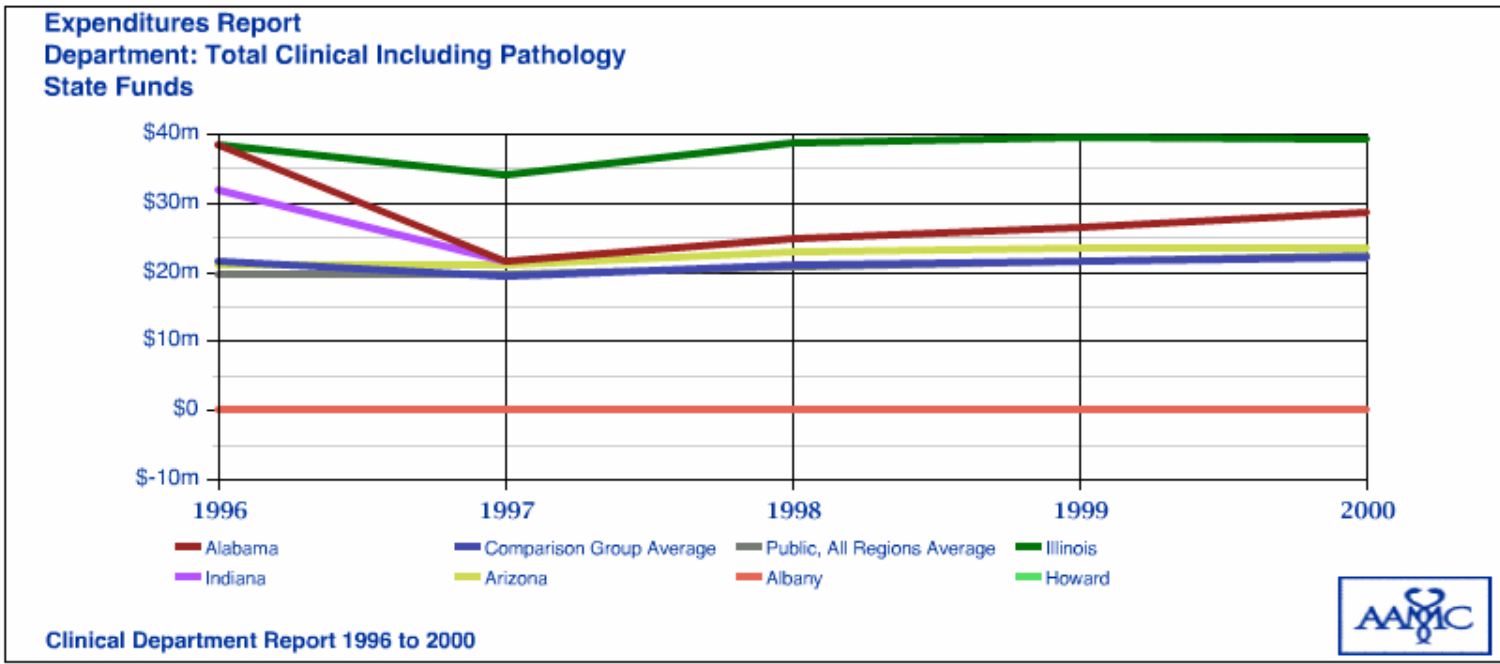
- [Faculty Counts](#)
- [Student Counts](#)
- [Revenues](#)
- [Student and Faculty Ratios \(including instructors\)](#)
- [Student and Faculty Ratios \(excluding instructors\)](#)

Clinical Department Report: Expenditures
Comparison Group: Alabama vs. Comparison Group
Years: 1996 to 2000
Department: Total Clinical Including Pathology

Select Report Criteria

[Rank](#) [Trend](#)

| [Table](#) | [Graphs](#) | [Explanations](#) | [Print Version](#) | [Download](#)




AAMC - FACTS

AAMC : FACTS : Information on Medical School Applicants, Matriculants, and Graduates - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.aamc.org/data/facts/>

Links GQ AAMC Yahoo! Sports Bank of America CNN MSNBC GME Track AOL.com UMUC Pulse Google CBRView UnlockPlus

 **AAMC** Tomorrow's Doctors, Tomorrow's Cures

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FACTS - Applicants, Matriculants and Graduates

FACTS is the most comprehensive source of information regarding medical school applicants, matriculants, and graduates available to the public free of charge. The sources of the data are the AAMC Data Warehouse: Applicant Matriculant File (DW:AMF) and the AAMC Student Records System (SRS). The 20 tables listed below contain the most recent data including applicants for 2006, as of October 27, 2006, or later. Previously published data can be found in the [Archive](#), but they may vary slightly from the most recent data, as they were current as of the date noted on each table.

See [FACTS Glossary](#) for Terms and Definitions.

If you are considering applying to medical school, we suggest you obtain a copy of the [Medical School Admission Requirements](#) (MSAR™).

If you wish to look into MCAT examinees' data, please go to [MCAT Examinee Data](#).


Applicants and Matriculants

1. Applicants by State of Legal Residence, 1995-2006	9. MCAT scores and GPAs for Applicants and Matriculants, 1995-2006
2. Matriculants by State of Legal Residence, 1995-2006	10. MCAT scores and GPAs for Applicants and Matriculants by Hispanic Ethnicity and Non-Hispanic Race, 2006
3. Applicants and Matriculants by State of Legal Residence, 2006	11. MCAT scores and GPAs for Applicants by State of Legal Residence, 2006
4. Applicants and Matriculants by School and Sex, 2006	12. MCAT scores and GPAs for Matriculants by State of Legal Residence, 2006
5. Applicants by Race and Ethnicity within Sex, 2003-2006	13. MCAT scores and GPAs for Applicants and Matriculants by Primary Undergraduate Major, 2006
6. Applicants, Accepted Applicants, and Matriculants by Sex, 1995-2006	14. Undergraduate Institutions Producing the most Medical School Applicants, 2006
7. Matriculants by Race and Ethnicity within Sex, 2003-2006	15. Applicant Age at Anticipated Matriculation, 2003-2006
8. Hispanic Ethnicity and Non-Hispanic Race by Acceptance Status, 2004-2006	16. Applicants by State of Legal Residence and Race and Ethnicity, 2006
	17. Matriculants by State of Legal Residence and Race and Ethnicity, 2006

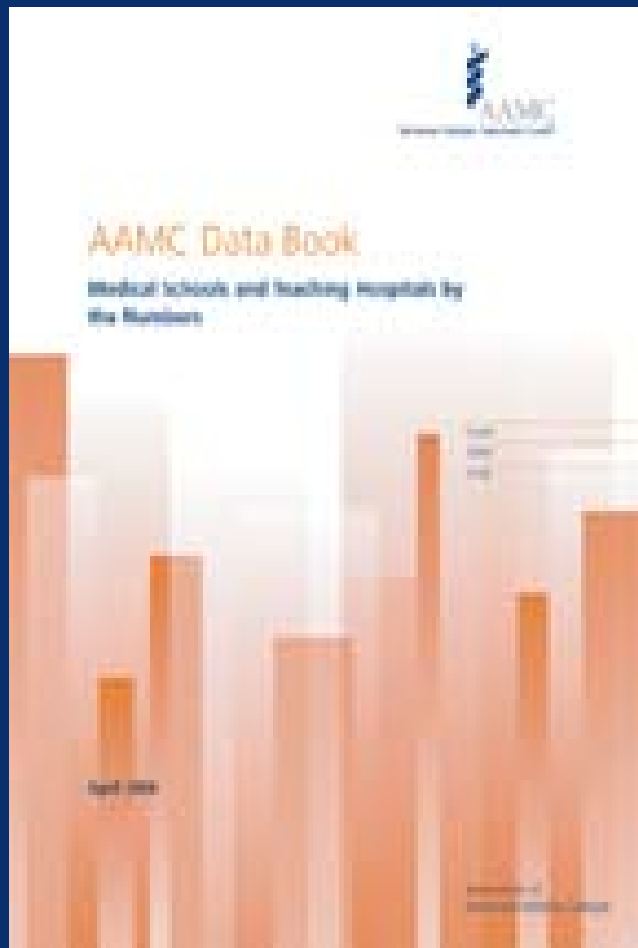
Enrollment and Graduates

Additional Data Resources

<http://www.aamc.org/students/mcat/examineedata/start.htm> Internet

start 200... Res... WI... Inb... CGE... AA... My ... Micr... RE: ... 11:36 AM 

AAMC – Data Book



www.aamc.org/data/databook

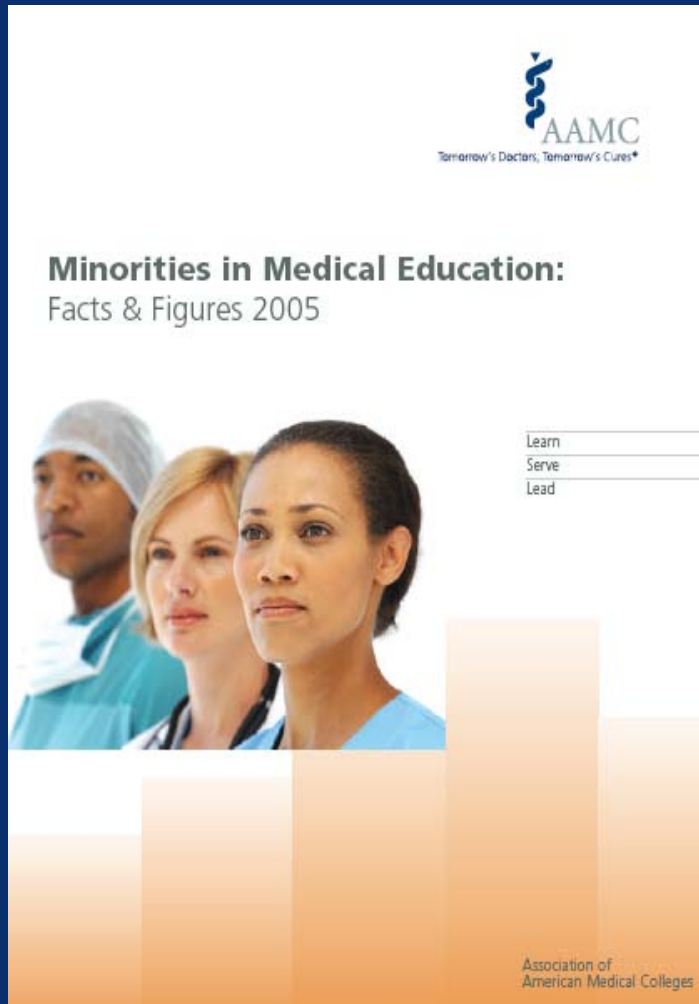
**Statistical information related to
medical schools and teaching
hospitals/**

AAMC Data Book

The AAMC Databook answers your questions about:

- Accredited Medical Schools
- Medical School Applicants and Students
- Medical School Faculty
- Financing Medical Schools
- Graduate Medical Education
- Teaching Hospitals
- Health Care Financing
- Biomedical Research
- Physician Services
- Faculty and Physician Compensation
- General/Historical Price Indices
- Census Data

Minorities in Medical Education



www.aamc.org/students/minorities

This publication provides students, medical educators, medical administrators, researchers, and policy makers with a compendium of detailed statistical information on race and ethnicity in medical education in the United States

www.aspiringdocs.org –

Free resource designed to complement and enhance the longstanding efforts of the nation's 125 medical schools to increase diversity.

How do I obtain access to all of this data?

- AAMC Login
 - Your AAMC Login gives you the privacy, security, and convenience of an individual, self-selected user name and password that allows access to restricted resources with one login.
 - Access a list of resources available to you
 - Update your contact and account information at My Account
- www.aamc.org/data

Small Groups

- Groups:
 - I have NEVER used AAMC resources.
 - I am somewhat familiar with some of the AAMC data.
 - I am a seasoned user of AAMC data.
- Tasks:
 - Identify a research question.
 - Identify which data you would use to answer the question at your institution.



Tomorrow's Doctors, Tomorrow's Cures



Learn

Serve

Lead

Association of
American Medical Colleges