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An Analysis of Turnover Among the Civil Service Components of the Department of Defense Acquisitions and Medical Workforces

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- Examine determinants of turnover behavior in two subsets of the DoD civilian workforce:
 - DoD civilian medical personnel
 - DoD civilian acquisitions workforce
- The medical component is undergoing a significant transformation as the Defense Health Agency implements its 4-year transition plan
 - This study helps provide a baseline for turnover prior to the changes to facilitate future evaluations of the reorganization
- Understanding turnover within the acquisitions workforce helps provide understanding of potential human capital vulnerabilities to the acquisition system

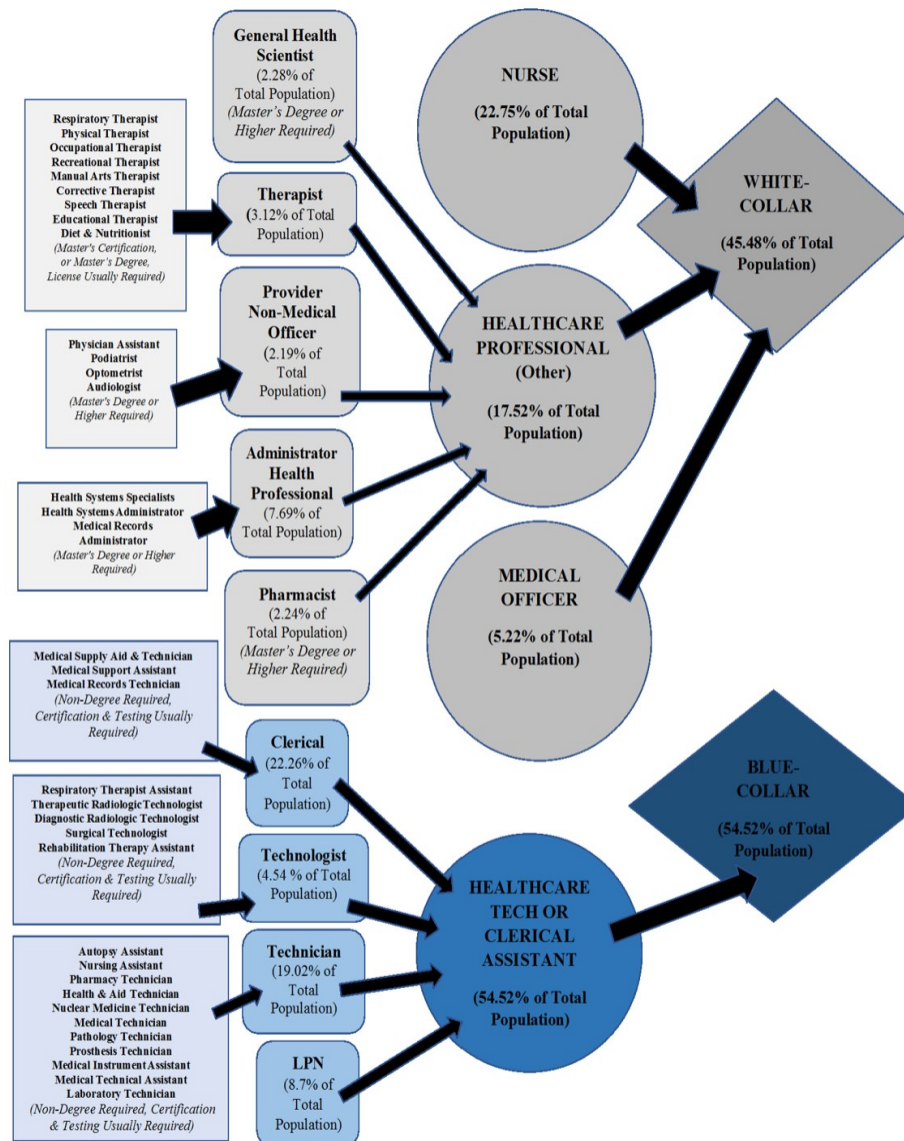


Actual Turnover vs. Turnover Intention

- A growing number of papers have questioned the empirical practice of using survey data of turnover intention to proxy for turnover behavior
 - Cho & Lewis (2012)
 - Jung (2010)
 - Cohen et al. (2015) test intention vs. validity at the agency level and find that turnover intention only describes approximately 4.2% of quit-rate variance. Also, they found that a given set of factors that explain 59% of actual turnover behavior only explain 12% of the variance in turnover intention
 - Researchers have struggled to be able to get IRB approved access to individual-level turnover behavior data



Blue Collar/White Collar Medical Distribution





Racial Distribution of Blue-Collar White-Collar

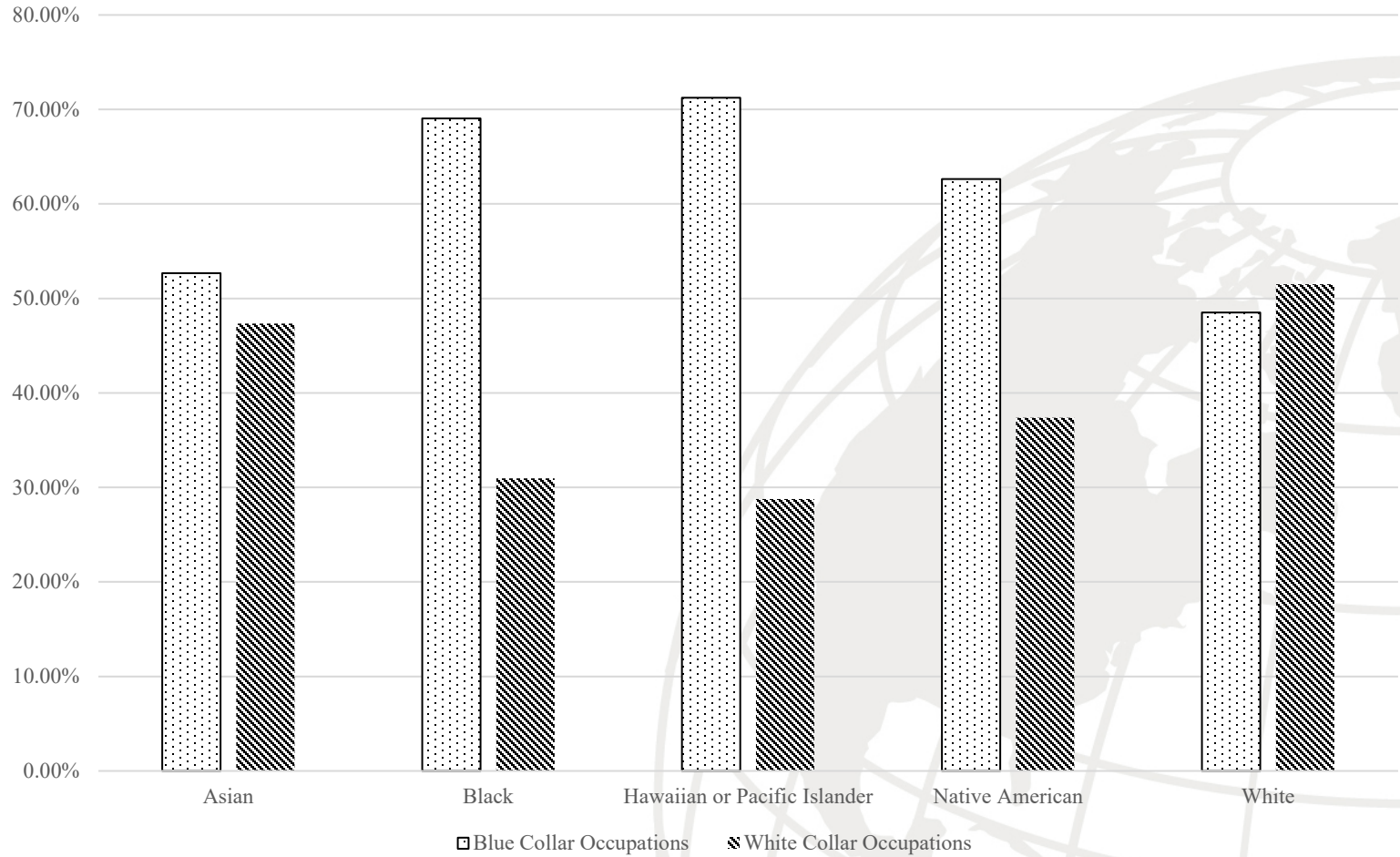


Figure 6. Racial Group Representation Across Occupation Type in the Medical Workforce



Table 5. Logistic Regression Results of Medical Workforce 2014 Attrition

Variables	Nonretirement	Retirement
	Eligible	Eligible
Sex	0.997 (0.024)	1.127 (0.157)
Years of Service	0.863*** (0.005)	1.168*** (0.050)
Year of Service^2	1.004*** (0)	0.997*** (0.001)
Age	0.710*** (0.007)	1.097 (0.103)
Age^2	1.003*** (0.000)	0.999 (0.001)
Graduate Education	0.894*** (0.026)	0.617** (0.100)
College Graduate	0.892*** (0.024)	0.716** (0.117)
Less Than High School	1.515 (0.446)	0.880 (0.973)
Medical Officer	1.226*** (0.067)	0.550*** (0.114)
Administrative Health Professional	0.873*** (0.035)	1.474* (0.348)
Nurse	1.033 (0.028)	1.161 (0.182)
Black	0.929*** (0.025)	0.638*** (0.097)
Asian	0.698*** (0.030)	1.258 (0.262)
Native American	0.908 (0.101)	0.843 (0.488)
Hawaii or Pacific Islander	0.740*** (0.078)	0.587 (0.368)
Constant	4,902.237*** (1334.304)	0.010* (0.025)
N	45,151	1,475
Pseudo R-Squared	0.049	0.089

All estimates have been converted to odds ratios.

Robust standard errors are in parentheses. WWW.NPS.EDU

*** p<0.01, ** p<0.05, * p<0.1



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