

# Comparative effectiveness of angiotensin converting enzyme inhibitors (ACEI) and thiazide or thiazide-like diuretics (THZ)

Version: 1.1.0

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# 1 Exposure Cohorts

## 1.1 ACEI New-Users

## 1.1.1 Cohort Entry Events

People with continuous observation of 365 days before event may enter the cohort when observing any of the following:

1. drug exposure of '[LEGEND HTN] ACE inhibitors' for the first time in the person's history.

Limit cohort entry events to the earliest event per person.

Restrict entry events to with all of the following criteria:

1. having no drug exposures of '[LEGEND HTN] Hypertension drugs', starting anytime prior to cohort entry start date.

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- 2. having at least 1 condition occurrence of 'Hypertensive disorder', starting between 365 days before and 0 days after cohort entry start date.
- 3. having exactly 1 distinct standard concepts from drug era of '[LEGEND HTN] Hypertension drugs', starting between 0 days before and 7 days after cohort entry start date.

## 1.1.2 Cohort Exit

The cohort end date will be based on a continuous exposure to '[LEGEND HTN] ACE inhibitors': allowing 30 days between exposures, adding 0 days after exposure ends, and using days supply and exposure end date for exposure duration.

## 1.1.3 Cohort Eras

Entry events will be combined into cohort eras if they are within 0 days of each other.

## 1.1.4 Concept: Hypertensive disorder

| Concept ID | Concept Name          | Code     | Vocabulary | Excluded | Descendants | Mapped |
|------------|-----------------------|----------|------------|----------|-------------|--------|
| 316866     | Hypertensive disorder | 38341003 | SNOMED     | NO       | YES         | NO     |

## 1.1.5 Concept: [LEGEND HTN] First-line hypertension drugs

| Concept ID | Concept Name        | Code    | Vocabulary | Excluded | Descendants | Mapped |
|------------|---------------------|---------|------------|----------|-------------|--------|
| 1332418    | Amlodipine          | 17767   | RxNorm     | NO       | YES         | NO     |
| 40235485   | azilsartan          | 1091643 | RxNorm     | NO       | YES         | NO     |
| 1335471    | benazepril          | 18867   | RxNorm     | NO       | YES         | NO     |
| 1351557    | candesartan         | 214354  | RxNorm     | NO       | YES         | NO     |
| 1340128    | Captopril           | 1998    | RxNorm     | NO       | YES         | NO     |
| 1395058    | Chlorthalidone      | 2409    | RxNorm     | NO       | YES         | NO     |
| 1328165    | Diltiazem           | 3443    | RxNorm     | NO       | YES         | NO     |
| 1341927    | Enalapril           | 3827    | RxNorm     | NO       | YES         | NO     |
| 1346686    | eprosartan          | 83515   | RxNorm     | NO       | YES         | NO     |
| 1353776    | Felodipine          | 4316    | RxNorm     | NO       | YES         | NO     |
| 1363749    | Fosinopril          | 50166   | RxNorm     | NO       | YES         | NO     |
| 974166     | Hydrochlorothiazide | 5487    | RxNorm     | NO       | YES         | NO     |
| 978555     | Indapamide          | 5764    | RxNorm     | NO       | YES         | NO     |
| 1347384    | irbesartan          | 83818   | RxNorm     | NO       | YES         | NO     |
| 1326012    | Isradipine          | 33910   | RxNorm     | NO       | YES         | NO     |
| 1308216    | Lisinopril          | 29046   | RxNorm     | NO       | YES         | NO     |
| 1367500    | Losartan            | 52175   | RxNorm     | NO       | YES         | NO     |
| 907013     | Metolazone          | 6916    | RxNorm     | NO       | YES         | NO     |
| 1310756    | moexipril           | 30131   | RxNorm     | NO       | YES         | NO     |
| 1318137    | Nicardipine         | 7396    | RxNorm     | NO       | YES         | NO     |



| 1318853  | Nifedipine   | 7417   | RxNorm | NO | YES | NO |
|----------|--------------|--------|--------|----|-----|----|
| 1319880  | Nisoldipine  | 7435   | RxNorm | NO | YES | NO |
| 40226742 | olmesartan   | 321064 | RxNorm | NO | YES | NO |
| 1373225  | Perindopril  | 54552  | RxNorm | NO | YES | NO |
| 1331235  | quinapril    | 35208  | RxNorm | NO | YES | NO |
| 1334456  | Ramipril     | 35296  | RxNorm | NO | YES | NO |
| 1317640  | telmisartan  | 73494  | RxNorm | NO | YES | NO |
| 1342439  | trandolapril | 38454  | RxNorm | NO | YES | NO |
| 1308842  | valsartan    | 69749  | RxNorm | NO | YES | NO |
| 1307863  | Verapamil    | 11170  | RxNorm | NO | YES | NO |
|          |              |        |        |    |     |    |

# 1.1.6 Concept: [LEGEND HTN] Hypertension drugs

| Concept ID | Concept Name        | Code    | Vocabulary | Excluded | Descendants | Mapped |
|------------|---------------------|---------|------------|----------|-------------|--------|
| 1319998    | Acebutolol          | 149     | RxNorm     | NO       | YES         | NO     |
| 1317967    | aliskiren           | 325646  | RxNorm     | NO       | YES         | NO     |
| 991382     | Amiloride           | 644     | RxNorm     | NO       | YES         | NO     |
| 1332418    | Amlodipine          | 17767   | RxNorm     | NO       | YES         | NO     |
| 1314002    | Atenolol            | 1202    | RxNorm     | NO       | YES         | NO     |
| 40235485   | azilsartan          | 1091643 | RxNorm     | NO       | YES         | NO     |
| 1335471    | benazepril          | 18867   | RxNorm     | NO       | YES         | NO     |
| 1322081    | Betaxolol           | 1520    | RxNorm     | NO       | YES         | NO     |
| 1338005    | Bisoprolol          | 19484   | RxNorm     | NO       | YES         | NO     |
| 932745     | Bumetanide          | 1808    | RxNorm     | NO       | YES         | NO     |
| 1351557    | candesartan         | 214354  | RxNorm     | NO       | YES         | NO     |
| 1340128    | Captopril           | 1998    | RxNorm     | NO       | YES         | NO     |
| 1346823    | carvedilol          | 20352   | RxNorm     | NO       | YES         | NO     |
| 1395058    | Chlorthalidone      | 2409    | RxNorm     | NO       | YES         | NO     |
| 1398937    | Clonidine           | 2599    | RxNorm     | NO       | YES         | NO     |
| 1328165    | Diltiazem           | 3443    | RxNorm     | NO       | YES         | NO     |
| 1363053    | Doxazosin           | 49276   | RxNorm     | NO       | YES         | NO     |
| 1341927    | Enalapril           | 3827    | RxNorm     | NO       | YES         | NO     |
| 1309799    | eplerenone          | 298869  | RxNorm     | NO       | YES         | NO     |
| 1346686    | eprosartan          | 83515   | RxNorm     | NO       | YES         | NO     |
| 1353776    | Felodipine          | 4316    | RxNorm     | NO       | YES         | NO     |
| 1363749    | Fosinopril          | 50166   | RxNorm     | NO       | YES         | NO     |
| 956874     | Furosemide          | 4603    | RxNorm     | NO       | YES         | NO     |
| 1344965    | Guanfacine          | 40114   | RxNorm     | NO       | YES         | NO     |
| 1373928    | Hydralazine         | 5470    | RxNorm     | NO       | YES         | NO     |
| 974166     | Hydrochlorothiazide | 5487    | RxNorm     | NO       | YES         | NO     |
| 978555     | Indapamide          | 5764    | RxNorm     | NO       | YES         | NO     |
| 1347384    | irbesartan          | 83818   | RxNorm     | NO       | YES         | NO     |
| 1326012    | Isradipine          | 33910   | RxNorm     | NO       | YES         | NO     |
| 1386957    | Labetalol           | 6185    | RxNorm     | NO       | YES         | NO     |
| 1308216    | Lisinopril          | 29046   | RxNorm     | NO       | YES         | NO     |
| 1367500    | Losartan            | 52175   | RxNorm     | NO       | YES         | NO     |
| 1305447    | Methyldopa          | 6876    | RxNorm     | NO       | YES         | NO     |
| 907013     | Metolazone          | 6916    | RxNorm     | NO       | YES         | NO     |
| 1307046    | Metoprolol          | 6918    | RxNorm     | NO       | YES         | NO     |
| 1309068    | Minoxidil           | 6984    | RxNorm     | NO       | YES         | NO     |
| 1310756    | moexipril           | 30131   | RxNorm     | NO       | YES         | NO     |
| 1313200    | Nadolol             | 7226    | RxNorm     | NO       | YES         | NO     |
| 1314577    | nebivolol           | 31555   | RxNorm     | NO       | YES         | NO     |
| 1318137    | Nicardipine         | 7396    | RxNorm     | NO       | YES         | NO     |
| 1318853    | Nifedipine          | 7417    | RxNorm     | NO       | YES         | NO     |
| 1319880    | Nisoldipine         | 7435    | RxNorm     | NO       | YES         | NO     |
| 40226742   | olmesartan          | 321064  | RxNorm     | NO       | YES         | NO     |
| 1327978    | Penbutolol          | 7973    | RxNorm     | NO       | YES         | NO     |



| 1373225 | Perindopril    | 54552 | RxNorm | NO | YES | NO |
|---------|----------------|-------|--------|----|-----|----|
| 1345858 | Pindolol       | 8332  | RxNorm | NO | YES | NO |
| 1350489 | Prazosin       | 8629  | RxNorm | NO | YES | NO |
| 1353766 | Propranolol    | 8787  | RxNorm | NO | YES | NO |
| 1331235 | quinapril      | 35208 | RxNorm | NO | YES | NO |
| 1334456 | Ramipril       | 35296 | RxNorm | NO | YES | NO |
| 970250  | Spironolactone | 9997  | RxNorm | NO | YES | NO |
| 1317640 | telmisartan    | 73494 | RxNorm | NO | YES | NO |
| 1341238 | Terazosin      | 37798 | RxNorm | NO | YES | NO |
| 942350  | torsemide      | 38413 | RxNorm | NO | YES | NO |
| 1342439 | trandolapril   | 38454 | RxNorm | NO | YES | NO |
| 904542  | Triamterene    | 10763 | RxNorm | NO | YES | NO |
| 1308842 | valsartan      | 69749 | RxNorm | NO | YES | NO |
| 1307863 | Verapamil      | 11170 | RxNorm | NO | YES | NO |

## 1.1.7 Concept: [LEGEND HTN] ACE inhibitors

| Concept ID | Concept Name | Code  | Vocabulary | Excluded | Descendants | Mapped |
|------------|--------------|-------|------------|----------|-------------|--------|
| 1335471    | benazepril   | 18867 | RxNorm     | NO       | YES         | NO     |
| 1340128    | Captopril    | 1998  | RxNorm     | NO       | YES         | NO     |
| 1341927    | Enalapril    | 3827  | RxNorm     | NO       | YES         | NO     |
| 1363749    | Fosinopril   | 50166 | RxNorm     | NO       | YES         | NO     |
| 1308216    | Lisinopril   | 29046 | RxNorm     | NO       | YES         | NO     |
| 1310756    | moexipril    | 30131 | RxNorm     | NO       | YES         | NO     |
| 1373225    | Perindopril  | 54552 | RxNorm     | NO       | YES         | NO     |
| 1331235    | quinapril    | 35208 | RxNorm     | NO       | YES         | NO     |
| 1334456    | Ramipril     | 35296 | RxNorm     | NO       | YES         | NO     |
| 1342439    | trandolapril | 38454 | RxNorm     | NO       | YES         | NO     |

## 1.2 THZ New-Users

## 1.2.1 Cohort Entry Events

People with continuous observation of 365 days before event may enter the cohort when observing any of the following:

1. drug exposure of '[LEGEND HTN] Thiazide or thiazide-like diuretic' for the first time in the person's history.

Limit cohort entry events to the earliest event per person.

Restrict entry events to with all of the following criteria:

1. having no drug exposures of '[LEGEND HTN] Hypertension drugs', starting anytime prior to cohort entry start date.



- 2. having at least 1 condition occurrence of 'Hypertensive disorder', starting between 365 days before and 0 days after cohort entry start date.
- 3. having exactly 1 distinct standard concepts from drug era of '[LEGEND HTN] Hypertension drugs', starting between 0 days before and 7 days after cohort entry start date.

## 1.2.2 Cohort Exit

The cohort end date will be based on a continuous exposure to '[LEGEND HTN] Thiazide or thiazide-like diuretic': allowing 30 days between exposures, adding 0 days after exposure ends, and using days supply and exposure end date for exposure duration.

## 1.2.3 Cohort Eras

Entry events will be combined into cohort eras if they are within 0 days of each other.

## 1.2.4 Concept: Hypertensive disorder

| Concept ID | Concept Name          | Code     | Vocabulary | Excluded | Descendants | Mapped |
|------------|-----------------------|----------|------------|----------|-------------|--------|
| 316866     | Hypertensive disorder | 38341003 | SNOMED     | NO       | YES         | NO     |

# 1.2.5 Concept: [LEGEND HTN] First-line hypertension drugs

| Concept ID | Concept Name        | Code    | Vocabulary | Excluded | Descendants | Mapped |
|------------|---------------------|---------|------------|----------|-------------|--------|
| 1332418    | Amlodipine          | 17767   | RxNorm     | NO       | YES         | NO     |
| 40235485   | azilsartan          | 1091643 | RxNorm     | NO       | YES         | NO     |
| 1335471    | benazepril          | 18867   | RxNorm     | NO       | YES         | NO     |
| 1351557    | candesartan         | 214354  | RxNorm     | NO       | YES         | NO     |
| 1340128    | Captopril           | 1998    | RxNorm     | NO       | YES         | NO     |
| 1395058    | Chlorthalidone      | 2409    | RxNorm     | NO       | YES         | NO     |
| 1328165    | Diltiazem           | 3443    | RxNorm     | NO       | YES         | NO     |
| 1341927    | Enalapril           | 3827    | RxNorm     | NO       | YES         | NO     |
| 1346686    | eprosartan          | 83515   | RxNorm     | NO       | YES         | NO     |
| 1353776    | Felodipine          | 4316    | RxNorm     | NO       | YES         | NO     |
| 1363749    | Fosinopril          | 50166   | RxNorm     | NO       | YES         | NO     |
| 974166     | Hydrochlorothiazide | 5487    | RxNorm     | NO       | YES         | NO     |
| 978555     | Indapamide          | 5764    | RxNorm     | NO       | YES         | NO     |
| 1347384    | irbesartan          | 83818   | RxNorm     | NO       | YES         | NO     |
| 1326012    | Isradipine          | 33910   | RxNorm     | NO       | YES         | NO     |
| 1308216    | Lisinopril          | 29046   | RxNorm     | NO       | YES         | NO     |
| 1367500    | Losartan            | 52175   | RxNorm     | NO       | YES         | NO     |
| 907013     | Metolazone          | 6916    | RxNorm     | NO       | YES         | NO     |
| 1310756    | moexipril           | 30131   | RxNorm     | NO       | YES         | NO     |
| 1318137    | Nicardipine         | 7396    | RxNorm     | NO       | YES         | NO     |



| 1318853  | Nifedipine   | 7417   | RxNorm | NO | YES | NO |
|----------|--------------|--------|--------|----|-----|----|
| 1319880  | Nisoldipine  | 7435   | RxNorm | NO | YES | NO |
| 40226742 | olmesartan   | 321064 | RxNorm | NO | YES | NO |
| 1373225  | Perindopril  | 54552  | RxNorm | NO | YES | NO |
| 1331235  | quinapril    | 35208  | RxNorm | NO | YES | NO |
| 1334456  | Ramipril     | 35296  | RxNorm | NO | YES | NO |
| 1317640  | telmisartan  | 73494  | RxNorm | NO | YES | NO |
| 1342439  | trandolapril | 38454  | RxNorm | NO | YES | NO |
| 1308842  | valsartan    | 69749  | RxNorm | NO | YES | NO |
| 1307863  | Verapamil    | 11170  | RxNorm | NO | YES | NO |
|          |              |        |        |    |     |    |

# 1.2.6 Concept: [LEGEND HTN] Hypertension drugs

| Concept ID | Concept Name        | Code    | Vocabulary | Excluded | Descendants | Mapped |
|------------|---------------------|---------|------------|----------|-------------|--------|
| 1319998    | Acebutolol          | 149     | RxNorm     | NO       | YES         | NO     |
| 1317967    | aliskiren           | 325646  | RxNorm     | NO       | YES         | NO     |
| 991382     | Amiloride           | 644     | RxNorm     | NO       | YES         | NO     |
| 1332418    | Amlodipine          | 17767   | RxNorm     | NO       | YES         | NO     |
| 1314002    | Atenolol            | 1202    | RxNorm     | NO       | YES         | NO     |
| 40235485   | azilsartan          | 1091643 | RxNorm     | NO       | YES         | NO     |
| 1335471    | benazepril          | 18867   | RxNorm     | NO       | YES         | NO     |
| 1322081    | Betaxolol           | 1520    | RxNorm     | NO       | YES         | NO     |
| 1338005    | Bisoprolol          | 19484   | RxNorm     | NO       | YES         | NO     |
| 932745     | Bumetanide          | 1808    | RxNorm     | NO       | YES         | NO     |
| 1351557    | candesartan         | 214354  | RxNorm     | NO       | YES         | NO     |
| 1340128    | Captopril           | 1998    | RxNorm     | NO       | YES         | NO     |
| 1346823    | carvedilol          | 20352   | RxNorm     | NO       | YES         | NO     |
| 1395058    | Chlorthalidone      | 2409    | RxNorm     | NO       | YES         | NO     |
| 1398937    | Clonidine           | 2599    | RxNorm     | NO       | YES         | NO     |
| 1328165    | Diltiazem           | 3443    | RxNorm     | NO       | YES         | NO     |
| 1363053    | Doxazosin           | 49276   | RxNorm     | NO       | YES         | NO     |
| 1341927    | Enalapril           | 3827    | RxNorm     | NO       | YES         | NO     |
| 1309799    | eplerenone          | 298869  | RxNorm     | NO       | YES         | NO     |
| 1346686    | eprosartan          | 83515   | RxNorm     | NO       | YES         | NO     |
| 1353776    | Felodipine          | 4316    | RxNorm     | NO       | YES         | NO     |
| 1363749    | Fosinopril          | 50166   | RxNorm     | NO       | YES         | NO     |
| 956874     | Furosemide          | 4603    | RxNorm     | NO       | YES         | NO     |
| 1344965    | Guanfacine          | 40114   | RxNorm     | NO       | YES         | NO     |
| 1373928    | Hydralazine         | 5470    | RxNorm     | NO       | YES         | NO     |
| 974166     | Hydrochlorothiazide | 5487    | RxNorm     | NO       | YES         | NO     |
| 978555     | Indapamide          | 5764    | RxNorm     | NO       | YES         | NO     |
| 1347384    | irbesartan          | 83818   | RxNorm     | NO       | YES         | NO     |
| 1326012    | Isradipine          | 33910   | RxNorm     | NO       | YES         | NO     |
| 1386957    | Labetalol           | 6185    | RxNorm     | NO       | YES         | NO     |
| 1308216    | Lisinopril          | 29046   | RxNorm     | NO       | YES         | NO     |
| 1367500    | Losartan            | 52175   | RxNorm     | NO       | YES         | NO     |
| 1305447    | Methyldopa          | 6876    | RxNorm     | NO       | YES         | NO     |
| 907013     | Metolazone          | 6916    | RxNorm     | NO       | YES         | NO     |
| 1307046    | Metoprolol          | 6918    | RxNorm     | NO       | YES         | NO     |
| 1309068    | Minoxidil           | 6984    | RxNorm     | NO       | YES         | NO     |
| 1310756    | moexipril           | 30131   | RxNorm     | NO       | YES         | NO     |
| 1313200    | Nadolol             | 7226    | RxNorm     | NO       | YES         | NO     |
| 1314577    | nebivolol           | 31555   | RxNorm     | NO       | YES         | NO     |
| 1318137    | Nicardipine         | 7396    | RxNorm     | NO       | YES         | NO     |
| 1318853    | Nifedipine          | 7417    | RxNorm     | NO       | YES         | NO     |
| 1319880    | Nisoldipine         | 7435    | RxNorm     | NO       | YES         | NO     |
| 40226742   | olmesartan          | 321064  | RxNorm     | NO       | YES         | NO     |
| 1327978    | Penbutolol          | 7973    | RxNorm     | NO       | YES         | NO     |



| 1373225 | Perindopril    | 54552 | RxNorm | NO | YES | NO |
|---------|----------------|-------|--------|----|-----|----|
| 1345858 | Pindolol       | 8332  | RxNorm | NO | YES | NO |
| 1350489 | Prazosin       | 8629  | RxNorm | NO | YES | NO |
| 1353766 | Propranolol    | 8787  | RxNorm | NO | YES | NO |
| 1331235 | quinapril      | 35208 | RxNorm | NO | YES | NO |
| 1334456 | Ramipril       | 35296 | RxNorm | NO | YES | NO |
| 970250  | Spironolactone | 9997  | RxNorm | NO | YES | NO |
| 1317640 | telmisartan    | 73494 | RxNorm | NO | YES | NO |
| 1341238 | Terazosin      | 37798 | RxNorm | NO | YES | NO |
| 942350  | torsemide      | 38413 | RxNorm | NO | YES | NO |
| 1342439 | trandolapril   | 38454 | RxNorm | NO | YES | NO |
| 904542  | Triamterene    | 10763 | RxNorm | NO | YES | NO |
| 1308842 | valsartan      | 69749 | RxNorm | NO | YES | NO |
| 1307863 | Verapamil      | 11170 | RxNorm | NO | YES | NO |

## 1.2.7 Concept: [LEGEND HTN] Thiazide or thiazide-like diuretic

| Concept ID        | Concept Name                          | Code                 | Vocabulary                 | Excluded       | Descendants       | Mapped         |
|-------------------|---------------------------------------|----------------------|----------------------------|----------------|-------------------|----------------|
| 1395058<br>974166 | Chlorthalidone<br>Hydrochlorothiazide | 2409<br>5487<br>5764 | RxNorm<br>RxNorm<br>RxNorm | NO<br>NO<br>NO | YES<br>YES<br>YES | NO<br>NO<br>NO |
| 978555<br>907013  | Indapamide<br>Metolazone              | 6916                 | RxNorm                     | NO<br>NO       | YES               | NO<br>NO       |

# 2 Outcome Cohorts

# 2.1 Primary Outcome: Hospitalization with Heart Failure Events

# 2.1.1 Cohort Entry Events

People enter the cohort when observing any of the following:

1. visit occurrences of 'Inpatient or ER visit'; having at least 1 condition occurrence of '[LEGEND HTN] Heart Failure', starting between 0 days before and all days after 'Inpatient or ER visit' start date and starting anytime on or before 'Inpatient or ER visit' end date.

## 2.1.2 Cohort Exit

The cohort end date will be offset from index event's end date plus 0 days.



#### 2.1.3 Cohort Eras

Entry events will be combined into cohort eras if they are within 7 days of each other.

## 2.1.4 Concept: Inpatient or ER visit

| Concept ID | Concept Name                       | Code | Vocabulary | Excluded | Descendants | Mapped |
|------------|------------------------------------|------|------------|----------|-------------|--------|
| 262        | Emergency Room and Inpatient Visit | ERIP | Visit      | NO       | YES         | NO     |
| 9203       | Emergency Room Visit               | ER   | Visit      | NO       | YES         | NO     |
| 9201       | Inpatient Visit                    | IP   | Visit      | NO       | YES         | NO     |

## 2.1.5 Concept: [LEGEND HTN] Heart Failure

| Concept ID | Concept Name                       | Code     | Vocabulary | Excluded | Descendants | Mapped |
|------------|------------------------------------|----------|------------|----------|-------------|--------|
| 315295     | Congestive rheumatic heart failure | 82523003 | SNOMED     | YES      | YES         | NO     |
| 316139     | Heart failure                      | 84114007 | SNOMED     | NO       | YES         | NO     |

# 2.2 Competing Outcome: Acute Myocardial Infarction Events

## 2.2.1 Cohort Entry Events

People may enter the cohort when observing any of the following:

1. condition occurrences of '[LEGEND HTN] Acute myocardial Infarction'.

Restrict entry events to having at least 1 visit occurrence of 'Inpatient or ER visit', starting anytime on or before cohort entry start date and ending between 0 days before and all days after cohort entry start date.

## 2.2.2 Cohort Exit

The cohort end date will be offset from index event's start date plus 7 days.

#### 2.2.3 Cohort Eras

Entry events will be combined into cohort eras if they are within 180 days of each other.



# 2.2.4 Concept: Inpatient or ER visit

| Concept ID | Concept Name                       | Code | Vocabulary | Excluded | Descendants | Mapped |
|------------|------------------------------------|------|------------|----------|-------------|--------|
| 262        | Emergency Room and Inpatient Visit | ERIP | Visit      | NO       | YES         | NO     |
| 9203       | Emergency Room Visit               | ER   | Visit      | NO       | YES         | NO     |
| 9201       | Inpatient Visit                    | ΙP   | Visit      | NO       | YES         | NO     |

# 2.2.5 Concept: [LEGEND HTN] Acute myocardial Infarction

| Concept ID | Concept Name                                    | Code     | Vocabulary | Excluded | Descendants | Mapped |
|------------|---|----------|------------|----------|-------------|--------|
| 4329847    | Myocardial infarction Old myocardial infarction | 22298006 | SNOMED     | NO       | YES         | NO     |
| 314666     |   | 1755008  | SNOMED     | YES      | YES         | NO     |

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