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| **Supplementary table 1. Sensitivity analysis of acute coronary syndrome in patients with DAS28 ≤3.2 at diagnosis and DAS28 >3.2 at diagnosis.** Hazard ratio (HR) and 95% confidence intervals (CI) for acute coronary syndrome adjusted for sex, residential area, year of diagnosis, age and educational level. Overall and stratified by calendar period of RA diagnosis and time since RA diagnosis. |
|  | **RA duration categories**HR (95% CI) |
| **Calendar period of RA diagnosis** | **<1 year** | **1-<5 years** | **5-10 years** | **>10 years** |
| **Total study periodDAS28 ≤3.2DAS28 >3.2** | 0.52 (0.20-1.32)1.21 (0.93-1.57) | 0.94 (0.60-1.49)1.46 (1.27-1.69) | 1.08 (0.53-2.18)1.59 (1.35-1.88) | 0.38 (0.11-1.31)1.38 (1.05-1.82) |
| **1997-2002 DAS28 ≤3.2DAS28 >3.2** | ---1.25 (0.79-2.00) | 0.68 (0.26-1.76)1.57 (1.25-1.95) | 0.46 (0.14-1.58)1.67 (1.34-2.09 ) | 0.29 (0.07-1.27)1.34 (1.00-1.78) |
| **2003-2006DAS28 ≤3.2DAS28 >3.2** | ---1.23 (0.70-2.14) | 0.84 (0.28-2.51)1.43 (1.09-1.88) | 4.61 (1.24-17.14)1.49 (1.13-1.97) | 1.40 (0.08-25.17)1.99 (0.80-4.96) |
| **2007-2010DAS28 ≤3.2DAS28 >3.2** | 1.28 (0.42-3.89)1.31 (0.78-2.18) | 1.17 (0.57-2.39 )1.39 (1.04-1.84) | 0.90 (0.17-4.66 )1.51 (0.87-2.64 ) | . (.-. )--- |
| **2011-2014DAS28 ≤3.2DAS28 >3.2** | 0.38 (0.05-2.90)1.02 (0.57-1.83) | 1.08 (0.36-3.26)1.31 (0.78-2.21) | . (.-. )--- | . (.-. )--- |

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| **Supplementary table 2. Sensitivity analysis of acute coronary syndrome in patients with rheumatoid factor (RF) positive and RF negative rheumatoid arthritis.** Hazard ratio (HR) and 95% confidence intervals (CI) for acute coronary syndrome adjusted for sex, residential area, year of diagnosis, age and educational level. Overall and stratified by calendar period of RA diagnosis and time since RA diagnosis. |
|  | **RA duration categories**HR (95% CI) |
| **Calendar period of RA diagnosis** | **<1 year** | **1-<5 years** | **5-10 years** | **>10 years** |
| **Total study periodRF positive RF negative** | 1.51 (1.14-2.01)0.63 (0.39-1.00) | 1.50 (1.27-1.77)1.34 (1.09-1.64) | 1.98 (1.63-2.40)1.07 (0.82-1.40) | 1.58 (1.16-2.16)0.90 (0.57-1.41) |
| **1997-2002 RF positive RF negative** | 1.36 (0.80-2.30)0.77 (0.35-1.72) | 1.58 (1.22-2.05)1.28 (0.90-1.82) | 1.82 (1.39-2.38)1.33 (0.95-1.85) | 1.57 (1.14-2.16)0.79 (0.48-1.30) |
| **2003-2006RF positive RF negative** | 1.74 (0.99-3.07)0.45 (0.14-1.47) | 1.48 (1.06-2.07)1.40 (0.96-2.04) | 2.05 (1.50-2.80)0.85 (0.53-1.39) | 1.76 (0.44-7.11)1.77 (0.60-5.21) |
| **2007-2010RF positive RF negative** | 1.93 (1.10-3.37)0.62 (0.28-1.40) | 1.43 (1.05-1.95)1.34 (0.90-1.98) | 2.59 (1.46-4.59)0.56 (0.21-1.49) | - |
| **2011-2014RF positive RF negative** | 1.19 (0.66-2.15)0.62 (0.22-1.78) | 1.45 (0.83-2.53)1.35 (0.66-2.76) | - | - |