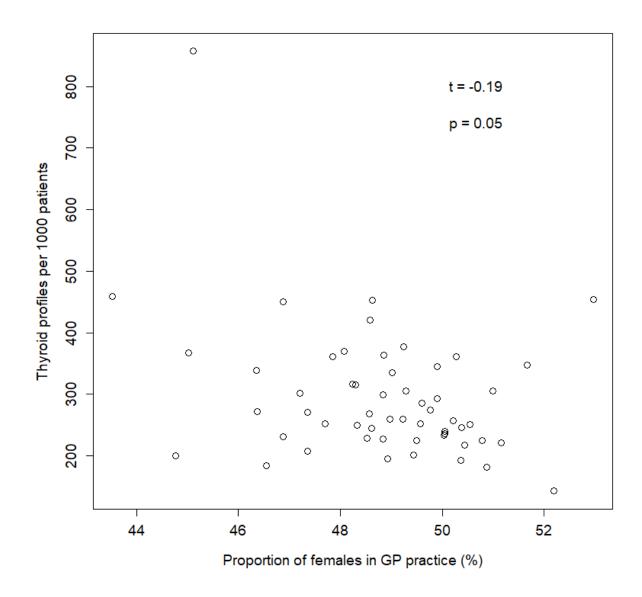
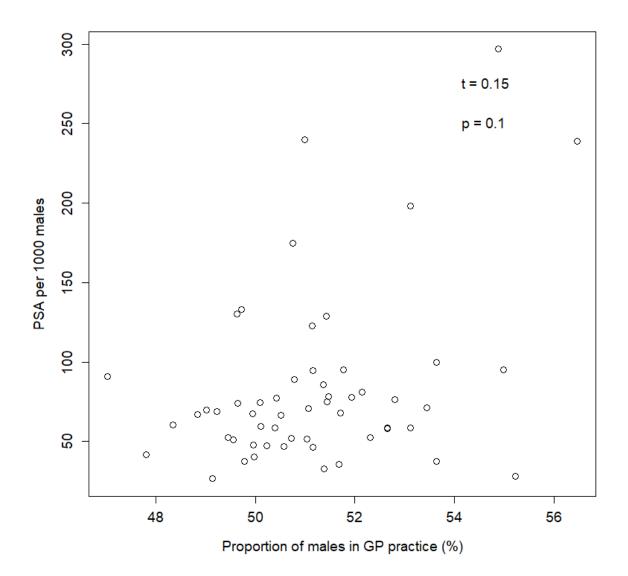
Supplementary Table S1. The relationship between test requesting rates and demographic characteristics of patient population. Kendall's correlation coefficient tau: τ . p-value associated with τ : $p_{Kendall}$. Bonferroni-corrected significance cut-off: $\alpha = p_{fwe}/n < 0.0125$ where $p_{fwe} < 0.05$ is the family wise error probability and n = 4 is the number of tested associations.

Age group	Electrolyte profiles	Lipid profiles	Thyroid profiles	Liver profiles
≥ 65 years old				
Τ	0.21	0.23	0.08	0.20
Ркеndall	0.04	0.02	0.4	0.05

Supplementary Figure S1. The relationship between the percentage of females in individual GP practices and requesting rates for thyroid profiles.





Supplementary Table S2. The relationship between test requesting rates and socioeconomic factors. Kendall's correlation coefficient tau: r; p-value associated with r: $p_{Kendall}$. Bonferroni-corrected significance cut-off: $\alpha = p_{fwe}/n < 0.003125$ where $p_{fwe} < 0.05$ is the family wise error probability and n = 16 is the number of tested associations.

	Electrolyte profiles	Lipid profiles	PSA	Thyroid profiles	HbA1c	Liver profiles	ACR	Immunoglobulins
Multiple Deprivation Measure								
Τ	0.034	0.116	0.180	0.119	0.012	0.083	-0.094	-0.167
P Kendall	0.7	0.2	0.05	0.2	0.9	0.4	0.3	0.08
Health Deprivation & Disability								
Τ	0.124	0.256	0.209	0.239	0.062	0.185	-0.021	-0.156
P Kendall	0.2	0.007	0.013	0.01	0.5	0.05	0.8	0.1