前置動作：

1. 取得Datasets
2. 取得Myocardial Infarction相關icd\_code
   * select \* from mimiciii.d\_icd\_diagnoses where icd9\_code like ’41%’
3. 取得其對應之itemid

急性心肌梗死（ICD-9/ICD-9-CM：410；或 ICD-10-CA：I21、I22）

其他急性和亞急性缺血性心髒病（ICD-9/ICD-9-CM：411；或 ICD-10-CA：I20.0、I23.82、I24）

陳舊性心肌梗死（ICD-9/ICD-9-CM：412；或 ICD-10-CA：I25.2）

心絞痛（ICD-9/ICD-9-CM：413；或 ICD-10-CA：I20.1）

其他形式的慢性缺血性心髒病（ICD-9/ICD-9-CM：414；或 ICD-10-CA：I25.0、I25.1、I25.3、I25.8、I25.9）

410-414缺血性心臟病

排除條件：

Records with an invalid health card number

Records with an invalid date of birth

Records with an invalid admission date or time

Records with an invalid discharge date or time

Discharged as a death or self sign-out or did not return from a pass

Any one of the following diagnoses recorded in any position:

Cancer (ICD-9/ICD-9-CM: 140–208, V58.1, V58.0; or ICD-10-CA: C00–C26, C30–C44, C45–C97, Z51.0, Z51.1)

HIV (ICD-9: 042, 043, 044, 795.8; or ICD-9-CM: 042, 043, 044, 795.71, V08; or ICD-10-CA: B24, Z21, R75)

Trauma (ICD-9/ICD-9-CM: E800–848, E880–886, E888, E890–899, E900–910, E913–926, E928, E950–958, E960–968, E970–976, E990–998; or ICD-10-CA: V01–V99, W00–W23, X00–X09, W92–W94, X17, X30, X31, X51, X53, X54, X57, X20–X29, W50–W60, X33–X38, W30, W31, W44, W45, W64–W77, W81–W84, W25–W27, W33–W40, W85–W99, X10–X19, X60–X84, X85–Y09, Y35.0–Y35.4, Y35.6, Y35.7, Y36)

資料處理

Reference:

Technical Note: Acute Myocardial Infarction Readmission Rate

(<https://www.cihi.ca/en/technical-note-acute-myocardial-infarction-readmission-rate>)

Acute myocardial infarction(http://www.icd9data.com/2014/Volume1/390-459/410-414/410/default.htm)