**Supplementary Table 6.** Average per patient annual direct medical costs for obesity-related comorbidities/complications and malignancies [9,11,20,21,32,36,39]

|  |  |  |
| --- | --- | --- |
|  | **Average annual direct medical cost (PPP)** | |
| **Incident case** | **Prevalent case** |
| **Cardiovascular diseases** | | |
| Ischemic heart disease | 5,098.1 | 684.8 |
| Hypertension | 456.8 | |
| Cerebrovascular disease | 3,073.0 | 574.8 |
| **Endocrine- Metabolic Diseases** | | |
| Type 2 diabetes | 743.0 | 2,160.1 |
| Hyperlipidemia |  | 151.8 |
| **Gastrointestinal Diseases** | | |
| GERD | 450.6 | 380.6 |
| Gall bladder diseases | 831.1 |  |
| MAFLD | 293.5 |  |
| **Musculoskeletal System Disorders** | | |
| Chronic low back pain | 229.3 |  |
| Osteoarthritis | 1,507.6 |  |
| **Pulmonary System Diseases** | | |
| OSAS | 1,368.8 | 533.5 |
| Asthma | 1,394.2 | 1,025.0 |
| COPD | 1,311.9 | 928.7 |
| Pneumonia | 444.6 |  |
| Pulmonary embolus | 1,691.9 |  |
| **Psychiatric disorders** | | |
| Depressive disorder | 467.2 |  |
| **Malignancies** | | |
| Esophageal cancer | 5,809.3 | 455.4 |
| Gastric cardia cancer | 10,227.3 | 759.5 |
| Colorectal cancer | 6,608.3 | 396.3 |
| Liver cancer | 21,614.2 | 2,246.5 |
| Gall bladder cancer | 5,879.2 | 214.1 |
| Pancreas cancer | 12,658.7 | 2,212.3 |
| Post-menopausal breast cancer | 8,359.7 | 986.1 |
| Endometrial cancer | 4,460.7 | 477.5 |
| Ovarian cancer | 11,801.5 | 3,471.5 |
| Prostate cancer | 12,216.9 | 6,729.0 |
| Renal cancer | 10,987.9 | 276.2 |
| Non-Hodgkin lymphoma | 17,717.6 | 3,617.9 |
| Multiple myeloma | 27,636.0 | 1,307.8 |
| Acute leukemia | 38,563.0 | 1,399.2 |
| Thyroid cancer | 2,472.9 | 152.4 |
| PPP: Purchasing power parity, GERD: Gastroesophageal reflux disease; MAFLD: Metabolic dysfunction associated fatty liver disease; OSAS: Obstructive sleep apnea syndrome; COPD: Chronic obstructive pulmonary disease | | |