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# Teaching Hospital Characteristics

Association of American Medical Colleges



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# Table of Contents

## **Section 1: AAMC-Member Teaching Hospital Overview**

[AAMC-Member Teaching Hospitals by Category](#)

[AAMC-Member Teaching Hospitals by Ownership Category](#)

[AAMC Membership Geography](#)

[Comparison of Hospitals by Bed Size](#)

## **Section 2: AAMC-Member Teaching Hospitals and GME**

[The Role of AAMC-Member Teaching Hospitals in Graduate Medical Education](#)

[Residents Educated at AAMC-Member Teaching and Other Teaching Hospitals](#)

[Per Resident Amount](#)

[Medicare Coverage of DGME costs](#)

[Trends in GME Cap and Count Growth at Academic Health Systems](#)

## **Section 3: AAMC-Member Teaching Hospital Clinical Services**

[Overview of AAMC-Member Hospital Services](#)

[AAMC-Member Teaching Hospitals Treat Higher Rates of Outlier Cases and the Trend Continues](#)

[Outpatient Visits, by Bed Size and Teaching Status](#)

[Comparison of Length of Stay, Case Complexity and Occupancy Rates Among AAMC-Member Teaching, Other Teaching, and Non-Teaching Hospitals](#)

[Change in Median Occupancy Rates Among Hospitals by Teaching Status](#)

[AAMC-Member Teaching Hospitals Treat Higher Rates of Transfer Cases](#)

## **Section 4: AAMC-Member Teaching Hospital Financial Information**

[Proportion of Charity Care Costs Provided at AAMC-Member Teaching and Other Hospitals](#)

[Median Amount of Charity and Uncompensated Care Provided at AAMC-Member Teaching and Other Hospitals](#)

[Net Patient Revenue Payer Mix at AAMC-Member Teaching and Other Hospitals](#)

[Aggregate Patient Care Margins at AAMC-Member and Non-Member Teaching](#)

## AAMC-Member Teaching Hospitals by Category, 2022

AAMC-Member Teaching Hospital Category	Number of Members	Percentage
Integrated	103	39.6%
Independent	110	42.3%
Specialty	7	2.7%
Children's	18	6.9%
Veteran's Affairs	21	8.1%
Other Federal (NIH)	1	0.4%
<b>Total</b>	<b>260</b>	<b>100.0%</b>

Notes: Counts exclude corresponding members. Integrated and independent institutions are all short-term, general, nonfederal AAMC members.

Source: AAMC membership data, December 2023

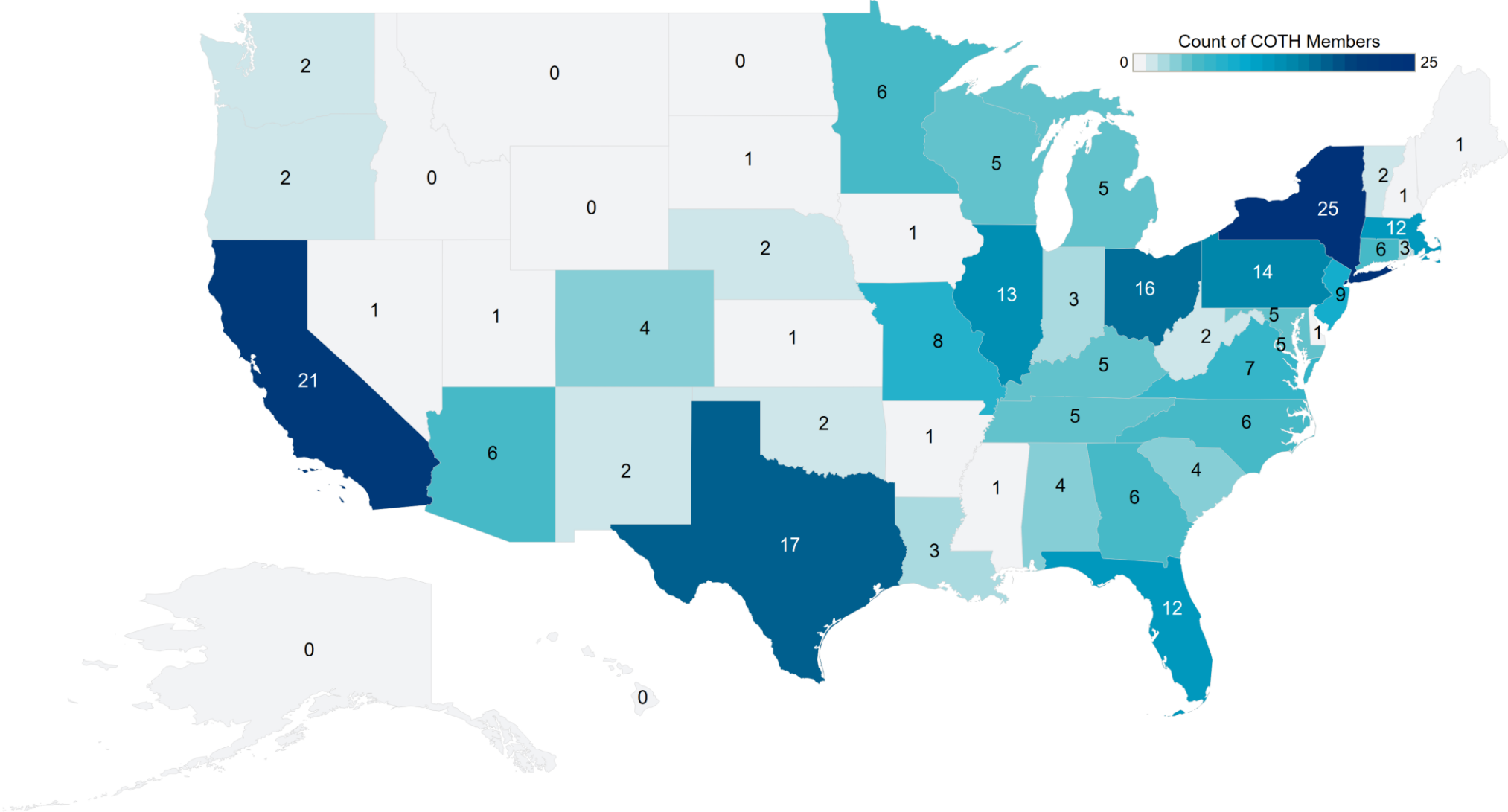
## AAMC-Members by Ownership Category, 2022

Category	Number of Members	Percentage
Church	12	5.6%
For-profit	4	1.9%
Municipal/county/city	20	9.4%
Other not-for-profit	152	71.4%
State government	25	11.7%
<b>Total</b>	<b>213</b>	<b>100.0%</b>

Notes: Data reflect short-term, general, nonfederal, integrated and independent AAMC-member hospitals. Short-term, general, nonfederal designation obtained from the FY2022 American Hospital Association file. Excludes all corresponding members as well as specialty, children's, VA, and other federal hospitals.

Source: AAMC membership data, December 2023. Ownership categories obtained from the FY2022 American Hospital Association data.

# AAMC Membership Geography, December 2023



Notes: Includes independent, integrated, children’s, specialty, VA, and other federal hospitals. Counts exclude corresponding members. Integrated and independent institutions are all short-term, general, nonfederal AAMC-member teaching hospitals.  
Source: AAMC membership data, December 2023.

## Comparison of Hospitals by Bed Size, 2022

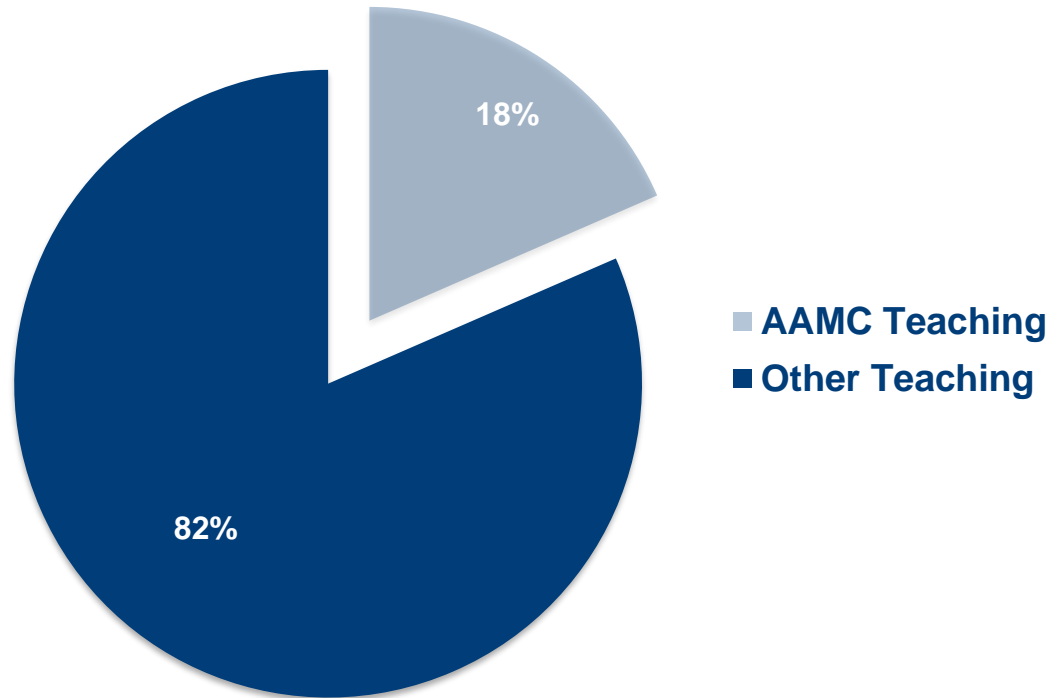
Bed Size	AAMC-Member Integrated and Independent Hospitals		All Hospitals	
	No. of Hospitals	Percent of AAMC Hospitals	No. of Hospitals	Percent of All Hospitals
Fewer than 200 beds	6	2.8%	3,057	71.6%
200-299 beds	9	4.2%	458	10.7%
300-399 beds	24	11.3%	288	6.7%
400-499 beds	31	14.6%	170	4.0%
500+ beds	142	67.0%	295	6.9%
<b>Total</b>	<b>212</b>	<b>100.0%</b>	<b>4,268</b>	<b>100.0%</b>

Notes: Data reflect short-term, general, nonfederal hospitals. AAMC-member hospitals reflect integrated and independent AAMC members, excluding corresponding members, as well as specialty, children's, VA, and other federal hospitals.

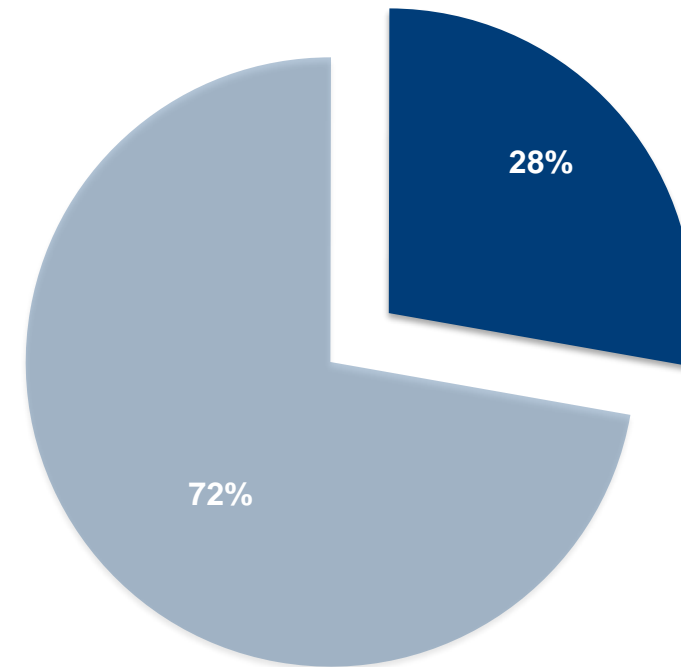
Source: AAMC analysis of FY2022 American Hospital Association data. AAMC membership data, December 2023.

# The Role of AAMC-Member Teaching Hospitals in Graduate Medical Education, 2022

## AAMC-Member Teaching Hospitals as a Percent of All Teaching Hospitals



## Residents Educated at AAMC-Member and Other Teaching Hospitals



Notes: Data reflect short-term, general, non-federal hospitals. Data for AAMC-member teaching hospitals reflect integrated and independent AAMC members.  
Source: AAMC analysis of FY2022 American Hospital Association data. AAMC membership data, December 2023

## Residents Educated at AAMC-Member and Other Teaching Hospitals, 2022

Bed Size	AAMC-Member Teaching Hospitals			All Other Teaching Hospitals		
	No. of Hospitals	Percent of All AAMC-Member Teaching Hospitals	Median No. of Residents	No. of Hospitals	Percent of All Other Teaching Hospitals	Median No. of Residents
Fewer than 200 beds	5	2.9%	24	211	31.2%	11
200-299 beds	8	4.7%	85	174	25.7%	18
300-399	19	11.1%	98	137	20.3%	36
400-499	23	13.5%	196	66	9.8%	39
500+	116	67.8%	492	88	13.0%	83
<b>Total</b>	<b>171</b>	<b>100.0%</b>	<b>336</b>	<b>676</b>	<b>100%</b>	<b>23</b>

Notes: Data reflect short-term, general, nonfederal hospitals. Teaching hospitals are defined as having intern and resident to bed ratio greater than zero (FY2024 IPPS Correction Notice to the Final Rule impact file) and reported number of FTE residents in the FY2022 AHA annual survey. The counts of hospitals reflect such a definition.

Source: AAMC analysis of FY2022 American Hospital Association data. AAMC membership data, December 2023



There are approximately 125,238 trainees, including 119,539 residents in ACGME accredited programs. Of trainees in those programs, Medicare reimburses only 93,885 at or below the cap established in 1997.

## Per Resident Amount, FY2021

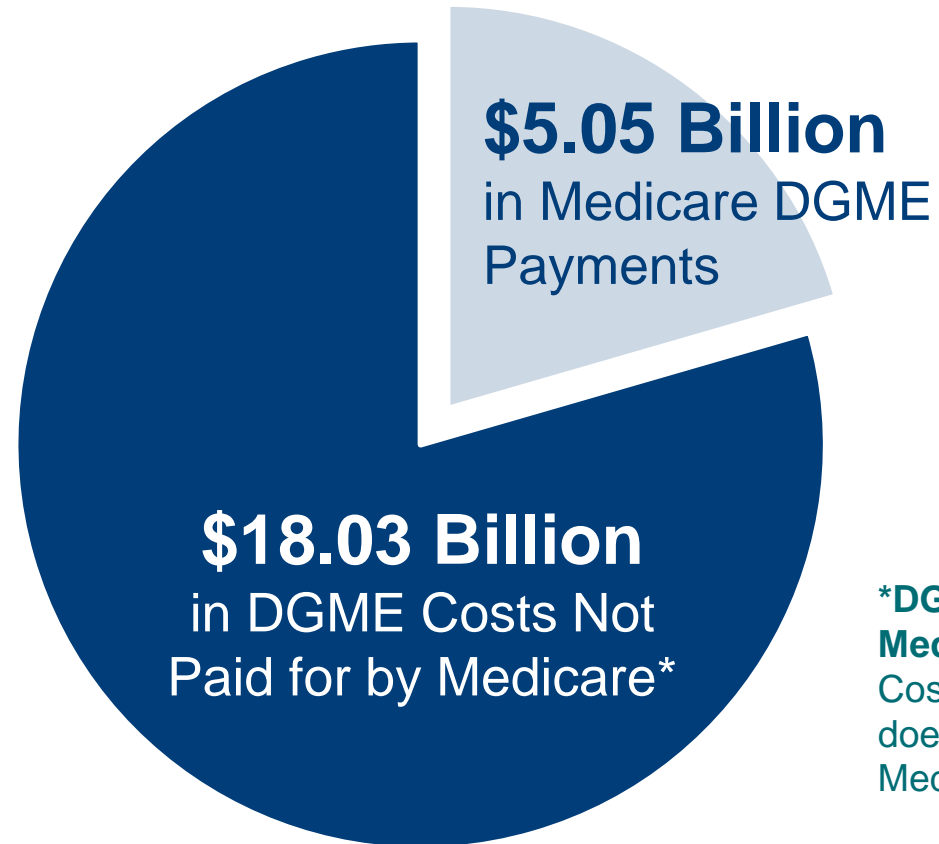
<b>DGME Cost per Trainee</b>	<b>Average Cost</b>
Average Cost per trainee	\$184,313
Average Per Resident Amount (PRA)*	\$125,826
Average Medicare DGME payment per Resident (based on Medicare's share of the PRA)	\$53,823
<b>Total Cost of Training in US Teaching Hospitals</b>	\$23.1 billion
<b>Total Medicare DGME Payment</b>	\$5.05 billion
<b>Medicare underpayment (based on Medicare share of DGME costs)</b>	\$3.41 billion

\*The amount Medicare uses which represents the maximum payment from Medicare per resident assuming 100% of care is borne by Medicare

Source: AAMC Analysis of FY2021 Medicare Cost Report data, July 2023 Hospital Cost Reporting Information System (HCRIS) release. If FY2021 data is not available, FY2020 data is used.

# Medicare Covered Only 22% of All DGME Costs for US Teaching Hospitals in FY2021

Total Teaching Hospital DGME Costs FY2021  
**\$23.1 Billion**

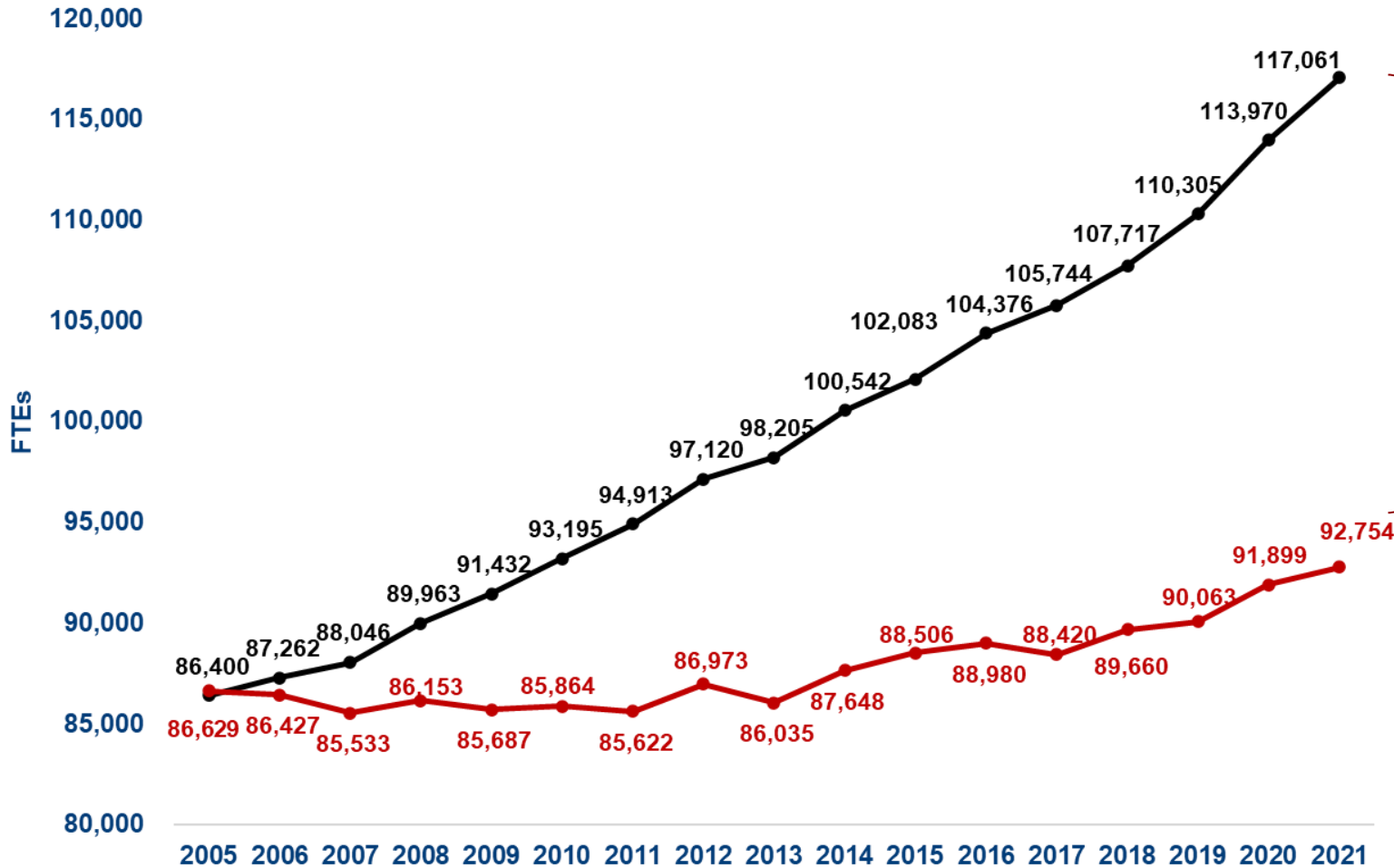


**\*DGME Costs Not Paid for by Medicare = \$3.41B in Medicare Costs above the Cap that Medicare does not pay and \$14.63 B in non-Medicare DGME costs.**

Note: This analysis was restricted to hospitals that were included in the FY2024 IPPS impact file released by CMS. The total training costs include intern and resident salary, fringe, and other costs.  
Source: AAMC Analysis of FY2021 Medicare Cost Report data, July 2023 Hospital Cost Reporting Information System (HCRIS) release. If FY2021 data is not available, FY2020 data is used.

# Trends in GME Cap and Count Growth at Academic Health Systems

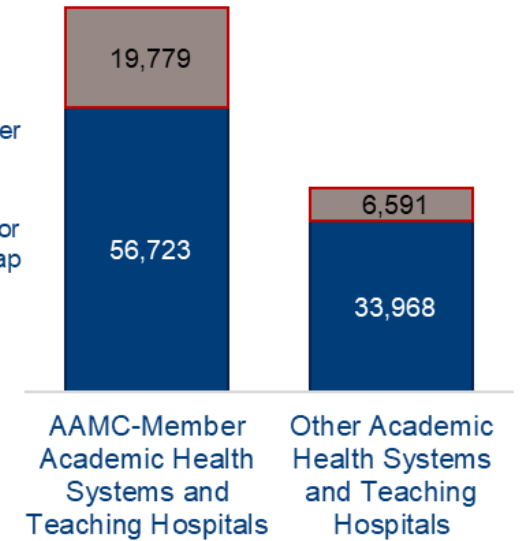
DGME Cap and Count FY2005 to FY2021 (All Health Systems)



AAMC Members Account for the Majority of DGME Count over the Cap in FY2021

In FY2021 AAMC Members accounted for majority of the DGME FTE count over cap

■ FTEs Over Cap  
■ FTEs At or Under Cap

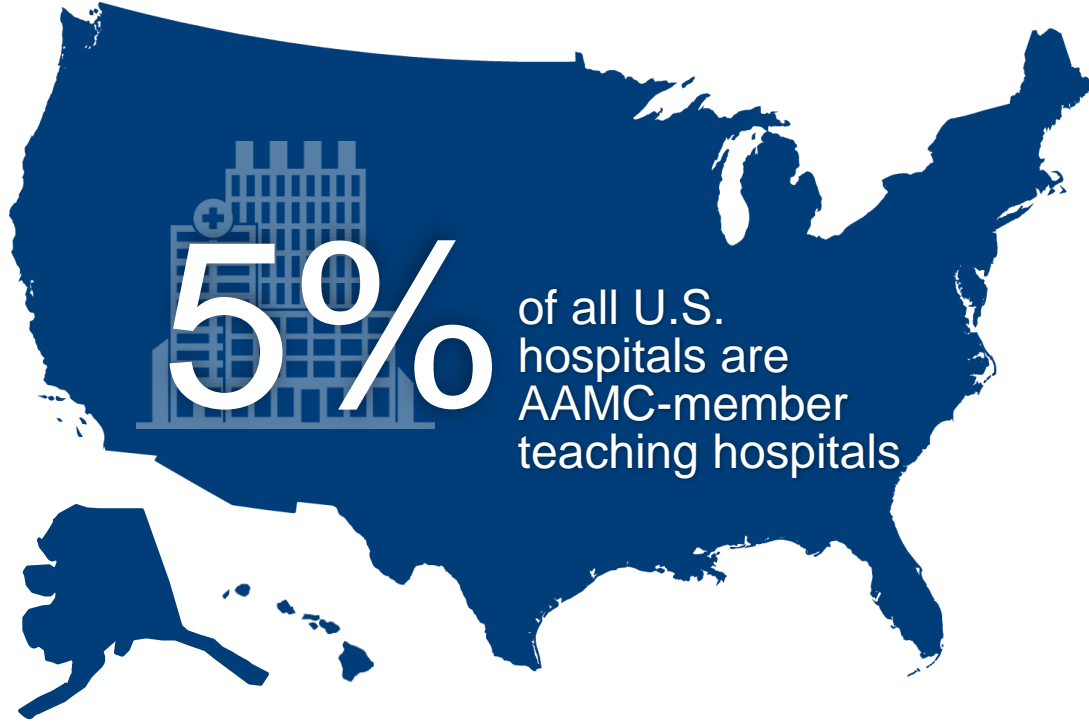


Source: AAMC's analysis of FY2021 Hospital Cost Reporting Information System (HCRIS) data, July 2023 release.

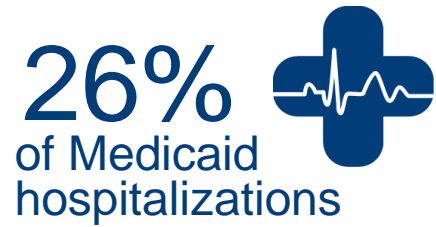
Note: DGME counts include allopathic and osteopathic residents. Includes redistributed slots under Section 422, Section 5503, and Section 5506. DGME counts are unweighted FTEs.

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# Overview of AAMC-Member Hospital Services



However, they provide:

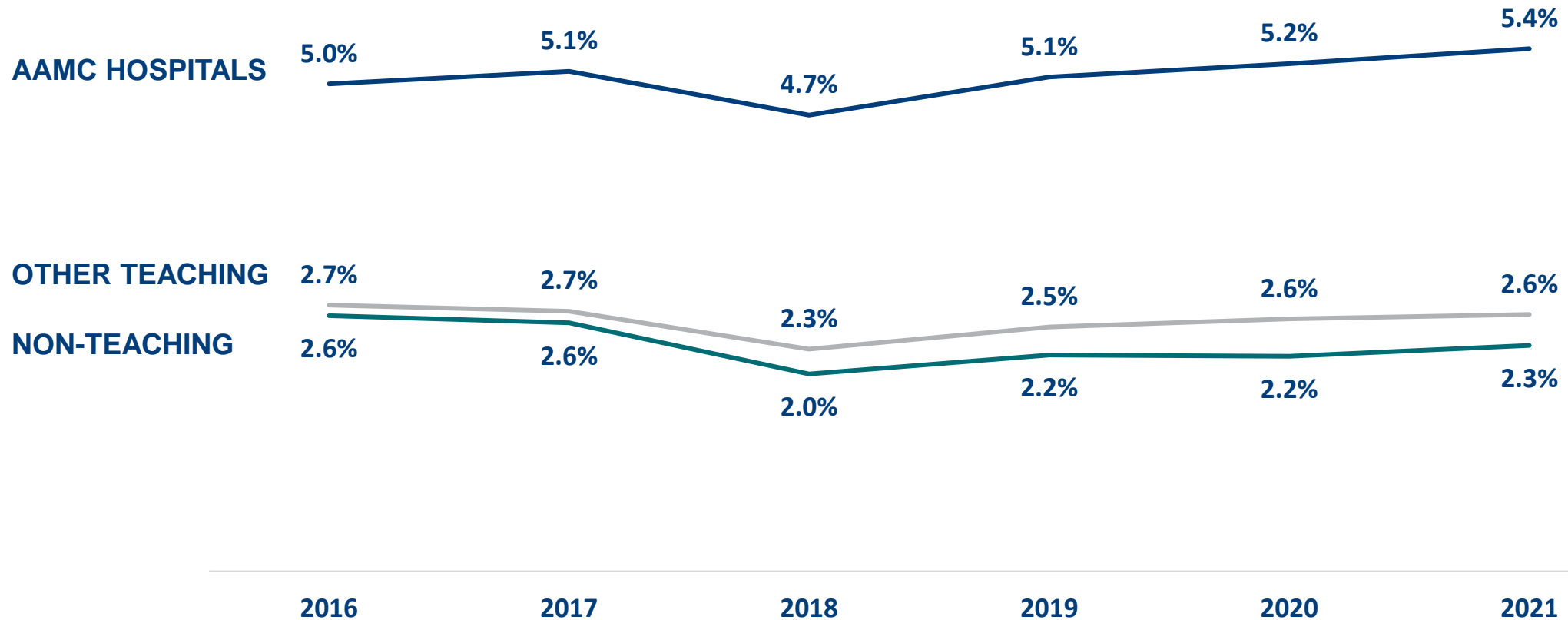


Note: Data reflect short-term, general, nonfederal hospitals.

Source: AAMC analysis of FY2022 American Hospital Association data, American College of Surgeons Level 1 Trauma Center designations, 2023, and the National Cancer Institute's Office of Cancer Centers, 2022. AAMC membership data, December 2023.

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# AAMC-Member Teaching Hospitals Treat Higher Rates of Outlier Cases and the Trend Continues, FY2016-2021



Notes: This analysis controlled for payment factors (DRG weight, wage index, IRB ratio, and disproportionate patient percentage) and random hospital-specific effects.  
Source: AAMC analysis of Medicare claims data from FY2016- FY2021.

## Outpatient Visits by Bed Size and Teaching Status, 2022

Bed Size	Median Outpatient Visits		
	AAMC-Member Teaching Hospitals	Other Teaching Hospitals	Nonteaching Hospitals
Fewer than 200 beds	163,359	129,456	47,794
200-299 beds	227,228	195,661	150,000
300-399 beds	220,190	210,621	178,901
400-499 beds	503,444	270,657	170,347
500+ beds	743,989	421,302	268,625
<b>Total</b>	<b>589,634</b>	<b>196,125</b>	<b>56,084</b>

Notes: Data reflect short-term, general, nonfederal hospitals. Data for AAMC-member teaching hospitals reflect integrated and independent AAMC members.  
Source: AAMC analysis of FY2022 American Hospital Association data. AAMC membership data, December 2023.

## Comparison of Length of Stay, Case Complexity and Occupancy Rates Among Hospitals by Teaching Status, 2022

	Median Length of Stay (in days)*	Aggregate Case Mix**	Median Occupancy Rate
AAMC-Member Teaching Hospitals	6.4	2.28	79%
Other Teaching Hospitals	5.2	1.93	66%
Nonteaching Hospitals	4.9	1.80	46%

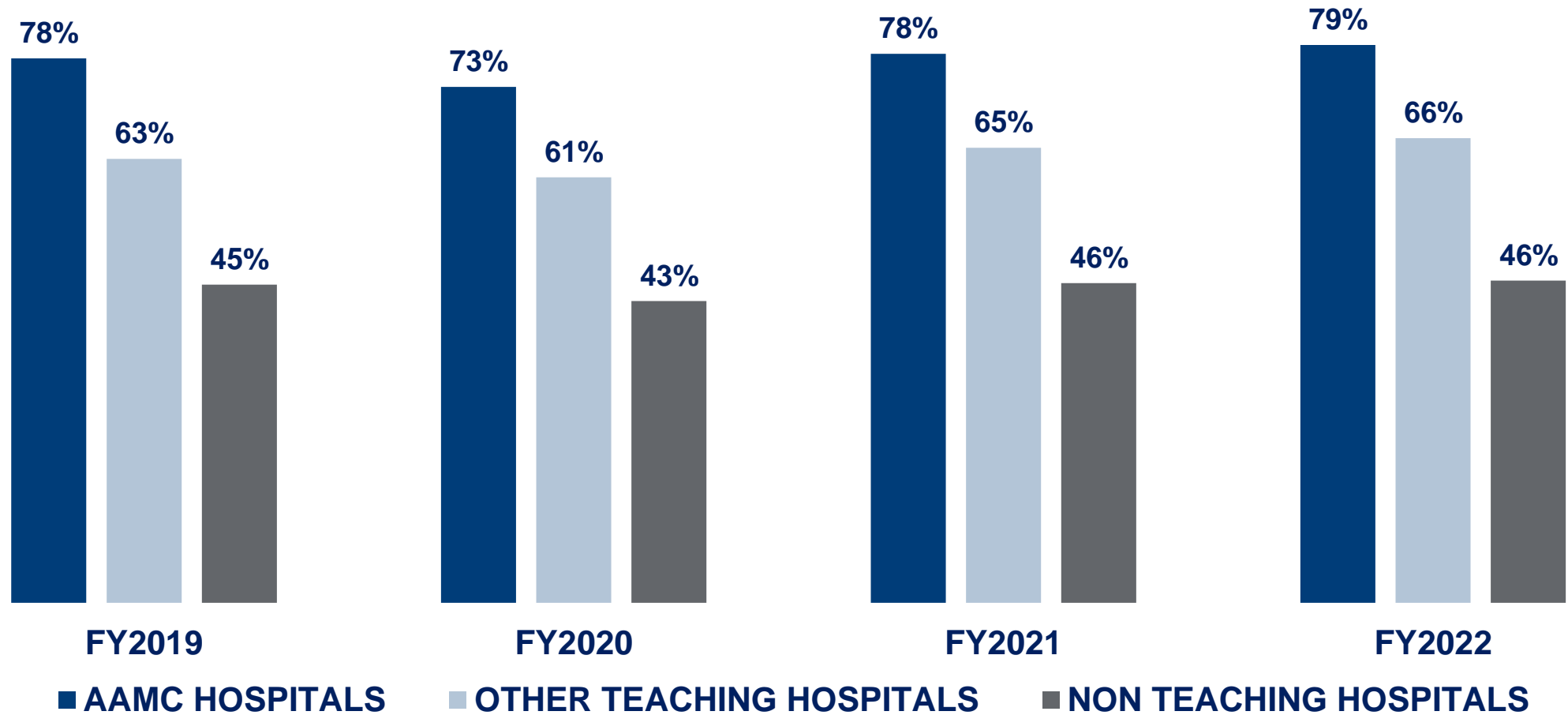
\*Length of stay is not adjusted to reflect complexity of patient population (i.e., case mix)

\*\*Based on 2021 Medicare claims data

Notes: Data reflect short-term, general, nonfederal hospitals. Data for AAMC-member teaching hospitals reflect integrated and independent AAMC members.

Source: AAMC analysis of FY2022 American Hospital Association data. AAMC membership data, December 2023.

## Change in Median Occupancy Rates Among Hospitals by Teaching Status, 2019-2022



Notes: Data reflect short-term, general, nonfederal hospitals. Data for AAMC-member teaching hospitals reflect integrated and independent AAMC members.

Source: AAMC analysis of FY2019-2022 American Hospital Association data. AAMC membership data, December 2023.

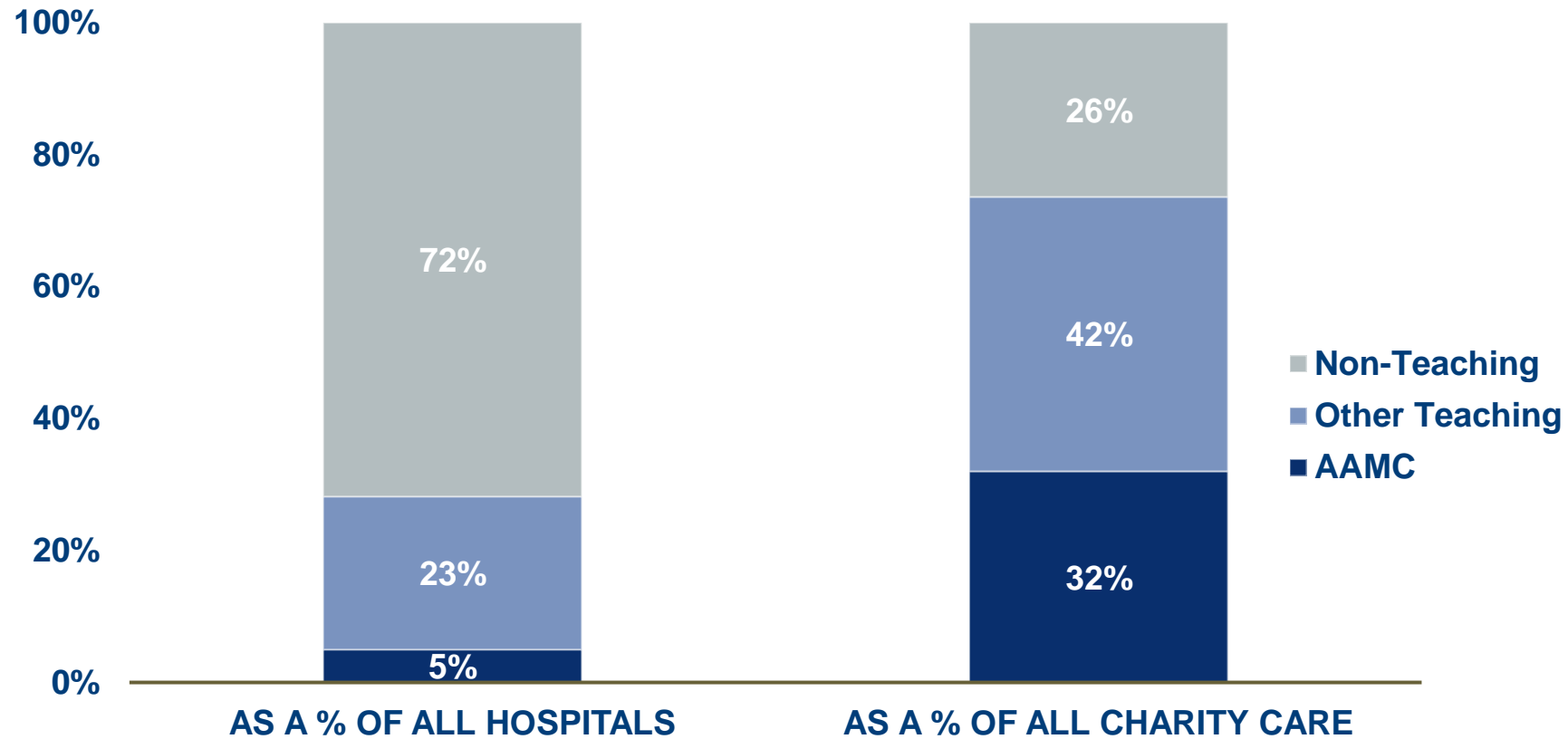


## AAMC-Member Teaching Hospitals Treat Higher Rates of Transfers Cases, 2021

	Transfer Cases Share of All Medicare Inpatient Stays	Aggregate Case Mix for Transfer Cases
AAMC-Member Teaching Hospitals	12.5%	2.78
Other Teaching Hospitals	7.2%	2.32
Nonteaching Hospitals	3.8%	2.14

Notes: Data reflect short-term, general, nonfederal hospitals. Data for AAMC-member teaching hospitals reflect integrated and independent AAMC members.  
Source: AAMC analysis of Medicare claims data, 2021. AAMC membership data, December 2023

## Proportion of Charity Care Costs Provided at Hospitals by Teaching Status, 2022



**Notes:** Data reflect short-term, general, nonfederal hospitals. Data for AAMC-member teaching hospitals reflect integrated and independent AAMC members. Charity care is defined as the revenue forgone as a result of care provided without the expectation of payment. As these labels are rounded percentages, the totals for each bar may not add up to 100%.

**Source:** AAMC analysis of FY2022 American Hospital Association data. AAMC membership data, December 2023.

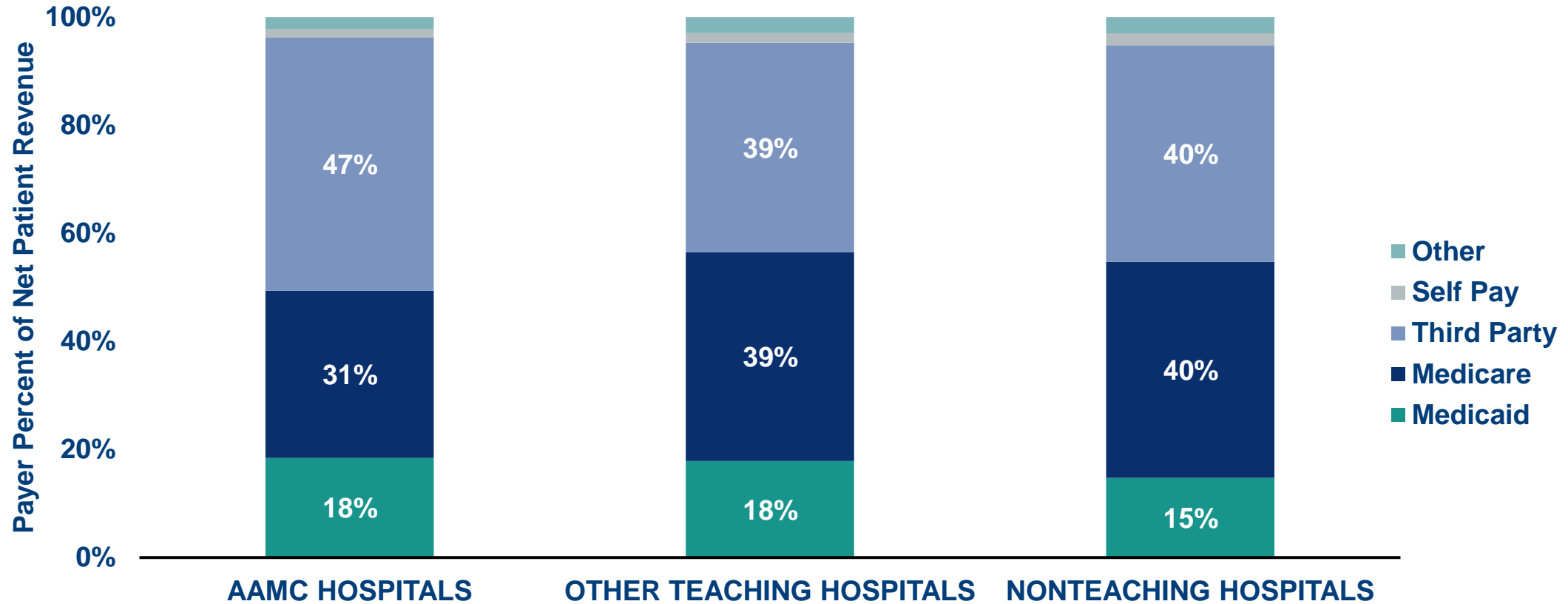
## Median Charity and Uncompensated Care Costs Provided at Hospitals by Teaching Status, 2022

	Number of Hospitals	Median Amount (Millions of dollars)	
		Charity Care Costs	Uncompensated Care Costs
AMMC-Member Teaching Hospitals	212	\$19.3	\$32.3
Other Teaching Hospitals	991	\$5.3	\$9.5
Nonteaching hospitals	3,065	\$0.8	\$1.9

Notes: Data reflect short-term, general, nonfederal hospitals. Data for AAMC-member teaching hospitals reflect integrated and independent AAMC members. Charity care is defined as care provided without the expectation of payment. Excludes hospital's bad debt and is measured in terms of costs, not charges.

Source: AAMC analysis of a special tabulation using FY2022 American Hospital Association (AHA) data. AAMC membership data, December 2023.

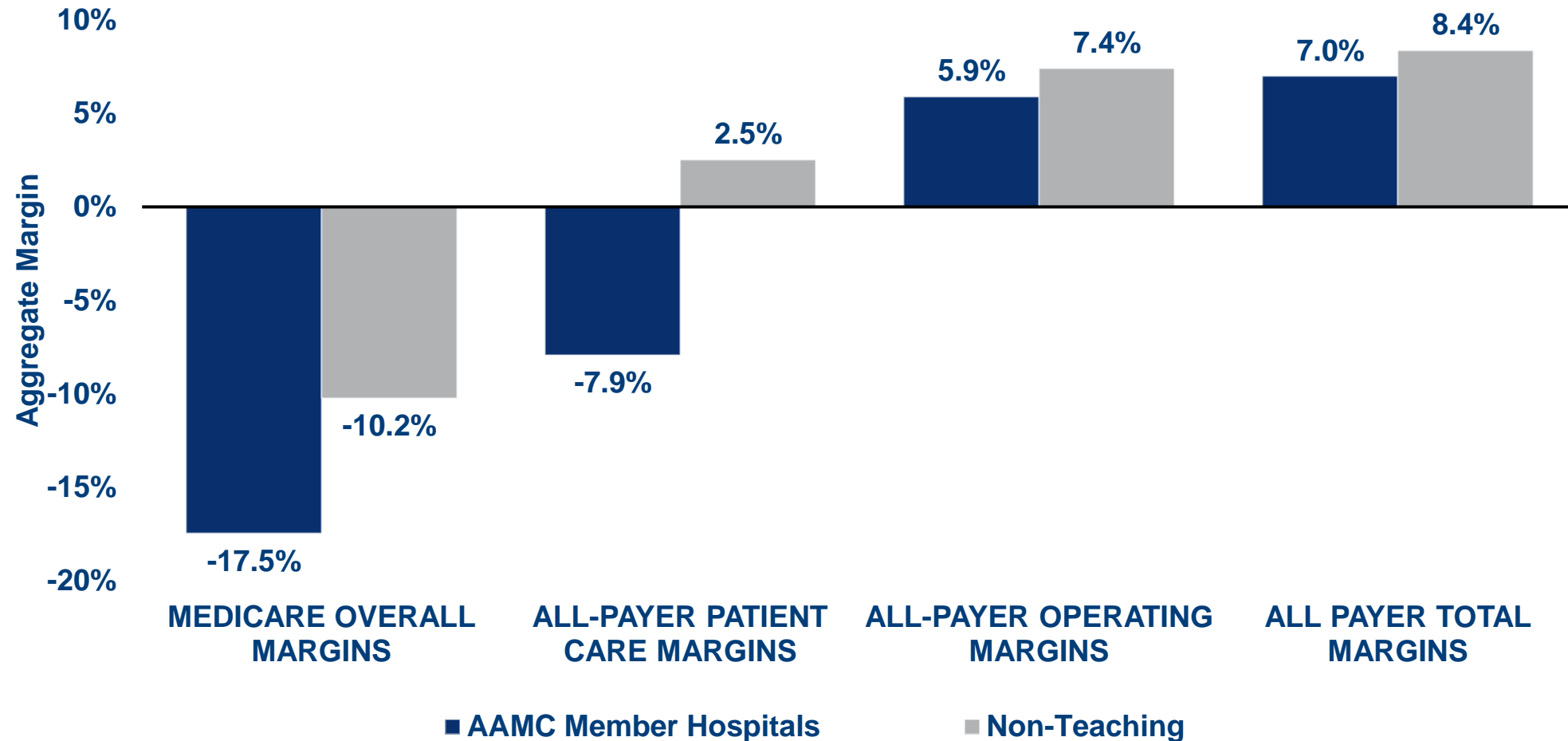
## Net Patient Revenue Payer Mix at Hospitals by Teaching Status, 2022



Notes: Data reflect short-term, general, nonfederal hospitals. Data for AAMC-member teaching hospitals reflect integrated and independent AAMC members. Gross patient payer mix is defined as net patient revenue from each source divided by total net patient revenue.

Source: AAMC analysis of FY2022 American Hospital Association data. AAMC membership data, December 2023.

## Aggregate Margins at AAMC-Member and Non-Member Teaching Hospitals, FY2021



Notes: Margins are as reported, after sequestration, and excludes outlier institutions, both high and low. General formula: (Revenues - Expenses) / Revenues. Operating Margin: revenues include all sources other than “Contributions, Donations, Bequests” and “Investment Income” and expenses include all hospital expenses.

Source: AAMC analysis of FY2021 the Hospital Cost Reporting Information System (HCRIS) released on July 30, 2023. AAMC membership data, September 2023.