**Appendix Table A. Adjusted\* odds ratios for autoimmune/rheumatic disorders: results of two sensitivity analyses**

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| --- | --- | --- |
| NO BREAST CANCER HISTORY SBI reciepients in comparison to SBI-free women WITH NO BREAST CANCER HISTORY(N=95,847) | SBI reciepients in the definite category in comparison to SBI-free women (N=57,475) |  |
| ***p*- Value** | **95% CI** | **OR \*** | ***p*- Value** | **95% CI** | **OR \*** | Variable |
| <0.001 | 1.18-1.28 | 1.23 | < 0.001 | 1.16-1.29 | 1.22 | **Any auto-immune disease** |
| 0.298 | 0.83-1.86 | 1.24 | 0.259 | 0.32-1.36 | 0.66 | **Ankylosing spondylitis** |
| <0.001 | 1.29-1.46 | 1.37 | < 0.001 |  1.26-1.50 | 1.37 | **Fibromyalgia/ Chronic fatigue syndrome** |
| <0.001 | 1.08-1.29 | 1.18 |  0.060 |  0.99-1.28 |  1.13 | **Hyperthyroidism** |
| <0.001 | 1.05-1.17 | 1.11 |  0.011 | 1.02- 1.18 | 1.10 | **Hypothyroidism** |
| 0.007 | 1.10-1.83 | 1.42 | 0.005 |  1.16-2.32 | 1.64 | **Multiple sclerosis** |
| <0.001 | 1.06-1.22 | 1.14 | 0.003 | 1.05- 1.29 | 1.17 | **Psoriasis** |
| 0.235 | 0.87-1.72 | 1.23 | 0.424 | 0.75- 1.96 | 1.21 | **Psoriatic arthritis** |
| 0.034 | 1.01-1.40 | 1.19 | 0.350 | 0.89-1.41 | 1.12 | **Rheumatoid arthritis** |
| <0.001 | 1.59-2.91 | 2.15 |  0.002 |  1.27-2.99 | 1.95 | **Sarcoidosis** |
| <0.001 | 1.27-2.05 | 1.62 | 0.005 |  1.15-2.26 | 1.61 | **Sjögren’s syndrome** |
| 0.001 | 1.24-2.17 | 1.64 | 0.163 | 0.89-2.04 | 1.35 | **Systemic sclerosis (Scleroderma)** |
| 0.658 | 0.84-1.32 | 1.05 | 0.860 |  0.74-1.45 | 1.03 | **Systemic lupus erythematosus** |
| 0.261 | 0.82-2.11 | 1.31 | 0.769 | 0.42-1.88 | 0.89 | **Vasculitis\*\*** |
| **\***Adjusted for: age (cont.), socio-economic status (low, medium, high), smoking status (never smoked, current/past smoker) and breast cancer history (no, yes).Breast cancer history was not included in the model for women with no breast cancer history.\*\*Diagnosed with ≥1 of the followings: Takayasu disease, temporal arteritis, Wegener's granulomatosis, Churg-Strauss vasculitis, polyarteritis nodosa |