Characteristics of Participants by Leadership Role

| Characteristic | Total | No Leadership (NL) | Academic Director (AD) | Clinical Director (CD) | Program Director (PD) | $P$ value |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | \# (\%) | \# (\%) | \# (\%) | \# (\%) |  |
|  | 956 | 472 (49.4) | 95 (9.9) | 156 (16.3) | 233 (24.4) |  |
| Has a doctorate |  |  |  |  |  | <. 0001 |
| No | 771 (80.8) | 407 (52.8) | 76 (9.9) | 142 (18.4) | 146 (18.9) |  |
| Yes | 184 (19.3) | 65 (35.3) | 19 (10.3) | 13 (7.1) | 87 (47.3) |  |
| Gender |  |  |  |  |  | 0.0279 |
| Male | 270 (28.8) | 128 (47.4) | 23 (8.5) | 36 (13.3) | 83 (30.7) |  |
| Female | 667 (71.2) | 336 (50.4) | 69 (10.3) | 116 (17.4) | 146 (21.9) |  |
| Race/Ethnicity |  |  |  |  |  |  |
| White | 817 (85.5) | 405 (49.6) | 84 (10.3) | 131 (16.0) | 197 (24.3) |  |
| Asian | 19 (2.0) | 10 (52.6) | 1 ( 5.3) | 4 (21.1) | 4 (24.1) |  |
| African American | 38 (4.0) | 17 (44.7) | 6 (15.8) | 6 (15.8) | 9 (23.7) |  |
| Hispanic | 36 (3.8) | 17 (47.2) | 3 (8.3) | 7 (19.4) | 9 (25.0) |  |
| NHPI/AIAN | 8 (0.8) | 4 (50.0) | 0 (0.0) | 1 (12.5) | 3 (1.3) |  |
| Other or no answer | 38 (4.0) | 19 (50.0) | 1 (2.6) | 7 (18.4) | 11 (29.0) |  |
| URIM Status |  |  |  |  |  | 0.9523 |
| Non-URIM | 831 (91.0) | 413 (49.7) | 84 (10.1) | 134 (16.1) | 200 (24.1) |  |
| URIM | 82 (9.0) | 38 (46.3) | 9 (11.0) | 14 (17.1) | 21 (25.6) |  |
|  | Mean $\pm$ SD | Mean $\pm$ SD | Mean $\pm$ SD | Mean $\pm$ SD | Mean $\pm$ SD | $p$ value |
| Age | $45.6 \pm 10.2$ | $46.3 \pm 10.0$ | $43.8 \pm 9.8$ | $44.0 \pm 10.3$ | $50.1 \pm 9.5$ | <. 0001 |
| Years in PA Education | $2.9 \pm 1.4$ | $3.2 \pm 1.3$ | $2.5 \pm 1.3$ | $2.6 \pm 1.3$ | $3.9 \pm 1.1$ | <. 0001 |
| Years at Current Program | $2.5 \pm 1.3$ | $2.6 \pm 1.2$ | $2.2 \pm 1.3$ | $2.3 \pm 1.2$ | $3.1 \pm 1.2$ | <. 0001 |

Representation of racial/ethnic groups


## Results/Discussion

PDs had more doctoral degrees than ADs and CDs (ADs>CDs). Having a doctoral degree increased the odds of being a PD by 2.38. May be due to:

- Recent demand for doctoral trained PDs
- Peer pressure, desire to climb academic ladder
- Males and females are equally represented in leadership roles - URIM faculty are equally represented in leadership roles as nonURIM
URIM faculty are grossly underrepresented in PA education
- Due to disparities in URIM matriculation, few in pipeline Although fewer by proportion, URIM are more likely to have doctoral degrees than non-URIMs
- "Do twice as much phenomenon"

More time in PA education increased odds of being a PD or AD, but not CD

- "Home grown leaders"

Odds ratios for predictors of having leadership role

|  | Any leadership role (N=904) |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
|  | OR | pvalue | AOR | pvalue |
| Doctorate: yes vs no | $2.05[1.47-2.86]$ | $<.0001$ | $1.46[1.01-2.11]$ | 0.0421 |
| Yrs in PA education | $1.07[1.05-1.09]$ | $<.0001$ | $1.07[1.04-1.09]$ | $<.0001$ |
| Gender: female vs male | $0.89[0.67-1.18]$ | 0.4115 | $1.08[0.80-1.47]$ | 0.6158 |
| UR in Med vs Non-UR in Med | $1.14[0.73-1.80]$ | 0.5631 | $1.05[0.65-1.70]$ | 0.8492 |


|  | OR | pvalue | AOR | pvalue |
| :---: | :---: | :---: | :---: | :---: |
| Academic Director/Coordinator ( $\mathrm{N}=91$ ) |  |  |  |  |
| Doctorate: yes vs no | 1.57 [0.89-2.76] | 0.1224 | 1.23 [0.67-2.24] | 0.5037 |
| Yrs in PA education | 1.06 [1.03-1.10] | <. 0001 | 1.06 [1.03-1.09] | 0.0001 |
| Gender: female vs male | 1.14 [0.68-1.91] | 0.6116 | 1.24 [0.73-2.09] | 0.4247 |
| URIM vs Non-URIM | 1.16 [0.54-2.51] | 0.6968 | 1.06 [0.47-2.38] | 0.8848 |
| Clinical Director/Coordinator ( $\mathrm{N}=146$ ) |  |  |  |  |
| Doctorate: yes vs no | 0.57 [0.31-1.07] | 0.0821 | 0.56 [0.29-1.09] | 0.0874 |
| Yrs in PA education | 1.00 [0.97-1.03] | 0.9633 | 1.01 [0.98-1.04] | 0.5962 |
| Gender: female vs male | 1.23 [0.80-1.88] | 0.3468 | 1.32 [0.84-2.06] | 0.2294 |
| URIM vs Non-URIM | 1.14 [0.60-2.16] | 0.6994 | 1.04 [0.53-2.06] | 0.9111 |
| Program Director (PD) (N=219) |  |  |  |  |
| Doctorate: yes vs no | 3.73 [2.57-5.42] | <. 0001 | 2.38 [1.57-3.59] | <,0001 |
| Yrs in PA education | 1.11 [1.09-1.14] | <.0001 | 1.10 [1.07-1.12] | <,0001 |
| Gender: female vs male | 0.67 [0.48-0.94] | 0.0205 | 0.88 [0.61-1.29] | 0.5233 |
| URIM vs Non-URIM | 1.14 [0.65-2.00] | 0.6444 | 1.04 [0.56-1.92] | 0.9070 |



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Conclusion
PA academic leaders differ by doctoral degree attainment but not by gender and URIM status. URIM faculty are grossly underrepresented in the PA professorate, but disproportionately have doctoral degrees. Academic training opportunities for all PA academic leaders and strategies to increase URIM faculty are needed.
 of MARYLAND
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