Supplemental Material 2. DALY rates per 100,000 population by gender and level 3 and 4 disease groups in South Korea, 2018.1

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| --- | --- | --- | --- | --- | --- | --- |
| **Rank** | **Total** | **DALY rate2** | **Men** | **DALY rate2** | **Women** | **DALY rate2** |
| 1 | Diabetes mellitus | 2,046 | Diabetes mellitus | 2,451 | Low back pain | 1,777 |
| 2 | Low back pain | 1,484 | Ischemic heart disease | 1,512 | Diabetes mellitus | 1,644 |
| 3 | Chronic lower respiratory diseases (excluding Asthma) | 1,273 | Cirrhosis of the liver | 1,253 | Osteoarthritis | 1,480 |
| 4 | Ischemic heart disease | 1,182 | Chronic lower respiratory diseases (excluding Asthma) | 1,203 | Chronic lower respiratory diseases (excluding Asthma) | 1,343 |
| 5 | Osteoarthritis | 1,016 | Low back pain | 1,189 | Alzheimer’s disease and other dementias | 1,014 |
| 6 | Ischemic stroke | 977 | Ischemic stroke | 1,049 | Major depressive disorders | 947 |
| 7 | Cirrhosis of the liver | 947 | Falls | 827 | Ischemic stroke | 906 |
| 8 | Falls | 770 | Benign prostatic hyperplasia | 723 | Ischemic heart disease | 855 |
| 9 | Alzheimer’s disease and other dementias | 731 | Self-harm | 697 | Falls | 714 |
| 10 | Major depressive disorders | 716 | Periodontal disease | 651 | Cirrhosis of the liver | 645 |
| 11 | Periodontal disease | 605 | Osteoarthritis | 548 | Periodontal disease | 560 |
| 12 | Self-harm | 515 | Motorized vehicle with three or more wheels | 523 | Tubulointerstitial nephritis, pyelonephritis, and urinary tract infections | 504 |
| 13 | Motorized vehicle with three or more wheels | 473 | Major depressive disorders | 483 | Breast cancer | 474 |
| 14 | Asthma | 395 | Trachea, bronchus and lung cancers | 482 | Asthma | 433 |
| 15 | Hemorrhagic and other non-ischemic stroke | 362 | Alzheimer’s disease and other dementias | 446 | Motorized vehicle with three or more wheels | 423 |
| 16 | Benign prostatic hyperplasia | 360 | Liver cancer | 426 | Gastroesophageal reflux disease | 403 |
| 17 | Trachea, bronchus and lung cancers | 349 | Hemorrhagic and other non-ischemic stroke | 407 | Gastritis and duodenitis | 372 |
| 18 | Gastroesophageal reflux disease | 342 | Stomach cancer | 381 | Phobic anxiety disorders et al. | 340 |
| 19 | Tubulointerstitial nephritis, pyelonephritis, and urinary tract infections | 333 | Asthma | 356 | Self-harm | 335 |
| 20 | Schizophrenia | 331 | Colon and rectum cancers | 328 | Schizophrenia | 333 |
| 21 | Gastritis and duodenitis | 298 | Schizophrenia | 328 | Hemorrhagic and other non-ischemic stroke | 318 |
| 22 | Stomach cancer | 289 | Gout | 315 | Varicose veins of lower extremities | 312 |
| 23 | Phobic anxiety disorders et al. | 283 | Overexertion and strenuous movements | 301 | Abortion | 296 |
| 24 | Colon and rectum cancers | 277 | Gastroesophageal reflux disease | 281 | Vision loss | 262 |
| 25 | Liver cancer | 277 | Chronic kidney disease due to diabetes mellitus | 253 | Dental caries | 252 |
| 26 | Vision loss | 253 | Abscess, impetigo, and other bacterial skin diseases | 253 | Abscess, impetigo, and other bacterial skin diseases | 251 |
| 27 | Abscess, impetigo, and other bacterial skin diseases | 252 | Glaucoma | 245 | Glaucoma | 245 |
| 28 | Glaucoma | 245 | Vision loss | 244 | Hypertensive heart disease | 231 |
| 29 | Dental caries | 241 | Viral skin diseases | 232 | Colon and rectum cancers | 226 |
| 30 | Breast cancer | 241 | Dental caries | 230 | Cataracts | 226 |

1Values are presented as a number.

2DALY rate per 100,000 population.

DALY, disability-adjusted life year