**Appendix 1.** ExpectedRisk of Death in 1-year for Each HOMR Score

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **HOMR Score** | **PROBABILITY OF DEATH (95% Predictive Interval)** |  | **HOMR Score** | **PROBABILITY OF DEATH (95% Predictive Interval)** |
| <21 | 0.2% ( 0.2, 0.2) |  | 38 | 27.1% (26.7, 27.4) |
| 21 | 1.0% ( 1.0, 1.1) |  | 39 | 32.4% (32.0, 32.7) |
| 22 | 1.2% ( 1.1, 1.2) |  | 40 | 37.2% (36.8, 37.6) |
| 23 | 1.4% ( 1.4, 1.5) |  | 41 | 42.8% (42.3, 43.2) |
| 24 | 1.7% ( 1.6, 1.8) |  | 42 | 46.2% (45.7, 46.7) |
| 25 | 2.2% ( 2.1, 2.3) |  | 43 | 50.7% (50.2, 51.3) |
| 26 | 2.7% ( 2.6, 2.8) |  | 44 | 53.0% (52.4, 53.6) |
| 27 | 3.3% ( 3.2, 3.4) |  | 45 | 57.9% (57.3, 58.6) |
| 28 | 4.2% ( 4.0, 4.3) |  | 46 | 63.3% (62.5, 64.0) |
| 29 | 4.9% ( 4.8, 5.1) |  | 47 | 69.7% (68.9, 70.6) |
| 30 | 6.3% ( 6.1, 6.5) |  | 48 | 74.3% (73.3, 75.3) |
| 31 | 7.7% ( 7.5, 7.9) |  | 49 | 78.4% (77.2, 79.5) |
| 32 | 9.4% ( 9.2, 9.6) |  | 50 | 80.6% (79.3, 81.8) |
| 33 | 11.4% (11.2, 11.6) |  | 51 | 82.4% (80.9, 83.8) |
| 34 | 13.6% (13.4, 13.9) |  | 52 | 86.3% (84.6, 87.8) |
| 35 | 16.1% (15.8, 16.4) |  | 53 | 89.3% (87.4, 90.9) |
| 36 | 19.9% (19.6, 20.2) |  | 54 | 91.1% (89.0, 92.8) |
| 37 | 23.2% (22.9, 23.5) |  | 55 | 90.3% (87.9, 92.2) |
|  |  |  | >55 | 96.9% (96.4, 97.3) |

For each HOMR score, the expected probability and predictive interval was calculated using a random effects model in the validation study.3 Note that the table presents the predictive (not the confidence) interval for each HOMR score.

**Appendix 2.** Diagnostic Risk Scores. The diagnostic codes for each admission diagnosis assigned extra points in the HOMR score are presented. All other diagnoses are assigned a Diagnostic Risk Score of 0.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Diagnosis** | **Points** | **Diagnosis** | **Points** | **Diagnosis** | **Points** |
| Cardiac arrest | 12 | Pleural effusion | 3 | Lower leg fracture | -7 |
| Anoxic injury and other cerebral disorders | 11 | Head injury and consequences | 3 | Cholelithiasis | -8 |
| Brain cancer | 9 | Oncological treatment and aftercare | 2 | Angina | -9 |
| Adult respiratory distress syndrome | 9 | Hip or femoral fracture | 1 | Intervertebral disc disorder | -9 |
| Pancreatic cancer | 8 | Acute myocardial infarction | -1 | Syncope | -9 |
| Shock | 8 | Unspecified dementia | -3 | Spondylopathy | -10 |
| Esophageal cancer | 7 | Delirium | -3 | Hypertension | -11 |
| Gastric cancer | 7 | Atrial fibrillation or flutter | -3 | Osteoarthritis of the knee | -11 |
| Myeloid leukemias | 7 | Chronic obstructive pulmonary disease | -3 | Acute appendicitis | -12 |
| Acute endocarditis | 7 | Lumbar or pelvic fracture | -3 | Neck or Chest pain | -12 |
| Diffuse parenchymal lung disease | 7 | Convalescence | -3 | Cerebral ischemia | -13 |
| Liver cancer | 6 | Breast cancer | -4 | Dizziness | -13 |
| Intestinal lesions | 6 | Type .2 diabetes mellitus | -4 | Asthma | -15 |
| Alcoholic liver disease | 6 | Cellulitis | -4 | Vertigo | -16 |
| Bronchogenic carcinoma | 5 | Abdominal pain | -4 | Female genital prolapse | -20 |
| Non-hodgkins lymphoma | 5 | Diarrhea, presumed infectious | -5 | Thyroid cancer | -21 |
| Intracerebral hemorrhage | 5 | Prostate cancer | -5 | Cerebral artery occlusion or stenosis | -22 |
| Aspiration pneumonitis | 5 | Conduction abnormalities | -5 |
| Respiratory faillure | 5 | Diverticular disease | -5 |
| Biliary tract disease | 5 | Rehabilitation | -5 |
| Ascites | 5 | Tachycardia | -6 |
| Septicemia | 4 | Osteoarthritis of the hip | -6 |
| Metastatic cancer | 4 | DM.1  | -7 |
| Metastatic cancer | 4 | Coronary heart disease | -7 |
| Hepatic failure | 4 | Inguinal Hernia | -7 |
| Cirrhosis | 4 | Abnormalities of heart beat | -7 |
| Bladder cancer | 3 | Signs of neurological/MSK system | -7 |