

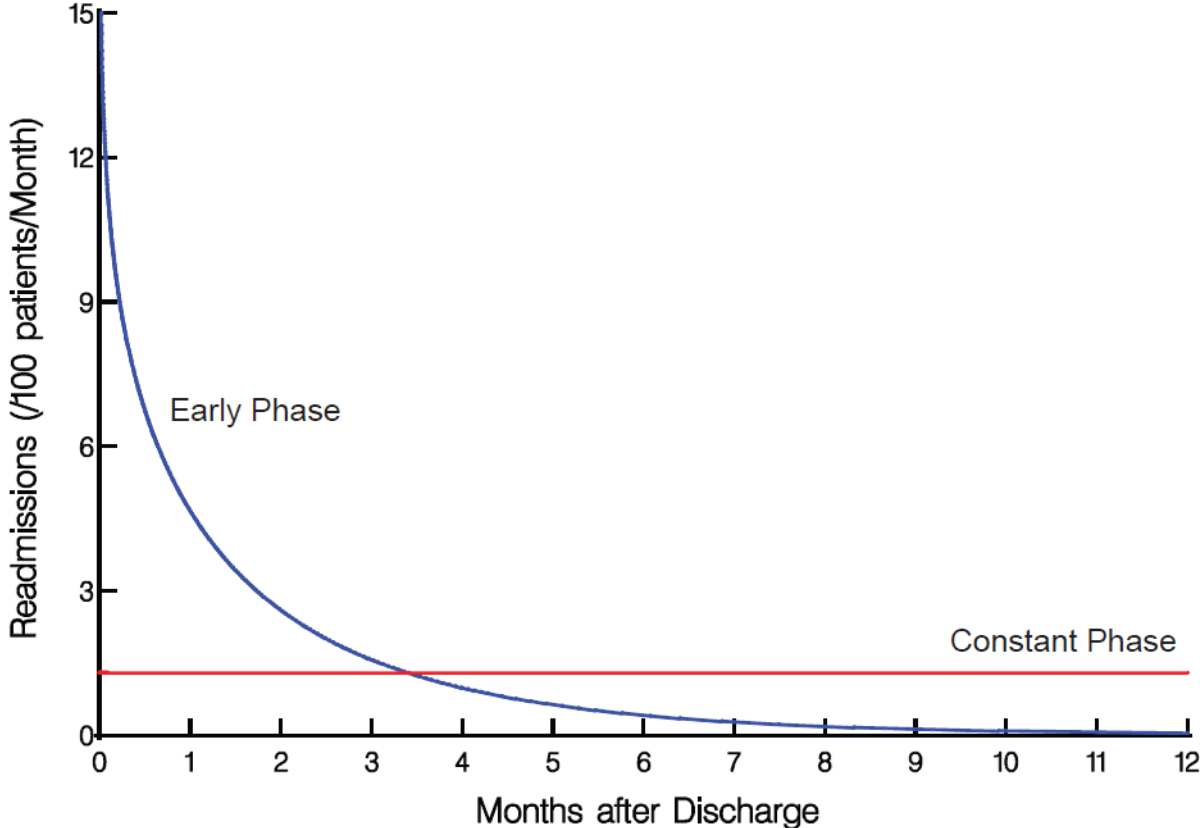
# **Supplemental Material**

**Table S1. Categorical assignment of principal diagnosis billing codes.**

<b>Readmission Diagnosis</b>	<b>Readmission Category</b>	<b>Frequency (%)</b>
Cardiac	MI related	137 (15)
Post-operative complication	MI related	50 (5.6)
Post-operative infection	MI related	73 (8.2)
Arrhythmia	Other CV	57 (6.4)
Coagulopathies	Other CV	8 (0.89)
Deep Vein Thrombus/Pulmonary Embolism	Other CV	7 (0.78)
Fluid-Heart Failure	Other CV	105 (12)
Endocrine	Non CV	7 (0.78)
Fluid - Pleural Effusion	Non CV	4 (0.45)
Gastrointestinal	Non CV	48 (5.4)
Genitourinary	Non CV	3 (0.34)
Hematologic	Non CV	10 (1.1)
Infection	Non CV	76 (8.5)
Miscellaneous	Non CV	101 (11)
Neurologic	Non CV	31 (3.5)
Pulmonary	Non CV	43 (4.8)
Renal	Non CV	21 (2.3)
Elective (Planned)	Planned	113 (13)

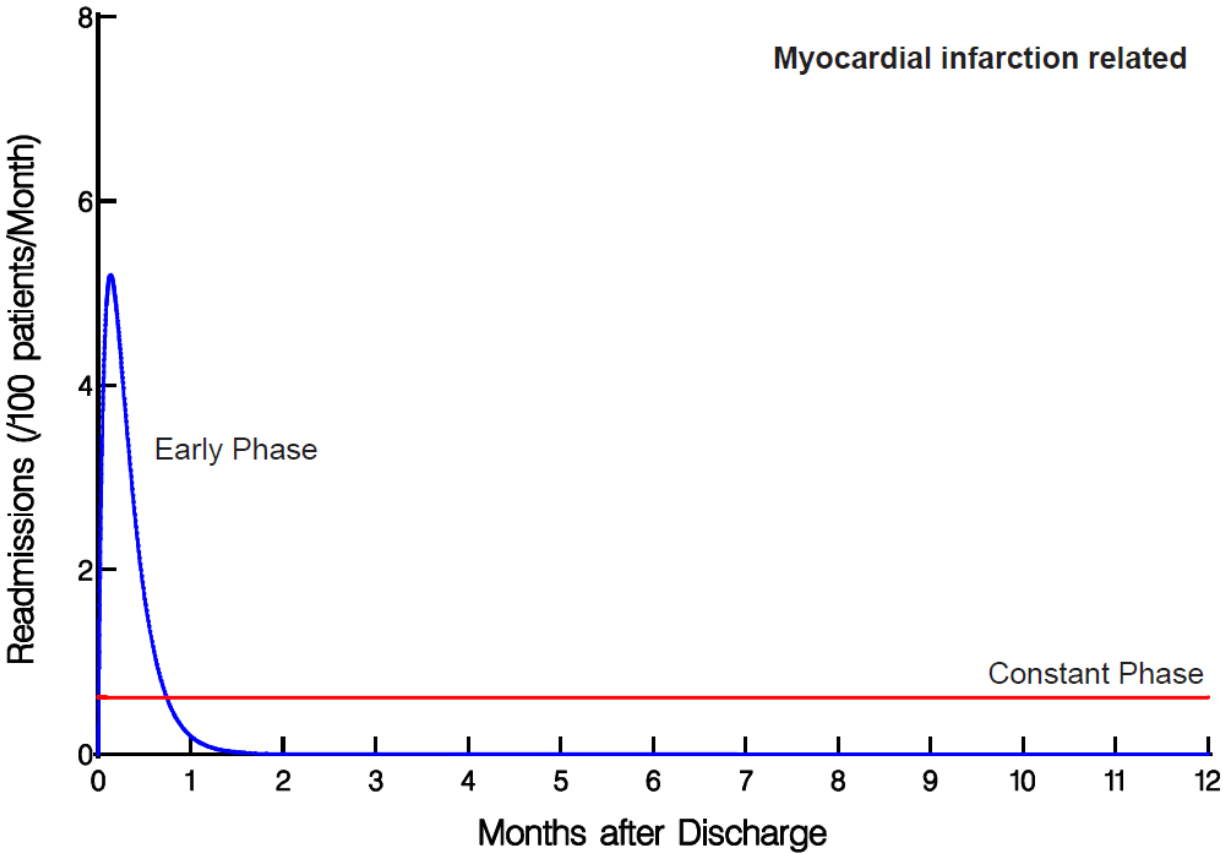
Figure S1 has been added to visualize that overall readmissions can be modelled by an early decreasing phase and a constant phase. Figures S2A-D have also been added to visualize the different phases comprised in the modelling for each readmission group.

**Figure S1. Twelve-month instantaneous risk (hazard function phases) of readmission after myocardial infarction.**



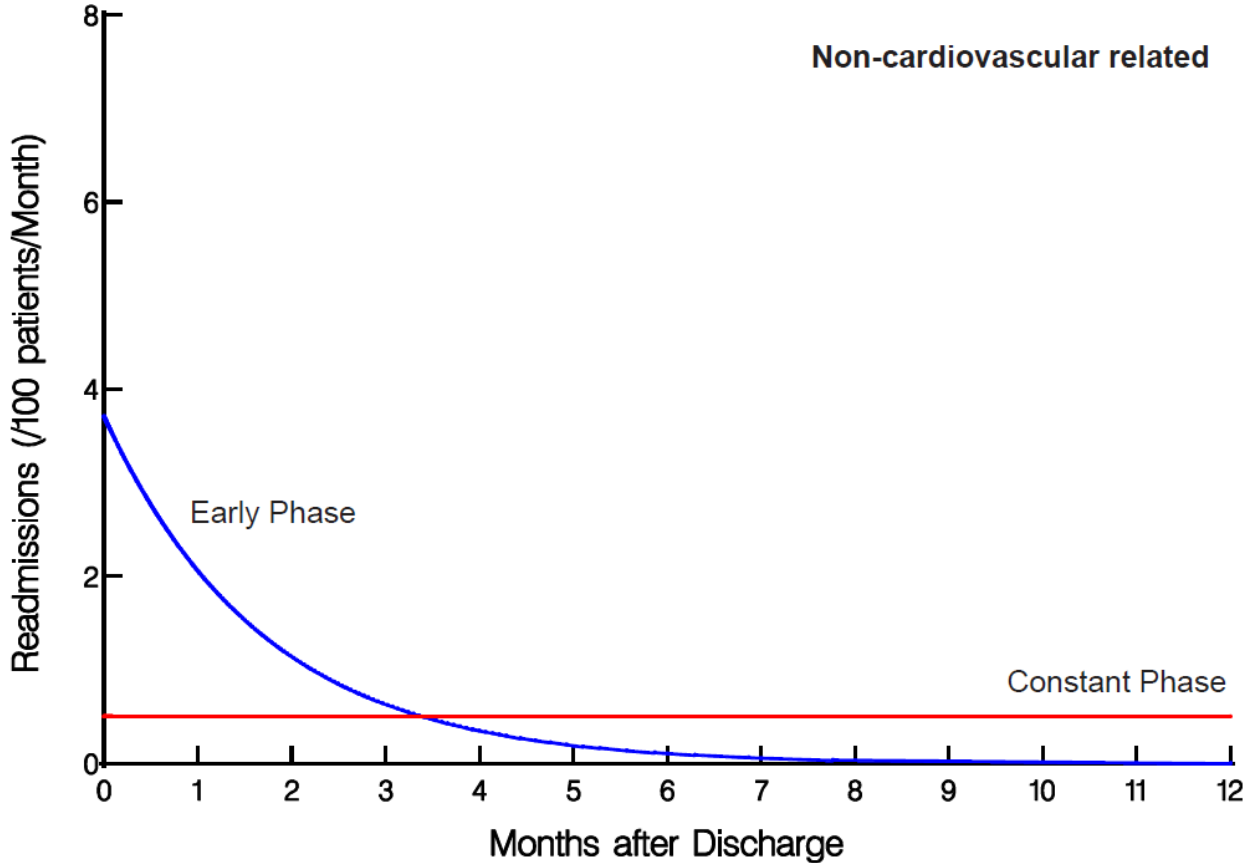
Blue = early phase; red = constant phase.

**Figure S2A. Twelve-month instantaneous risk (hazard function phases) of readmission after myocardial infarction for myocardial infarction related readmissions.**



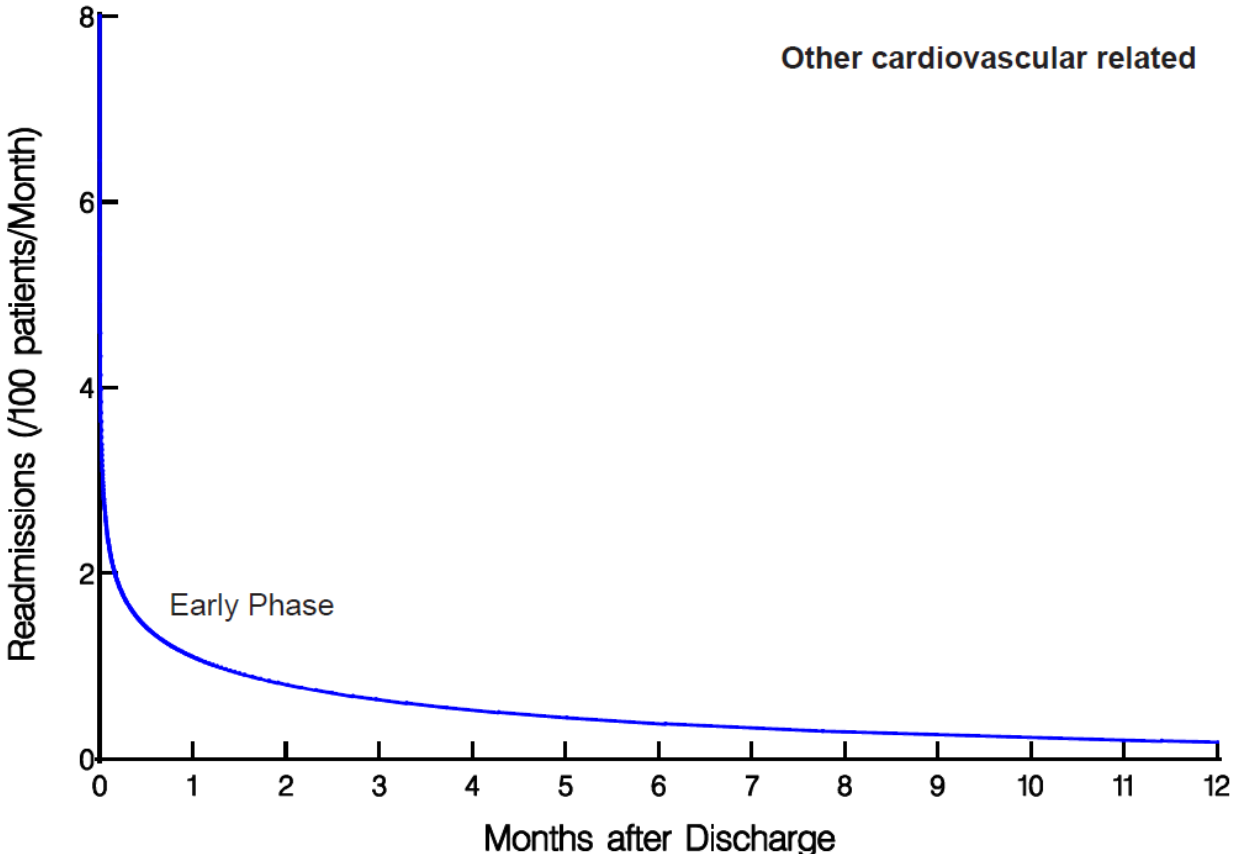
Blue = early phase; red = constant phase.

**Figure S2B. Twelve-month instantaneous risk (hazard function phases) of readmission after myocardial infarction for non-cardiovascular related readmissions.**



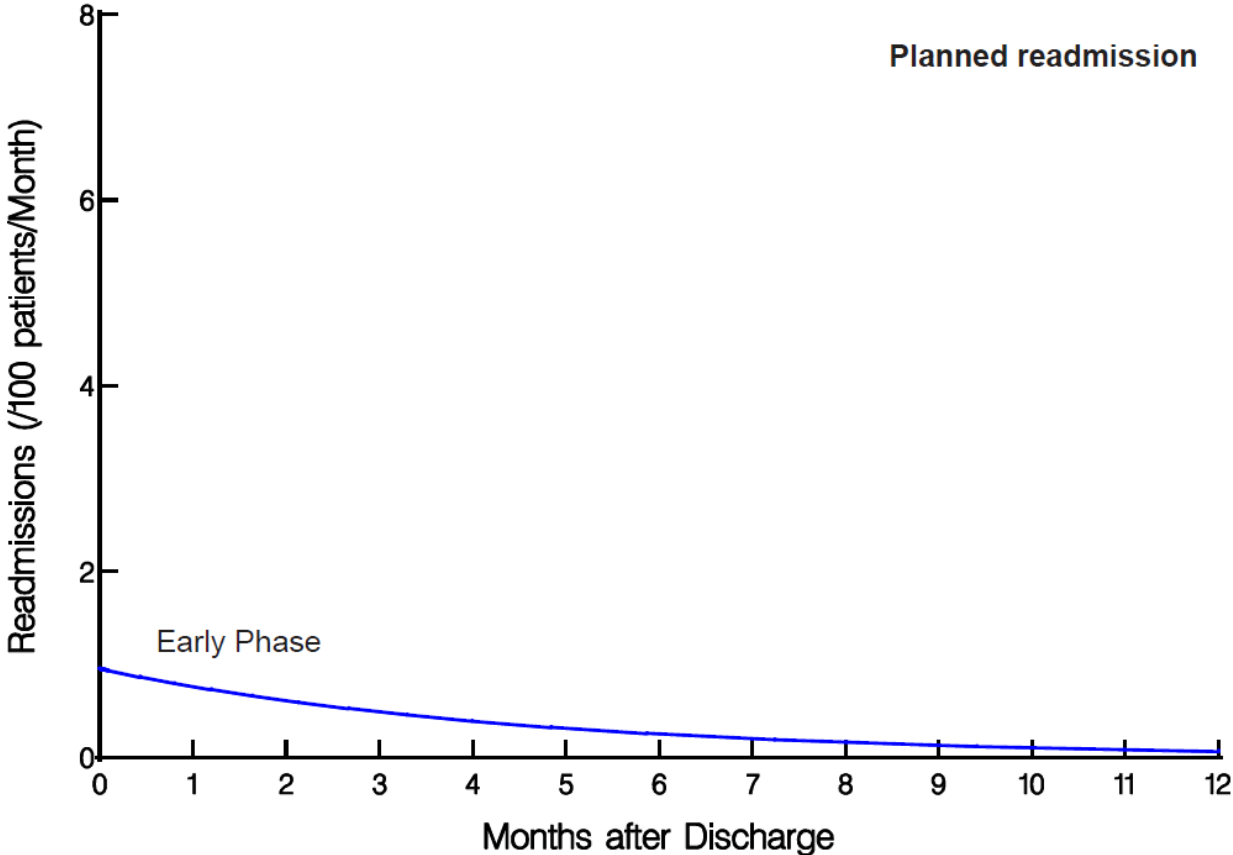
Blue = early phase; red = constant phase.

**Figure S2C. Twelve-month instantaneous risk (hazard function phases) of readmission after myocardial infarction for other cardiovascular related readmissions.**



Blue = early phase.

**Figure S2D. Twelve-month instantaneous risk (hazard function phases) of readmission after myocardial infarction for planned readmissions.**



Blue = early phase.