**Table S1** - Distribution of cases/deaths and hazard ratios for each new risk group category in the training set (n= 6026). Deaths refer to prostate cancer specific mortality.

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| **New risk group** | **Number of men (deaths)** | **Hazard Ratio (95% CI)** | **p value** |
|  |  |  |  |
| **1** | 1087 (23) | 1 | NA |
| **2** | 1201 (35) | 1.62 (0.96-2.75) | 0.07 |
| **3** | 971 (50) | 3.35 (2.04-5.49) | <0.0001 |
| **4** | 1815 (156) | 5.03 (3.25-7.80) | <0.0001 |
| **5** | 952 (198) | 17.28 (11.20-26.67) | <0.0001 |
|  |  |  |  |