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