**Supplemental digital content 1. Number of years retrospectively screened to identify health conditions by source of data, the Healthcare Expenditures and Conditions Mapping**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **health conditions** | **long term disease diagnosis** | **specific drugs** | **short stay hospital discharge** | | | |  | **psychiatry hospital discharge** | |  | **rehabilitation care hospital discharge** | | |  | **others** |
| **main diagnosis** | **related diagnosis** | **main diagnosis of medical unit summary** | **associated diagnosis** |  | **main diagnosis** | **associated diagnosis** |  | **main morbid manifestation** | **etiological condition** | **associated diagnosis** |  |
| Acute coronary syndrome | - | - | - | - | 1 | - |  | - | - |  | - | - | - |  | - |
| Chronic coronary disease without acute event | 1 | - | - | 5 | 5 | 1 |  | - | - |  | 1 | 1 | 1 |  | - |
| Acute stroke | - | - | - | - | 1 | - |  | - | - |  | - | - | - |  | - |
| Sequelae of stroke | 1 | - | - | 5 | 5 | 1 |  | - | - |  | 1 | 1 | 1 |  | - |
| Acute heart failure | - | - | - | 1 | 1 | 1 |  | - | - |  | - | - | - |  | - |
| Chronic heart failure without acute event | 1 | - | - | 5 | 5 | 5 |  | - | - |  | 1 | 1 | 1 |  | - |
| Peripheral vascular diseases | 1 | - | - | 5 | 5 | 1 |  | - | - |  | 1 | 1 | 1 |  | - |
| Heart arrhythmia or conduction disorders | 1 | - | - | 5 | 5 | 1 |  | - | - |  | 1 | 1 | 1 |  | - |
| Valvular heart diseases | 1 | - | - | 5 | 5 | 1 |  | - | - |  | 1 | 1 | 1 |  | - |
| Pulmonary embolism | - | - | - | - | 1 | - |  | - | - |  | - | - | - |  | - |
| Other cardiovascular diseases | 1 | - | - | - | - | - |  | - | - |  | - | - | - |  | - |
| Antihypertensive treatments (without specific diagnosis) | - | 1 | - | - | - | - |  | - | - |  | - | - | - |  | - |
| Lipid-lowering treatments (without specific diagnosis) | - | 1 | - | - | - | - |  | - | - |  | - | - | - |  | - |
| Diabetes | 1 | 2 | 2 | 2 | - | 2 |  | - | - |  | - | - | - |  | - |
| Active female breast cancer | 1 | - | 2 | 2 | - | 2 |  | - | - |  | - | - | - |  | - |
| Follow-up for female breast cancer | 1 | - | 5 | 5 | - | 2 |  | - | - |  | - | - | - |  | - |
| Active colorectal cancer | 1 | - | 2 | 2 | - | 2 |  | - | - |  | - | - | - |  | - |
| Follow-up for colorectal cancer | 1 | - | 5 | 5 | - | 2 |  | - | - |  | - | - | - |  | - |
| Active lung cancer | 1 | - | 2 | 2 | - | 2 |  | - | - |  | - | - | - |  | - |
| Follow-up for lung cancer | 1 | - | 5 | 5 | - | 2 |  | - | - |  | - | - | - |  | - |
| Active prostate cancer | 1 | 2 | 2 | 2 | - | 2 |  | - | - |  | - | - | - |  | - |
| Follow-up for prostate cancer | 1 | - | 5 | 5 | - | 2 |  | - | - |  | - | - | - |  | - |
| Other active cancers | 1 | - | 2 | 2 | - | 2 |  | - | - |  | - | - | - |  | - |
| Follow-up for other cancers | 1 | - | 5 | 5 | - | 2 |  | - | - |  | - | - | - |  | - |
| Psychotic disorders | 1 | 1 | 5 | 5 | - | 5 |  | 5 | 5 |  | 5 | 5 | 5 |  | - |
| Neurotic and mood disorders | 1 | 1 | 5 | 5 | - | 5 |  | 5 | 5 |  | 5 | 5 | 5 |  | - |
| Mental impairment | 1 | - | 2 | 2 | - | - |  | 2 | 2 |  | 2 | 2 | 2 |  | - |
| Addictive disorders | 1 | - | 2 | 2 | - | - |  | 2 | 2 |  | 2 | 2 | 2 |  | - |
| Psychiatric disorders having begun in childhood | 1 | - | 2 | 2 | - | - |  | 2 | 2 |  | 2 | 2 | 2 |  | - |
| Other psychiatric disorders | 1 | - | 2 | 2 | - | - |  | 2 | 2 |  | 2 | 2 | - |  | - |
| Antidepressant or mood-regulating treatments (without specific diagnosis) | - | 1 | - | - | - | - |  | - | - |  | - | - | - |  | - |
| Neuroleptic treatments (without specific diagnosis) | - | 1 | - | - | - | - |  | - | - |  | - | - | - |  | - |
| Anxiolytic treatments (without specific diagnosis) | - | 1 | - | - | - | - |  | - | - |  | - | - | - |  | - |
| Hypnotic treatments (without specific diagnosis) | - | 1 | - | - | - | - |  | - | - |  | - | - | - |  | - |
| Dementia (including Alzheimer disease) | 1 | 2 | 5 | 5 | - | 2 |  | 5 | 5 |  | 5 | 5 | 5 |  | - |
| Parkinson disease | 1 | 1 | 5 | 5 | - | 1 |  | 5 | 5 |  | 5 | 5 | 1 |  | - |
| Multiple sclerosis | 1 | 1 | 5 | 5 | - | - |  | - | - |  | 5 | 5 | - |  | - |
| Paraplegia | 1 | - | 5 | 5 | - | - |  | - | - |  | 5 | 5 | 5 |  | - |
| Myopathy or myasthenia | 1 | - | 5 | 5 | - | - |  | - | - |  | 5 | 5 | - |  | - |
| Epilepsy | 1 | - | 5 | 5 | - | - |  | - | - |  | - | - | - |  | - |
| Other neurologic conditions | 1 | - | - | - | - | - |  | - | - |  | - | - | - |  | - |
| Chronic respiratory diseases (excluding cystic fibrosis) | 1 | 1 | 5 | 5 | - | 1 |  | - | - |  | 1 | 1 | - |  | - |
| Inflammatory bowel diseases | 1 | - | 5 | 5 | - | 1 |  | - | - |  | 1 | 1 | 1 |  | - |
| Rheumatoid arthritis and related diseases | 1 | - | 5 | 5 | - | 1 |  | - | - |  | 1 | 1 | 1 |  | - |
| Ankylosing spondylitis and related diseases | 1 | - | 5 | 5 | - | 1 |  | - | - |  | 1 | 1 | 1 |  | - |
| Other chronic inflammatory diseases | 1 | - | 5 | 5 | - | 1 |  | - | - |  | 1 | 1 | 1 |  | - |
| Hereditary metabolic diseases or amyloidosis | 1 | - | 5 | 5 | - | 1 |  | - | - |  | 1 | 1 | 1 |  | - |
| Cystic fibrosis | 1 | - | 5 | 5 | - | 1 |  | - | - |  | 1 | 1 | 1 |  | - |
| Hemophilia or severe hemostasis disorders | 1 | - | 5 | 5 | - | 1 |  | - | - |  | - | - | - |  | - |
| HIV infection | 1 | 1 | 5 | 5 | - | 1 |  | 5 | 5 |  | - | - | - |  | 1a |
| Chronic dialysis | - | - | - | - | - | - |  | - | - |  | - | - | - |  | 2b,c,d |
| Kidney transplant | - | - | - | - | - | - |  | - | - |  | - | - | - |  | 1b,c |
| Follow-up for kidney transplant | 1 | 1 | 5 | 5 | - | 5 |  | - | - |  | - | - | - |  | 5b |
| Liver or pancreas diseases (excluding cystic fibrosis) | 1 | 1 | 5 | 5 | - | 1 |  | - | - |  | 1 | 1 | 1 |  | 1a,c |
| Other long term diseases | 1 | - | - | - | - | - |  | - | - |  | - | - | - |  | - |
| Maternity | - | - | - | - | - | - |  | - | - |  | - | - | - |  | 1b,d |
| Analgesic or NSAI treatment (excl. diseases, other chronic treatments, maternity or hospitalization) | - | 1 | - | - | - | - |  | - | - |  | - | - | - |  | - |
| a biological tests (claim, no result) b diagnosis-related group (short stay hospital discharge) c specific medical procedure d specific billing or 100% health insurance cover | | | | | | | | | | | | | | | |