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Office of Educational Affairs
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Alumni Survey: Preliminary Report – May 2011

Executive Summary

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At A Glance

*35% (2546/7338) overall survey response rate†

Race/Ethnicity

Overall:

*3% Hispanic/Latino

*0.4% American Indian or Alaskan Native

*7% Asian

*2% Black or African American

*.05% Native Hawaiian or Other Pacific Islander

*3% Other

*81% White

Degree, License, & Specialty

*14-20% of the respondents from GSN, SOM, & GME indicated at least one additional **degree** has been obtained

*62% overall obtained **initial** license in Massachusetts

~GSN: 80% obtained initial license in Massachusetts

~SOM: 61% obtained initial license in Massachusetts

~GME: 64% obtained initial license in Massachusetts

*26% overall have 1 additional **current** license in Massachusetts

~GSN: 58% have 1 additional current MA license

~SOM: 23% have 1 additional current MA license

~GME: 18% have 1 additional current MA license

*63% overall with **at least** one Massachusetts license

~GSN: 87% with at least one MA license

~SOM: 59% with at least one MA license

~GME: 64% with at least one MA license

***Primary specialty in primary care** stratified by school:

	GSN	SOM	GME
Family Medicine	3%	15%	16%
General Medicine/Primary Care	2%	1%	1%
Internal Medicine	12%	18%	13%
Nurse Practitioner	20%	N/A	N/A
Pediatrics	3%	12%	8%
Subtotal Primary Care (Subtotal PC)	40%	46%	38%
Emergency Medicine (ER)	2%	10%	9%
OB/GYN	1%	4%	4%
Total Primary Care (Total PC)	43%	60%	50%

***At least one Primary Care specialty** stratified by school:

~GSN: 32% subtotal PC, 36% total PC with at least one Primary Care specialty

~SOM: 47% subtotal PC, 60% total PC with at least one Primary Care specialty

~GME: 43% subtotal PC, 56% total PC with at least one Primary Care specialty

*74% overall are board certified in their primary specialty

Practice Type & Location

*Type of practice/position- largest percent by school:

~GSN: 18% hospital-based specialty care (e.g., pathology, ER)

~SOM: 22% academic health center

~GME: 24% office-based specialty care (including hospital care)

†Calculations presented in this report are based on data collected (1950/7338) as of February 2011.

Practice Type & Location

*Practice/serve in federally assisted underserved location by school:

- ~GSBS: 3%
- ~GSN: 9%
- ~SOM: 13%
- ~GME: 9%

*Of those responding by practice type:

- ~46-60% inner-city communities
- ~20-42% rural communities

*Of those responding by practice location:

- ~40-69% Massachusetts
- ~53-90% New England

Academic Appointments by Percent Time on Activity

*Of those with an academic appointment who spend the majority of their time (71-100%) on activities:

Activity with largest percent by school:

- ~GSBS: 78% research
- ~GSN: 58% patient care
- ~SOM: 59% patient care
- ~GME: 62% patient care

Current Research

*28% overall are **currently** involved in research

- ~75% from GSBS are currently involved in research
- ~20-26% from GSN, SOM, & GME are currently involved in research

Employment Status

*81% overall are full-time employees

Summary

The University of Massachusetts Medical School (UMMS) in Worcester, Massachusetts developed and disseminated its first institution-wide alumni survey in November 2010 with a follow-up to all non-responders in February 2011. As of May 20, 2011, the overall response rate is 35% (2546/7338)[†]. School-specific response rates are 33% and 36% for Graduate School of Biomedical Science (GSBS) and Graduate School of Nursing (GSN), respectively, with a combined response rate of 25% for School of Medicine (SOM) and Graduate Medical Education (GME) (see Table 1). SOM and GME response rates were combined because alumni who graduated from SOM and GME were listed once in master dataset.

Race/Ethnicity

Of those responding, 3% overall indicated they were Hispanic/Latino with the largest percent (6.5%) graduating from GSBS. When respondents were asked to “select all that apply”, overall, 0.4% indicated they were American Indian or Alaskan Native, 7% Asian, 2% Black or African American, .05% Native Hawaiian or Other Pacific Islander, 3% Other, and 81% White (see Figure 1).

Degree, License, & Specialty

Overall, 18% of alumni have obtained at least one additional degree since graduating. Sixty-two percent and 71% of the respondents overall obtained their initial license from the Commonwealth of Massachusetts or one of the New England states, respectively. This information was not requested from GSBS respondents. Eighty percent of GSN, 61% of SOM, and 64% of GME alumni obtained their *initial* license from the Commonwealth of Massachusetts (see Table 2).

In addition, 26% overall have one *additional* current license in the Commonwealth of Massachusetts. When stratified by schools, 58% of GSN, 23% of SOM, and 18% of GME have obtained at least one *additional* current license from the Commonwealth of Massachusetts (see Table 3). When current and initial licenses are combined, 87%, 59%, and 64% of GSN, SOM, and GME alumni, respectively, have obtained at least one license from the Commonwealth of Massachusetts (see Table 4).

Forty-three to 60% of GSN, SOM, & GME respondents have their primary specialty in primary care, which includes emergency medicine, family medicine, general medicine/primary care, internal medicine, OB/GYN, and pediatrics; GSN percentage also includes nurse practitioner. Table 5 highlights GSN, SOM, and GME primary specialty results stratified by primary care. When primary, secondary, and tertiary specialties are combined, 36%, 60%, and 56% of GSN, SOM, and GME alumni, respectively, practice in a broadly defined Primary Care (see Table 6). Overall, 74% of the respondents are board certified in their primary specialty.

Practice Type & Location

When asked about their type of practice/position, the largest category by school was GSN with 18% in hospital-based specialty care (e.g., pathology, ER), SOM with 22% working in an academic health center, and 24% of GME alumni in office-based specialty care (including hospital care). This information was not requested from GSBS respondents. Regarding serving or practicing in a federally assisted underserved location stratified by school, responses rates are as follows: GSBS: 3%, GSN: 9%, SOM: 13%, and GME: 9%. Of those working in federally assisted underserved locations and who responded to practice type, 46-60% overall are located in inner-city communities and 20-42% overall are located in rural communities. For practice location, of those responding overall, 40-69% are in Massachusetts with 53-90% in one of the New England states.

[†]Calculations presented in this report are based on data collected (1950/7338) as of February 2011.

Academic Appointment by Percent of Time on Activity

For those with an academic appointment, respondents were asked about the percent of time spent in the following activities: patient care, research, education, administration, and other. Figures 2 – 6 highlight these results overall and stratified by school. It is not surprising to find the majority of GSBS graduates spending 71-100% of their time in research, while graduates from the remaining 3 institutions – GSN, SOM, & GME – spend the majority of their time in patient care.

Current Research

Twenty-eight percent of respondents (see Figure 7) indicated they were *currently* involved in research with the majority from GSBS (75%). Figure 8 highlights alumni who are currently involved in research for all 4 institutions on the UMMS campus. Of those responding who indicated they were *currently* involved in research, 25%, 70%, 12%, and 13% are involved in basic, clinical, translational, and “other” research, respectively (see Table 7). Respondents were asked to “select all that apply.” In addition, respondents were asked to indicate where their research takes place with 48%, 25%, and 9% overall choosing hospital, university, and community, respectively (see Table 8). It is important to note that 55% of GSBS alumni work in a university setting.

Employment Status

Finally, 81% of the respondents work full-time (more than 35 hours per week) with 95%, 73%, 80%, and 82% from GSBS, GSN, SOM, and GME, respectively, paid on a full-time basis. For part-time, overall 15% of respondents are employed less than 35 hours per week with 4%, 19%, 17%, and 14% from GSBS, GSN, SOM, and GME, respectively.

Closing

Given the success of the initial alumni survey project, the Provost and Chancellor’s Offices have specified an alumni survey be disseminated each year to those graduates celebrating their 5th, 10th, 15th, etc. reunion. The results from this annual survey will provide UMMS with up to date mailing addresses and career information of its alumni, which will allow the university to better track the individual, and collective, success of its graduates.



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Appendix A – Tables

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Table 1

Response Rate by School	Percent
Graduate School of Biomedical Sciences	33% (140/430)
Graduate School of Nursing	36% (283/792)
School of Medicine and Graduate Medical Education	25% (1527/6116)

Table 2

Obtained <u>initial</u> license in MA	Percent
Graduate School of Nursing	80% (215/268)
School of Medicine	61% (529/864)
Graduate Medical Education	64% (455/710)
Overall	62% (1012/1635)

This information not requested from GSBS respondents.

Table 3

Obtained at least one <u>additional</u> license in MA	Percent
Graduate School of Nursing	58% (80/137)
School of Medicine	23% (98/427)
Graduate Medical Education	18% (74/417)
Overall	26% (229/898)

This information not requested from GSBS respondents.

Table 4

Obtained at least one (<u>initial or current</u>) license in MA	Percent
Graduate School of Nursing	87% (246/283)
School of Medicine	59% (585/984)
Graduate Medical Education	64% (496/770)
Overall	63% (1138/1810)

This information not requested from GSBS respondents.

Table 5

Primary Specialty <i>only</i>	Graduate School of Nursing	School of Medicine	Graduate Medical Education
Family Medicine	3% (7/209)	15% (135/891)	16% (115/714)
General Medicine/Primary Care	2% (4/209)	1% (13/891)	1% (7/714)
Internal Medicine	12% (24/209)	18% (157/891)	13% (92/714)
Nurse Practitioner	20% (41/209)	N/A	N/A
Pediatrics	3% (6/209)	12% (104/891)	8% (54/714)
Subtotal Primary Care	40% (82/209)	46% (409/891)	38% (268/714)
Emergency Medicine	2% (5/209)	10% (88/891)	9% (61/714)
OB/GYN	1% (3/209)	4% (37/891)	4% (30/714)
Total Primary Care	43% (90/209)	60% (534/891)	50% (359/714)

This information not requested from GSBS respondents.

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Table 6

Specialty	Graduate School of Nursing	School of Medicine	Graduate Medical Education
Alumni licensed in at least one Primary Care specialty (Family Medicine, General Medicine/Primary Care, Internal Medicine, Pediatrics, Nurse Practitioner)	32% (91/283)	47% (460/984)	43% (333/770)
Alumni licensed in at least one Primary Care specialty (as outlined above plus OB/GYN and Emergency Medicine)	36% (102/283)	60% (593/984)	56% (432/770)

This information not requested from GSBS respondents.

Table 7

If currently involved in research, select all that apply.	Percent
Basic	25% (135/538)
Clinical	70% (375/538)
Translational	12% (62/538)
Other	13% (69/538)

Table 8

Highest three percentages where research takes place	Percent
Hospital	48% (257/534)
University	25% (135/534)
Community	9% (48/534)



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Appendix B – Figures

Figure 1

Race / Ethnicity All UMW Schools Combined

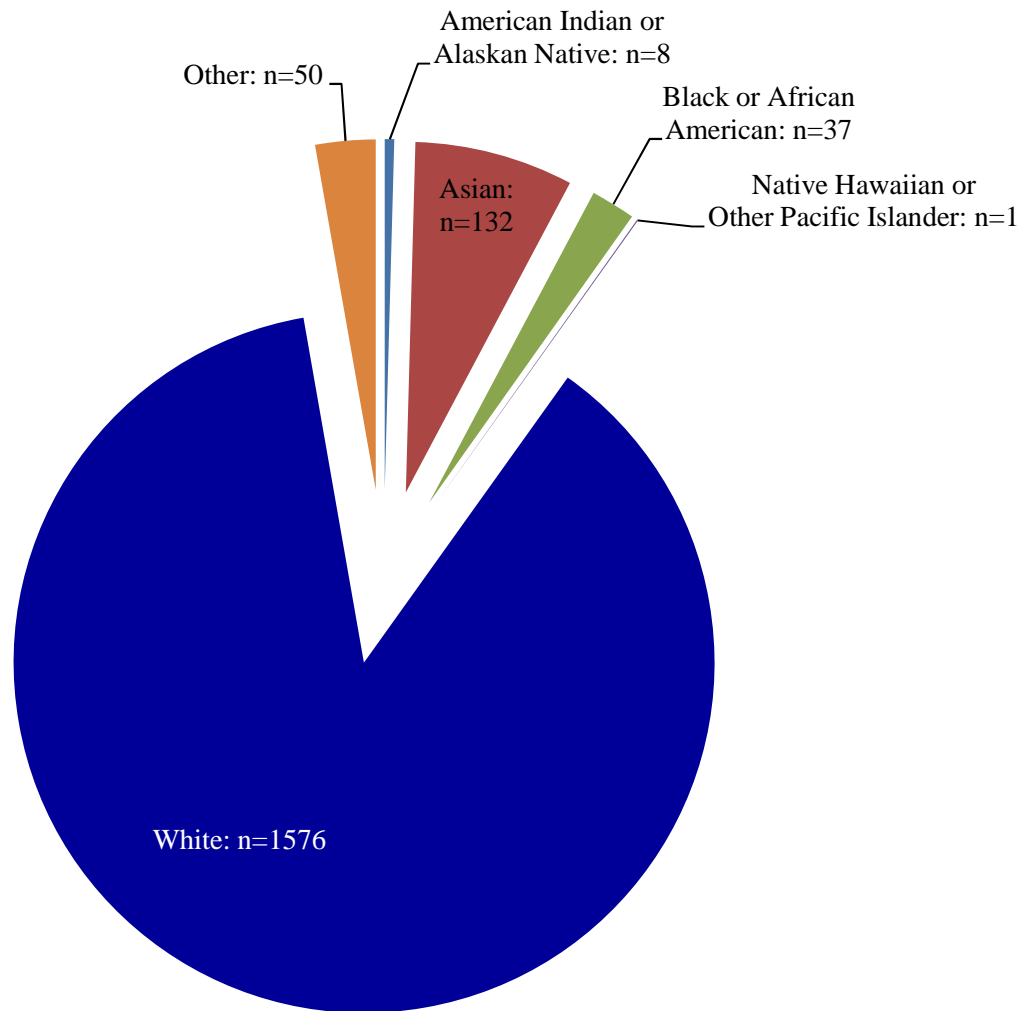
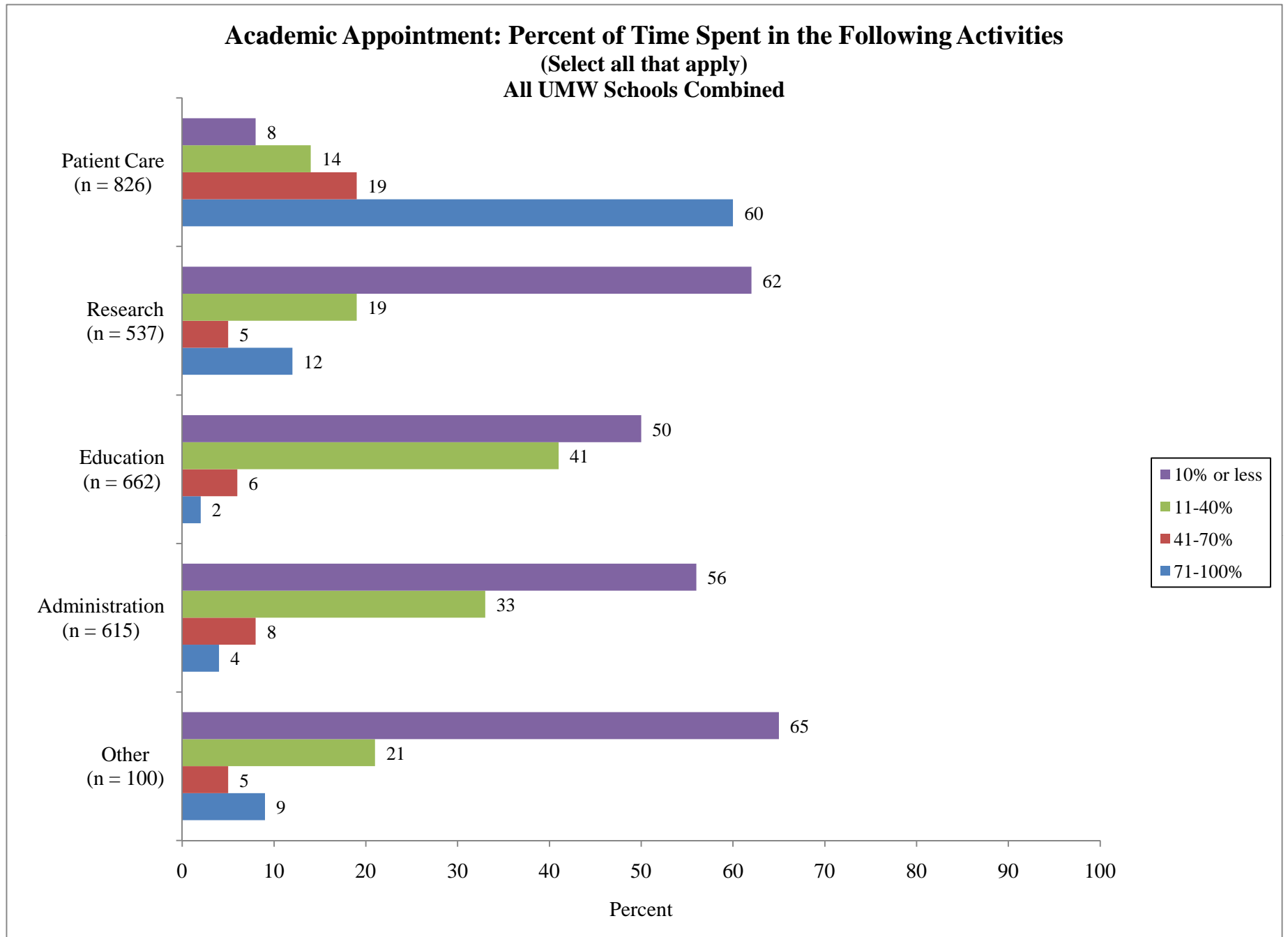
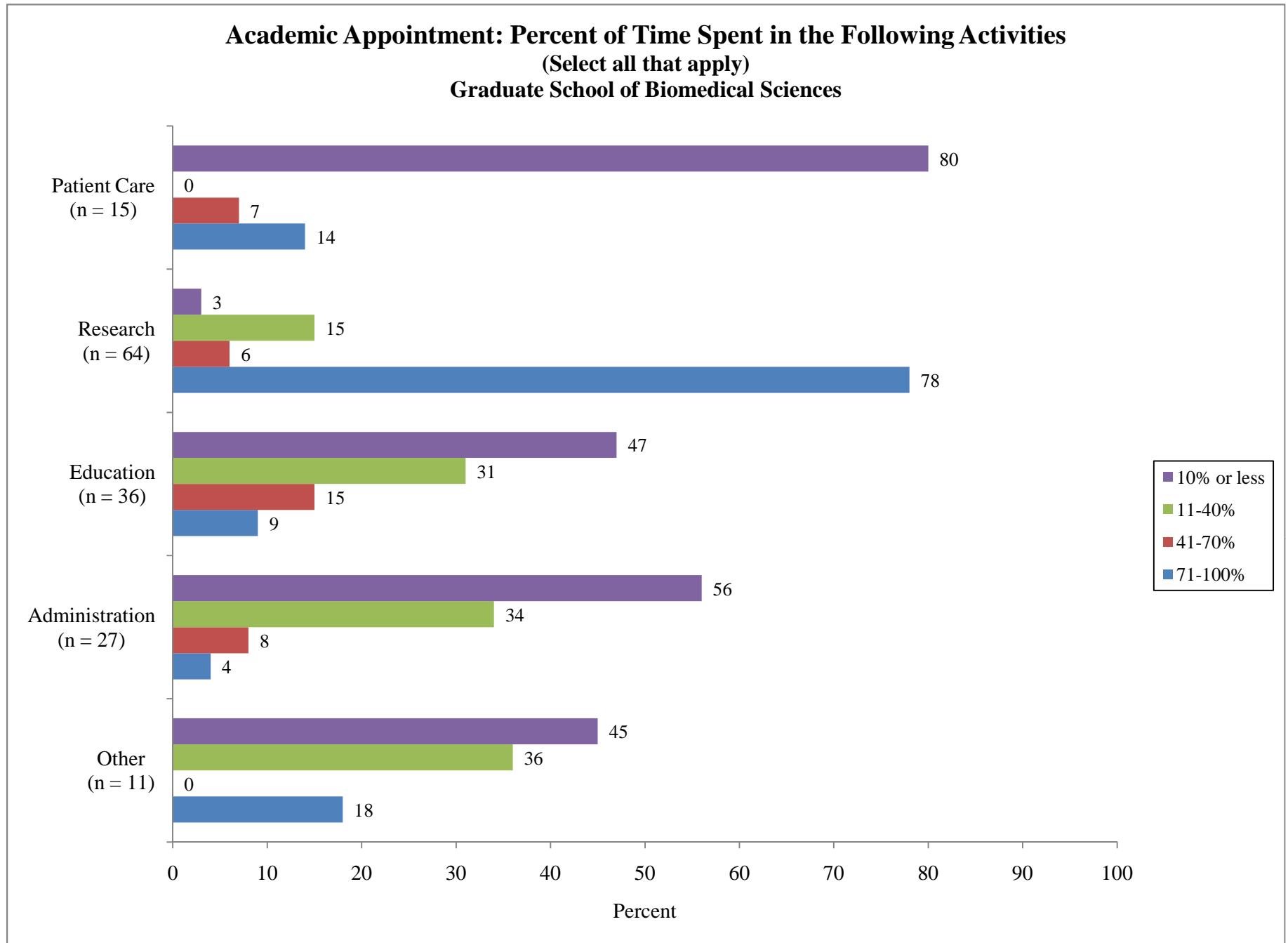


Figure 2



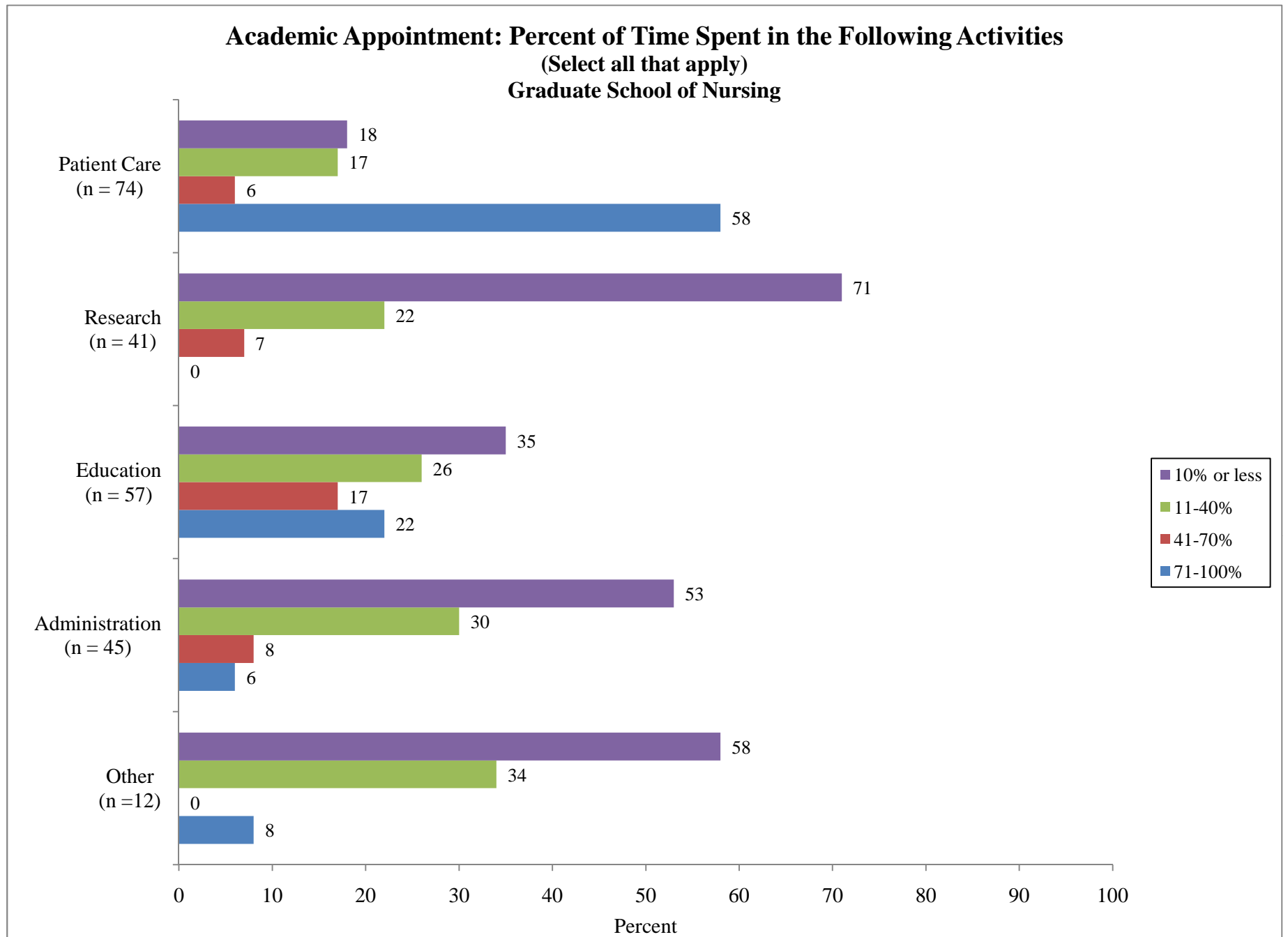
Respondents who graduated from SoM and GME are included in tables for both schools.
Graphs produced by the Research, Evaluation, and Assessment Division of the Office of Educational Affairs.

Figure 3



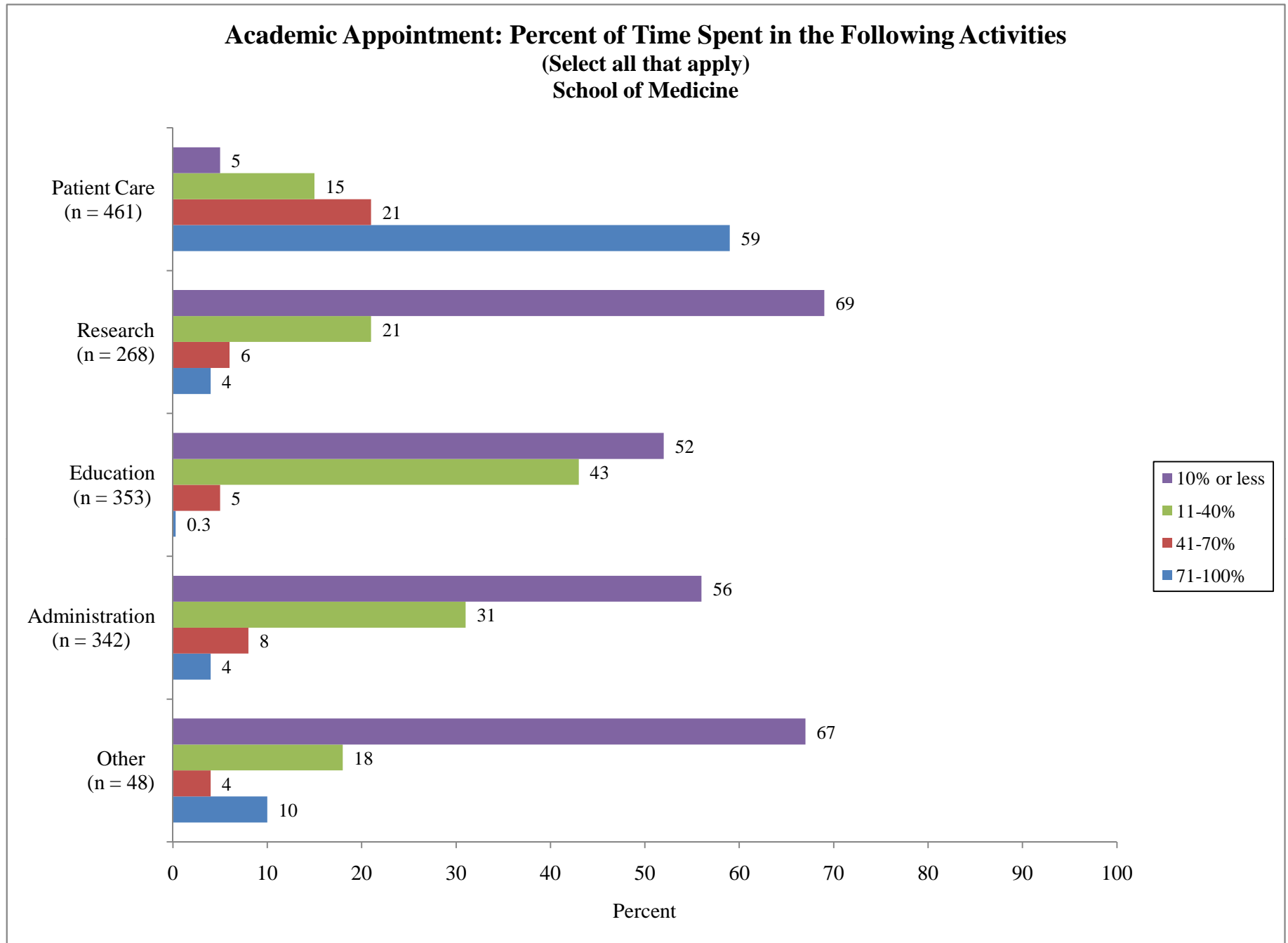
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Figure 4



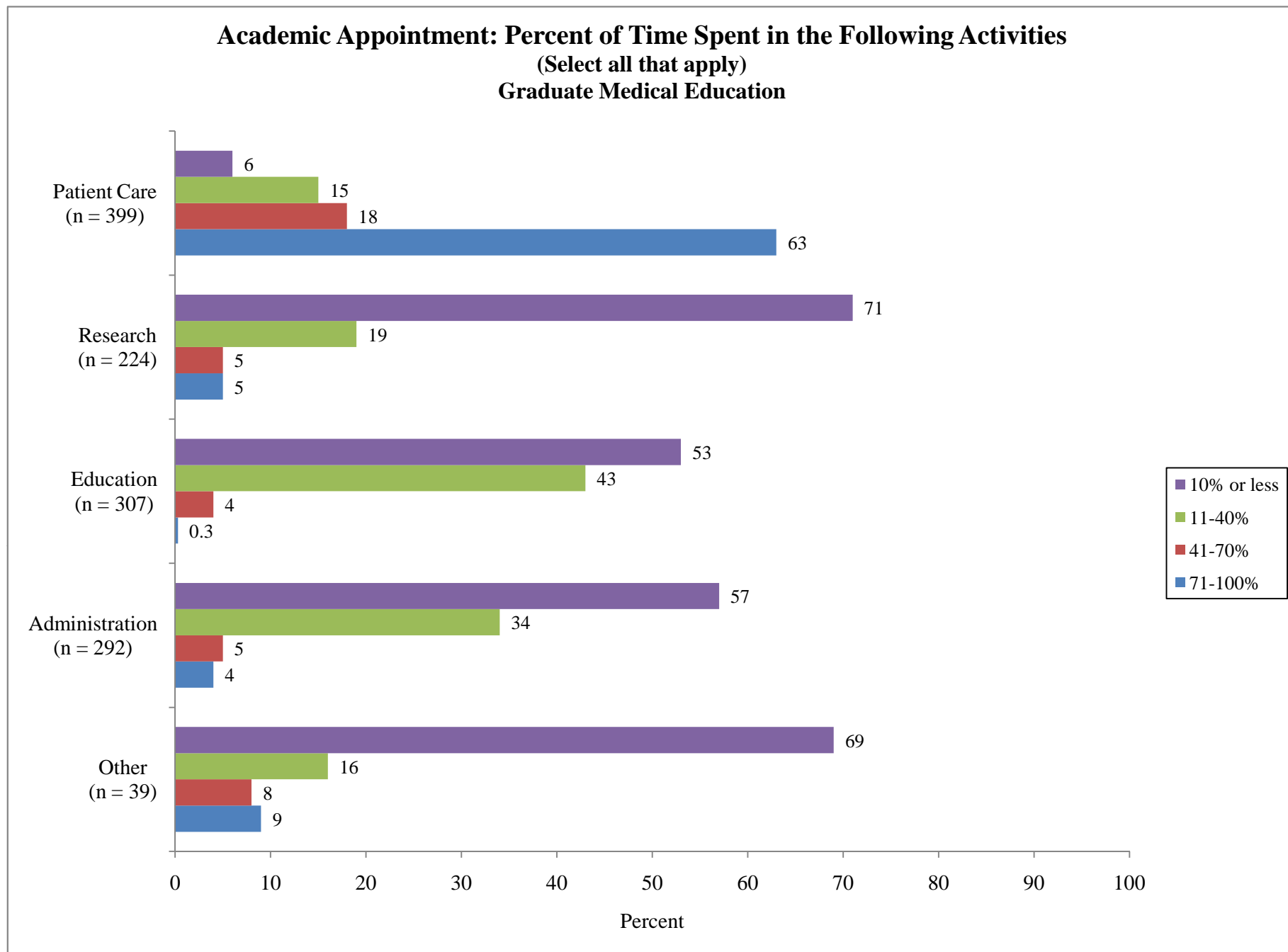
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Figure 5



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Figure 6



Respondents who graduated from SoM and GME are included in tables for both schools.

Graphs produced by the Research, Evaluation, and Assessment Division of the Office of Educational Affairs.

Figure 7

Current Research Involvement All UMW Schools Combined (n = 1898)

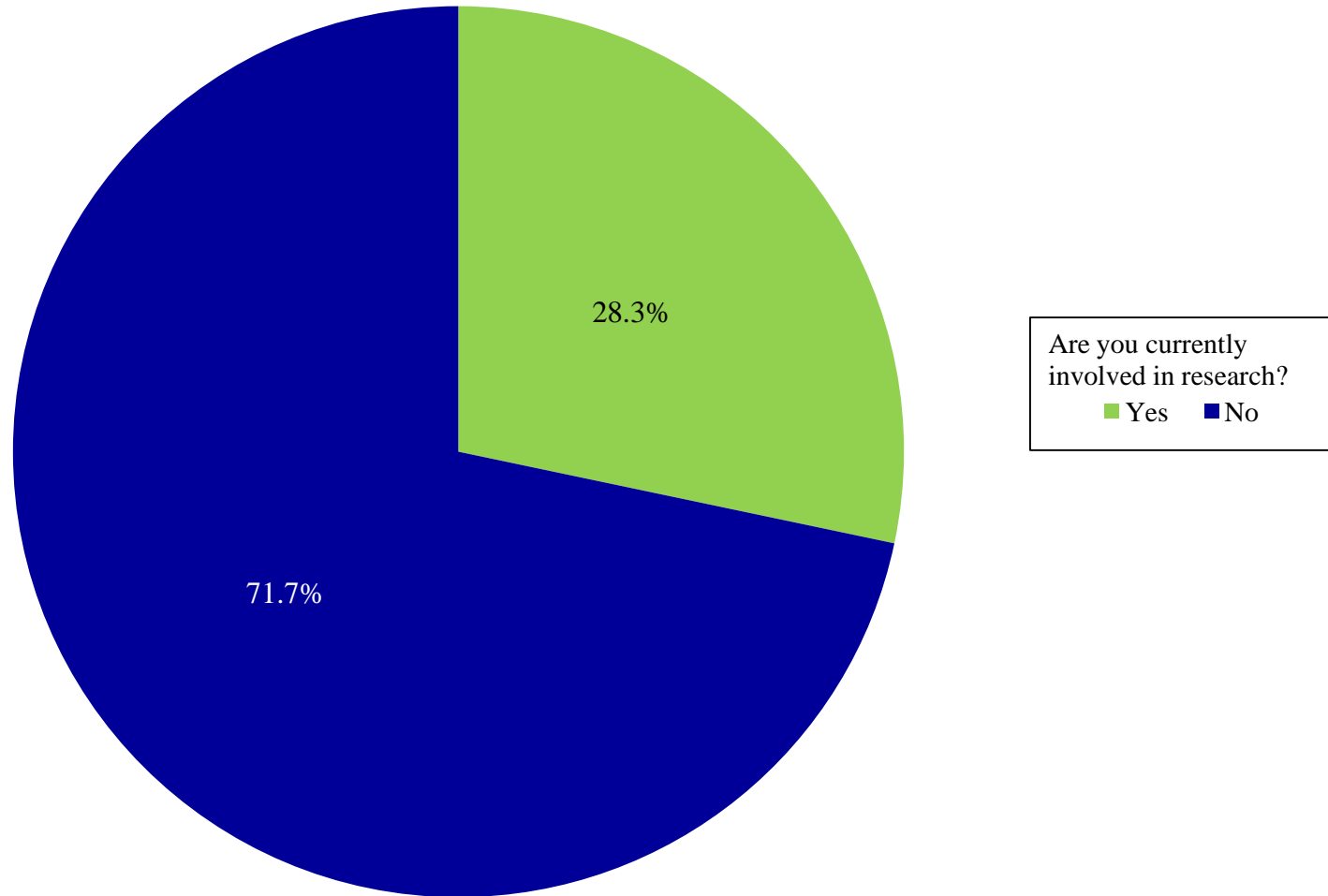
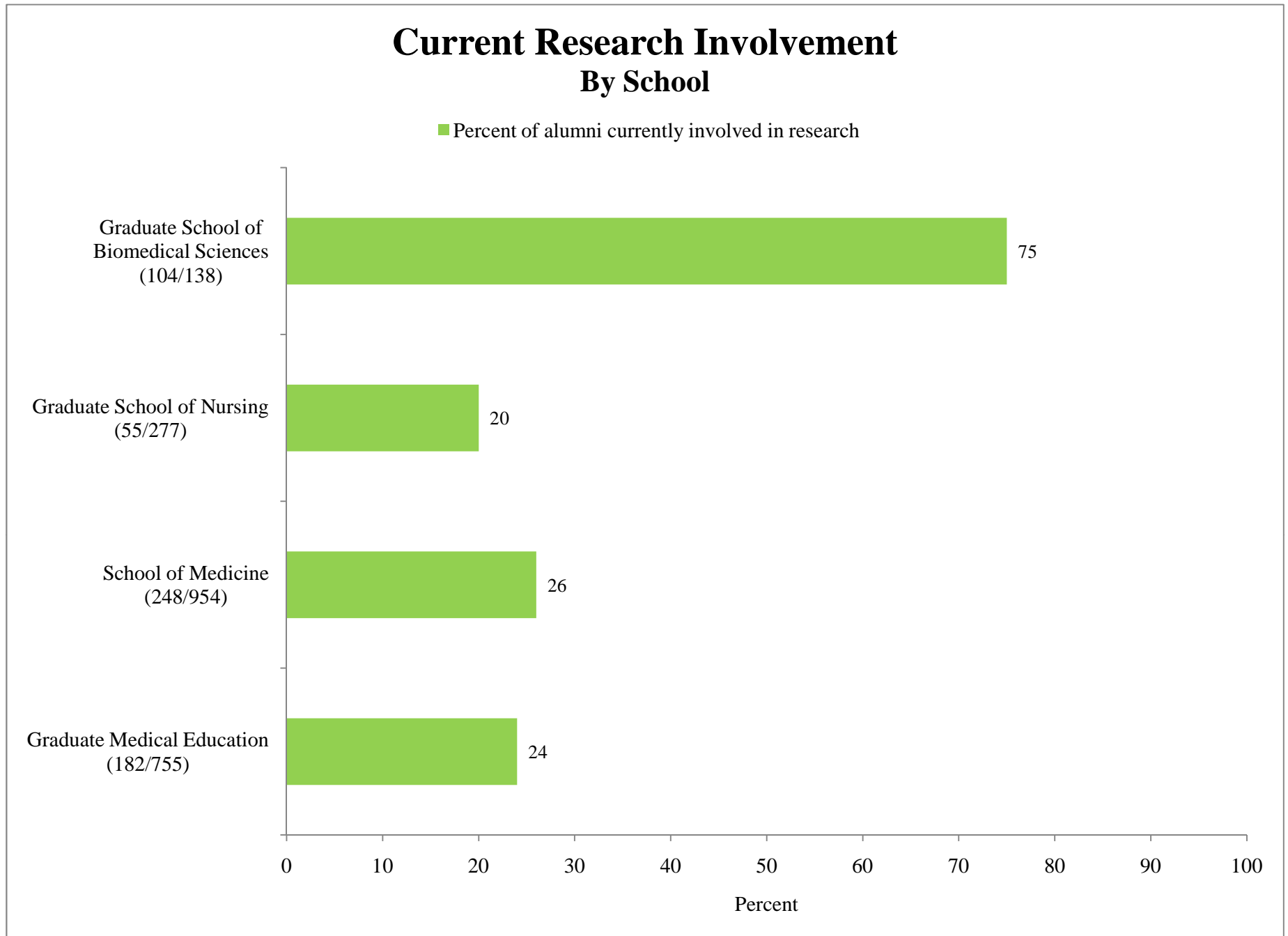


Figure 8



Respondents who graduated from SoM and GME are included in tables for both schools.
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