| Characteristic | Overall, N = 11,3041 | FALSE, N = 10,0281 | TRUE, N = 1,2761 | p-value2 |
| --- | --- | --- | --- | --- |
| Sex |  |  |  | 0.4 |
| F | 6,383 (56%) | 5,677 (57%) | 706 (55%) |  |
| M | 4,921 (44%) | 4,351 (43%) | 570 (45%) |  |
| Age | 67 (53, 77) | 66 (53, 77) | 71 (59, 81) | <0.001 |
| Admission modality |  |  |  | <0.001 |
| Scheduled | 2,501 (22%) | 2,339 (23%) | 162 (13%) |  |
| Scheduled with preospedalization | 894 (7.9%) | 888 (8.9%) | 6 (0.5%) |  |
| Urgent | 7,909 (70%) | 6,801 (68%) | 1,108 (87%) |  |
| Days of stay | 6 (3, 11) | 5 (2, 9) | 24 (14, 39) | <0.001 |
| Medical-Surgical |  |  |  | <0.001 |
| Medical | 5,621 (50%) | 4,874 (49%) | 747 (59%) |  |
| Surgical | 5,683 (50%) | 5,154 (51%) | 529 (41%) |  |
| Died | 605 (5.4%) | 352 (3.5%) | 253 (20%) | <0.001 |
| Education level |  |  |  |  |
| No title | 0 (0%) | 0 (0%) | 0 (0%) |  |
| Primary school | 1,491 (13%) | 1,308 (13%) | 183 (14%) |  |
| Diploma | 7,403 (65%) | 6,493 (65%) | 910 (71%) |  |
| University degree or higher | 2,410 (21%) | 2,227 (22%) | 183 (14%) |  |
| Employed-Unemployed-Retired |  |  |  | <0.001 |
| Employed/Student/Housewife | 4,358 (39%) | 3,984 (40%) | 374 (29%) |  |
| Retired/Disable | 6,512 (58%) | 5,662 (56%) | 850 (67%) |  |
| Unemployed | 434 (3.8%) | 382 (3.8%) | 52 (4.1%) |  |
| Department |  |  |  | <0.001 |
| UOC Cardiochirurgia | 356 (3.1%) | 286 (2.9%) | 70 (5.5%) |  |
| UOC Cardiologia | 1,237 (11%) | 1,220 (12%) | 17 (1.3%) |  |
| UOC Chirurgia | 1,498 (13%) | 1,376 (14%) | 122 (9.6%) |  |
| UOC Chirurgia Toracica | 245 (2.2%) | 236 (2.4%) | 9 (0.7%) |  |
| UOC Chirurgia Vascolare | 254 (2.2%) | 244 (2.4%) | 10 (0.8%) |  |
| UOC Endocrinologia e Diabetologia | 199 (1.8%) | 114 (1.1%) | 85 (6.7%) |  |
| UOC Gastroenterologia | 740 (6.5%) | 674 (6.7%) | 66 (5.2%) |  |
| UOC Malattie apparato respiratorio | 323 (2.9%) | 251 (2.5%) | 72 (5.6%) |  |
| UOC Malattie Infettive | 202 (1.8%) | 149 (1.5%) | 53 (4.2%) |  |
| UOC Medicina interna | 838 (7.4%) | 631 (6.3%) | 207 (16%) |  |
| UOC Neurochirugia | 411 (3.6%) | 375 (3.7%) | 36 (2.8%) |  |
| UOC Neurologia | 1,568 (14%) | 1,455 (15%) | 113 (8.9%) |  |
| UOC Ortopedia | 1,122 (9.9%) | 1,098 (11%) | 24 (1.9%) |  |
| UOC Psichiatria e Psicologia Clinica | 275 (2.4%) | 267 (2.7%) | 8 (0.6%) |  |
| UOC Urologia | 364 (3.2%) | 338 (3.4%) | 26 (2.0%) |  |
| UOS UTIC | 690 (6.1%) | 672 (6.7%) | 18 (1.4%) |  |
| UOSD OBI e Medicina d'urgenza | 518 (4.6%) | 343 (3.4%) | 175 (14%) |  |
| UOSD Oncologia | 136 (1.2%) | 127 (1.3%) | 9 (0.7%) |  |
| UOSD Patologie linfoproliferative | 216 (1.9%) | 108 (1.1%) | 108 (8.5%) |  |
| UOSD Terapia Intensiva | 112 (1.0%) | 64 (0.6%) | 48 (3.8%) |  |
| Primary diagnosis |  |  |  | <0.001 |
| Congenital anomalies | 88 (0.8%) | 86 (0.9%) | 2 (0.2%) |  |
| Diseases of the blood | 62 (0.5%) | 53 (0.5%) | 9 (0.7%) |  |
| Diseases of the circulatory system | 3,560 (31%) | 3,256 (32%) | 304 (24%) |  |
| Diseases of the digestive system | 1,118 (9.9%) | 1,014 (10%) | 104 (8.2%) |  |
| Diseases of the genitourinary system | 444 (3.9%) | 384 (3.8%) | 60 (4.7%) |  |
| Diseases of the musculoskeletal system | 479 (4.2%) | 460 (4.6%) | 19 (1.5%) |  |
| Diseases of the nervous system | 473 (4.2%) | 442 (4.4%) | 31 (2.4%) |  |
| Diseases of the respiratory system | 844 (7.5%) | 635 (6.3%) | 209 (16%) |  |
| Diseases of the skin | 49 (0.4%) | 29 (0.3%) | 20 (1.6%) |  |
| Endocrine, nutritional and metabolic diseases, and immunity disorders | 388 (3.4%) | 313 (3.1%) | 75 (5.9%) |  |
| Infectious and parasitic diseases | 191 (1.7%) | 116 (1.2%) | 75 (5.9%) |  |
| Injury and poisoning | 1,188 (11%) | 1,078 (11%) | 110 (8.6%) |  |
| Mental disorders | 358 (3.2%) | 343 (3.4%) | 15 (1.2%) |  |
| Neoplasms | 1,338 (12%) | 1,146 (11%) | 192 (15%) |  |
| Supplemental classification | 342 (3.0%) | 329 (3.3%) | 13 (1.0%) |  |
| Symptoms, signs, and ill-defined conditions | 382 (3.4%) | 344 (3.4%) | 38 (3.0%) |  |
| Invasive procedure |  |  |  | <0.001 |
| FALSE | 10,517 (93%) | 9,550 (95%) | 967 (76%) |  |
| TRUE | 787 (7.0%) | 478 (4.8%) | 309 (24%) |  |
| Real reimbursement | 3,891 (2,354, 8,067) | 3,891 (2,142, 7,144) | 6,536 (3,802, 15,004) | <0.001 |
| sangue | 472 (4.2%) | 0 (0%) | 472 (37%) | <0.001 |
| urinario | 648 (5.7%) | 0 (0%) | 648 (51%) | <0.001 |
| respiratorio | 297 (2.6%) | 0 (0%) | 297 (23%) | <0.001 |
| ferita | 203 (1.8%) | 0 (0%) | 203 (16%) | <0.001 |
| acinetobacter | 112 (1.0%) | 0 (0%) | 112 (8.8%) | <0.001 |
| klebsiella\_pnm | 216 (1.9%) | 0 (0%) | 216 (17%) | <0.001 |
| clostridium | 35 (0.3%) | 0 (0%) | 35 (2.7%) | <0.001 |
| enterococcus | 473 (4.2%) | 0 (0%) | 473 (37%) | <0.001 |
| escherichia\_coli | 276 (2.4%) | 0 (0%) | 276 (22%) | <0.001 |
| pseudomonas | 170 (1.5%) | 0 (0%) | 170 (13%) | <0.001 |
| candida | 443 (3.9%) | 0 (0%) | 443 (35%) | <0.001 |
| staphylococcus | 509 (4.5%) | 0 (0%) | 509 (40%) | <0.001 |
| Infections number |  |  |  |  |
| 0 | 10,088 (89%) | 10,028 (100%) | 60 (4.7%) |  |
| 1 | 621 (5.5%) | 0 (0%) | 621 (49%) |  |
| 2 | 338 (3.0%) | 0 (0%) | 338 (26%) |  |
| 3 | 139 (1.2%) | 0 (0%) | 139 (11%) |  |
| 4 | 82 (0.7%) | 0 (0%) | 82 (6.4%) |  |
| 5 | 26 (0.2%) | 0 (0%) | 26 (2.0%) |  |
| 6 | 8 (<0.1%) | 0 (0%) | 8 (0.6%) |  |
| 7 | 2 (<0.1%) | 0 (0%) | 2 (0.2%) |  |
| Log Real Reimbursement | 8.27 (7.76, 9.00) | 8.27 (7.67, 8.87) | 8.79 (8.24, 9.62) | <0.001 |
| 1n (%); Median (IQR) | | | | |
| 2Pearson's Chi-squared test; Wilcoxon rank sum test; Fisher's exact test | | | | |