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| **Appendix 3.** New developed chronic conditions within the ICU population and the control subgroups during 2014 |  |
|  | ICU population(n=49,004) | Hospital population(n=44,017)  | *p*-value\* | Non-hospital population(n=27,871) | *p*-value‡ |
| Population with one or more new chronic conditions | 6,222 (12.7%) | 2,786 (6.3%) | <0.0001 | 869 (3.1%) | <0.0001 |
| Chronic conditions |  |  |  |  |  |
| High cholesterol | 2,638 (5.4%) | 1,031 (2.3%) | <0.0001 | 391 (1.4%) | <0.0001 |
| Heart diseases | 2,102 (4.3%) | 659 (1.5%) | <0.0001 | 92 (0.3%) | <0.0001 |
| COPD | 841 (1.7%) | 306 (0.7%) | <0.0001 | 63 (0.2%) | <0.0001 |
| DM 2  | 610 (1.2%) | 316 (0.7%) | <0.0001 | 110 (0.4%) | <0.0001 |
| DM 1 | 433 (0.9%) | 143 (0.3%) | <0.0001 | 22 (0.1%) | <0.0001 |
| Depression | 747 (1.5%) | 274 (0.6%) | <0.0001 | 123 (0.4%) | <0.0001 |
| Asthma | 585 (1.2%) | 371 (0.8%) | <0.0001 | 115 (0.4%) | <0.0001 |
| Thyroid diseases | 312 (0.6%) | 141 (0.3%) | <0.0001 | 45 (0.2%) | <0.0001 |
| Glaucoma | 153 (0.3%) | 189 (0.4%) | 0.0018 | 23 (0.1%) | <0.0001 |
| Neuropathic pains | 324 (0.7%) | 71 (0.2%) | <0.0001 | 6 (0.0%) | <0.0001 |
| Psychoses, Alzheimer’s disease and addictions | 284 (0.6%) | 116 (0.3%) | <0.0001 | 28 (0.1%) | <0.0001 |
| Epilepsy | 434 (0.9%) | 45 (0.1%) | <0.0001 | 10 (0.0%) | <0.0001 |
| Rheumatism | 102 (0.2%) | 94 (0.2%) | 0.8466 | 10 (0.0%) | <0.0001 |
| Hormone sensitive tumours | 122 (0.2%) | 116 (0.3%) | 0.6351 | 13 (0.0%) | <0.0001 |
| Kidney diseases | 239 (0.5%) | 48 (0.1%) | <0.0001 | 2 (0.0%) | <0.0001 |
| Transplantations | 211 (0.4%) | 16 (0.0%) | <0.0001 | 0 (0.0%) | <0.0001 |
| Crohn’s disease  | 46 (0.1%) | 26 (0.1%) | 0.0566 | 6 (0.0%) | 0.0002 |
| Parkinson’s disease  | 46 (0.1%) | 52 (0.1%) | 0.2483 | 3 (0.0%) | <0.0001 |
| Diseases of the central neurological system | 71 (0.1%) | 8 (0.0%) | <0.0001 | 1 (0.0%) | <0.0001 |
| Cystic fibrosis / pancreas enzymes | 136 (0.3%) | 12 (0.0%) | <0.0001 | 1 (0.0%) | <0.0001 |
| HIV | 39 (0.1%) | 5 (0.0%) | <0.0001 | 0 (0.0%) | <0.0001 |
| \* *p*-value given for differences in prevalence between ICU population and hospital population ‡ *p*-value given for differences in prevalence between ICU population and Non-hospital population |