

Table 1. Distribution of NEJM first authors.

PubMed Extract	Total Authors N = 2,065	SP First Authors N = 1,816 (87.9%)	MP First Authors N = 249 (12.1%)	P-value*
Clinical trials	1,689 (81.8%)	1,451 (79.9%)	238 (95.6%)	< 0.0001
CVD-focused articles (limited)	382 (18.5%)	312 (17.2%)	70 (28.1%)	< 0.0001
Grant funded articles	891 (43.2%)	756 (41.6%)	135 (54.2%)	0.0002
Supplementary Web Extract	Total Authors	SP First Authors	MP First Authors	P-value
Author-Related Characteristics	N = 273	N = 24 (8.8%)	N = 249 (91.2%)	
Female gender	36 (13.2%)	2 (8.3%)	34 (13.7%)	0.554
North American-based location	183 (67.0%)	16 (66.7%)	167 (67.1%)	0.9681
Advanced doctoral degree				
Clinical-only doctoral degree(s)	206 (76.3%)	19 (86.4%)	187 (75.4%)	
Scientific-only doctoral degree(s)	13 (4.8%)	0 (0%)	13 (5.2%)	
Clinical + scientific doctoral degrees	51 (18.9%)	3 (13.6%)	48 (19.4%)	0.409
Self-identified major clinical specialty				
Medicine	199 (72.9%)	19 (79.2%)	180 (72.3%)	
Surgery	28 (10.3%)	2 (8.3%)	26 (10.4%)	
Other	46 (16.9%)	3 (12.5%)	43 (17.3%)	0.746
Massachusetts-based location	30 (11.0%)	1 (4.2%)	29 (11.7%)	0.491
Publication-Related Characteristics	N = 627	N = 24 (3.8%)	N = 603 (96.2%)	
At least 1 CVD MeSH term	179 (28.6%)	1 (4.2%)	178 (29.5%)	0.046
At least 1 neoplasm MeSH term	106 (16.9%)	6 (25.0%)	100 (16.6%)	0.351
At least 1 virus disease MeSH term	64 (10.2%)	2 (8.3%)	62 (10.3%)	0.691
At least 1 “Top Three” MeSH term (CVD, neoplasm, virus disease)	349 (55.7%)	9 (37.5%)	340 (56.4%)	0.126
Positive directionality of findings	461 (73.5%)	23 (95.8%)	438 (72.6%)	0.036
Overall directionality of findings				
Positive	461 (73.5%)	23 (95.8%)	438 (72.6%)	
Neutral	121 (19.3%)	0 (0%)	121 (20.1%)	
Negative	45 (7.2%)	1 (4.2%)	44 (7.3%)	0.015

*For the three variables under “PubMed Extract,” five “Author-related Characteristics” under “Supplementary Web Extract,” and “Overall Directionality of Findings,” *P*-value was based on Chi-square tests with *P*-value from Monte Carlo simulation; for the first five binary “Publication-related Characteristics,” *P*-value was based on generalized linear mixed model with authors as random effect. NEJM = *New England Journal of Medicine*; CVD = cardiovascular disease; MeSH = National Library of Medicine medical subject headings.