

Online-Only Supplements

eTable 1 - P-values in multivariable models for annual publications

	Association with number of annual publications		
	All	As first/last author	In high impact factor journals
Age			
<i>Linear effect</i>	<.0001	<.0001	<.0001
<i>Quadratic effect</i>	<.0001	<.0001	<.0001
<i>Spline on quadratic effect after 30 years</i>	0.0609	<.0001	0.0334
<i>Spline on quadratic effect after 35 years</i>	<.0001	<.0001	<.0001
<i>Spline on quadratic effect after 50 years</i>	0.0083	0.0513	0.0503
Birth cohort	<.0001	0.1066	<.0001
Academic position			
<i>Overall effect on full professor</i>	0.0096	0.0218	0.0163
<i>Linear effect of age on full professor</i>	<.0001	<.0001	<.0001
<i>Quadratic effect of age on full professor</i>	<.0001	<.0001	<.0001
Discipline			
<i>Overall effect on each discipline</i>	0.0335	0.0573	<.0001
<i>Linear effect of age on each discipline</i>	0.0115	0.0491	0.0088
Academic position and discipline			
<i>Effect of academic position on each discipline</i>	0.0099	0.0012	0.0268

Interpretation: Significance level of determinants included in the three multivariate models (for the three outcomes), for example, birth cohort is significantly associated with the total number of annual publication ($p < 0.0001$) but not with the number of annual publications as first/last author ($p = 0.1066$).