S7 Text – Patients’ characteristics, including differences between the full set of variables, for the European and non-European cohort with respect to the three outcomes of interest (ICU and 30-day mortality and prediction of low-risk patients)

*Table A Patients’ characteristics for the European and non-European cohort with respect to 30-day mortality*

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| --- | --- | --- |
| **30-day mortality** | **European** | **Non-European** |
| **Variable** | **Alive** | **Dead** | **p-value** | **Alive** | **Dead** | **p-value** |
| **Patients** | 1568 | 1290 | - | 281 | 335 | - |
| **Age****(year)** | 74 [72,77] | 76 [73,79] | <0.001 | 75 [72,80] | 77 [73,83] | <0.001 |
| **Sex (Female)** | 452 (28.8) | 375 (29.1) | 0.919 | 114 (40.6) | 130 (38.8) | 0.717 |
| **Weight****(kg)** | 81 [72,91] | 80 [72,90] | 0.041 | 78 [69.8,90] | 78 [70,87] | 0.708 |
| **Height****(cm)** | 171 [165,178] | 170 [164,176] | 0.017 | 165 [159,170] | 166 [160,173] | 0.142 |
| **BMI** | 27.7 [24.8,30.9] | 27.5 [24.7,30.9] | 0.427 | 27.9 [25.0,33.2] | 28.3 [25.6,31.1] | 0.722 |
| **SOFA overall score** | 4 [3,7] | 6 [4,9] | <0.001 | 4 [2,5] | 7 [5,10] | <0.001 |
| **Presence of diabetes** | 481 (30.8) | 471 (36.7) | 0.001 | 149 (53.2) | 194 (58.4) | 0.225 |
| **Ischemic heart disease** | 299 (19.3) | 327 (25.6) | <0.001 | 77 (27.6) | 93 (28.6) | 0.852 |
| **Renal comorbidity** | 175 (11.2) | 273 (21.3) | <0.001 | 29 (10.4) | 80 (24.3) | <0.001 |
| **Arterial hypertension** | 1025 (65.6) | 861(66.9) | 0.483 | 172 (61.6) | 235 (71.0) | 0.019 |
| **Pulmonary disease** | 337 (21.5) | 305 (23.8) | 0.164 | 45 (16.1) | 61 (18.8) | 0.457 |
| **Congestive heart failure** | 178 (11.5) | 230 (18.1) | <0.001 | 32 (11.6) | 49 (14.9) | 0.286 |
| **Mechanical ventilation** | 1057 (67.4) | 1064 (82.5) | <0.001 | 69 (24.6) | 271 (80.9) | <0.001 |
| **Vasopressors** | 997 (63.6) | 1085 (84.1) | <0.001 | 37 (13.2) | 185 (55.2) | <0.001 |
| **Renal replacement therapy** | 180 (11.5) | 282 (21.9) | <0.001 | 17 (6.0) | 51 (15.2) | <0.001 |
| **Non-invasive ventilation** | 401 (25.6) | 344 (26.7) | 0.536 | 73 (26.0) | 157 (46.9) | <0.001 |
| **Tracheostomy** | 378 (24.1) | 161 (12.5) | <0.001 | 17 (6.0) | 10 (3.0) | 0.098 |
| **ICU LoS****(day)** | 15 [7,32] | 11 [6,17] | <0.001 | 6 [4,10] | 7 [4,10] | 0.767 |

*Table B Patients’ characteristics for the European and non-European cohort with respect to identifying low-risk patients*

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| --- | --- | --- |
| **Low-risk** | **European** | **non-European** |
| **Variable** | **Low risk** | **High risk (survivors)** | **High risk (non-survivors)**  | **p-value** | **Low risk** | **Alive** | **Dead** | **p-value** |
| **Patients** | 371 | 1203 | 1284 | - | 157 | 127 | 332 | - |
| **Age****(year)** | 75 [72.5,79] | 74 [72,77] | 75 [72,79] | <0.001 | 76 [73,80] | 75 [72,80] | 77 [73,83] | 0.006 |
| **Sex (Female)** | 116 (31.3) | 361 (30.0) | 350 (27.3) | 0.182 | 65 (41.4) | 50 (39.4) | 129 (38.9) | 0.864 |
| **Weight****(kg)** | 80 [70,90] | 81 [72,91] | 80 [72,90] | 0.016 | 80 [67,95.5] | 77 [70,85] | 78 [70,87] | 0.424 |
| **Height****(cm)** | 170 [164,176] | 170 [165,178] | 170 [165,177] | 0.087 | 160 [154,166] | 167 [160,172] | 166 [160,173] | <0.001 |
| **BMI** | 27.1 [24.2,30.5] | 27.7 [25,31] | 27.5 [24.7,30.8] | 0.1 | 31.2 [25.6,38] | 27.4 [24.8,30.5] | 28.3 [25.6,31.1] | 0.003 |
| **SOFA overall score** | 3 [2,4] | 5 [3,8] | 6 [4,9] | <0.001 | 3 [2,4] | 5 [3,8] | 7 [5,10] | <0.001 |
| **Presence of diabetes** | 113 (30.6) | 377 (31.4) | 462 (36.2) | 0.02 | 87 (55.4) | 69 (54.8) | 187 (56.8) | 0.908 |
| **Ischemic heart disease** | 90 (24.3) | 228 (19.2) | 308 (24.3) | 0.005 | 39 (24.8) | 39 (31.2) | 92 (28.6) | 0.484 |
| **Renal comorbidity** | 51 (13.8) | 142 (11.8) | 255 (20.0) | <0.001 | 5 (3.2) | 24 (19.2) | 80 (24.5) | <0.001 |
| **Arterial hypertension** | 248 (67.2) | 781 (65.1) | 857 (66.9) | 0.572 | 87 (55.4) | 87 (69.0) | 233 (71.3) | 0.002 |
| **Pulmonary disease** | 83 (22.4) | 258 (21.5) | 301 (23.6) | 0.442 | 21 (13.4) | 26 (20.6) | 59 (18.4) | 0.238 |
| **Congestive heart failure** | 54 (14.7) | 149 (12.5) | 205 (16.2) | 0.032 | 14 (9.0) | 19 (15.3) | 48 (14.8) | 0.169 |
| **ICU LoS****(day)** | 5 [2,7.5] | 16 [8,31] | 14 [7,22] | <0.001 | 5 [3,9] | 8 [4.5,15] | 7 [4,11] | <0.001 |