**S3 Table:** Hazard ratio (HR) estimates (95% CI) for significant lab events associated with statin-dose combinations during the first 6 months therapy after recruitment, relative to low dose simvastatin. Only patients with a history of MI, CHD, CVD or PVD were included.

| **Outcome** | **N** |  | **Statin-dose combination** | **P** |
| --- | --- | --- | --- | --- |
| **Simvastatin10-20 mg**43798 | **Simvastatin40-80 mg**16804 | **Atorvastatin10-20 mg**24994 | **Atorvastatin40-80 mg**2069 |
| HepatotoxicityAll grades | 87665 | N (%)Unadj. HRAdj. HR | 103 (0.24%)1 (ref)1 (ref) | 68 (0.40%)1.8 (1.3, 2.4), P<0.0011.2 (0.8, 1.6), P=0.37 | 80 (0.32%)1.3 (1.0, 1.8), P=0.071.3 (1.0, 1.7), P=0.09 | 25 (1.21%)5.4 (3.5, 8.3), P<0.0013.3 (2.0, 5.3), P<0.001 | <0.001<0.001 |
| HepatotoxicityModerate to severe | 87665 | N (%)Unadj. HRAdj. HR | 29 (0.07%)1 (ref)1 (ref) | 18 (0.11%)1.7 (0.9, 3.0), P=0.091.2 (0.7, 2.3), P=0.49 | 16 (0.06%)0.9 (0.5, 1.7), P=0.810.9 (0.5, 1.7), P=0.74 | 12 (0.58%)9.2 (4.7, 18.0), P<0.0017.2 (3.3, 15.8), P<0.001 | <0.001<0.001 |

N = number