

## HEDIS 2015 - Controlling High Blood Pressure (CBP)

The percentage of members 18–85 years of age who had a diagnosis of hypertension (HTN) and whose BP was adequately controlled (less than 140/90) during the measurement year. Use the Hybrid Method for this measure.

Improvement Notation	Higher score indicates better quality
Denominator	18–85 years as of the last day of the measurement year. Members are identified as hypertensive if there is at least one outpatient visit (Outpatient CPT Value Set) with a diagnosis of hypertension (Hypertension Value Set) during the first six months of the measurement year.
Numerator	The number of members in the denominator whose most recent BP is adequately controlled during the measurement year. For a member's BP to be controlled, both the systolic and diastolic BP must be less than 140/90 (adequate control). To determine if a member's BP is adequately controlled, the representative BP must be identified. The reading must occur after the diagnosis of hypertension has been confirmed.
Exclusions	None
Exceptions	None
Note	

Last updated 01/13/2017

### Reference Periods Reference Date 02/12/2017

<b>Base Period</b>	02/12/2016 - 02/12/2017	12 months prior to the reference date
<b>Ever</b>	- 02/12/2017	Any time prior to the reference date
<b>Reporting Period Htnvisit</b>	02/12/2016 - 08/12/2016	6 months prior to end date of <b>Base Period</b>

For help reading this document, refer to key on last page.

## Denominator

AND

Between 18 and 85 years of age on end date of **Base Period** — 02/12/2017

One code indicating the following for **Reporting Period Htnvisit** — between 02/12/2016 and 08/12/2016

✓ Hypertension

**See table D1**



Happening during same encounter as the following

Happening during same encounter as the following

✓ Outpatient encounter ✓ Office visit

**See table L1**

## Numerator

Between 18 and 59 years of age on end date of **Base Period** — 02/12/2017

**AND**

One code indicating the following for **Reporting Period Htnvisit** — between 02/12/2016 and 08/12/2016 (use first recorded date for each)

✓ Hypertension

**See table N1**

Happening during same encounter as the following

Happening during same encounter as the following

✓ Outpatient encounter ✓ Office visit

**See table L1**

**AND THEN**

**C HAPPENS AFTER**

All codes indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017, at least 1 day later (use last recorded date for each) , at least 1 day later

✓ Normal BP

**See table N2**

Happening during same encounter as the following

All codes indicating the following

**See table L2**

**AND**

**NONE OF THE FOLLOWING**

One code indicating the following

✓ Acute inpatient ✓ ED encounter

**See table L3**

**OR**

All codes indicating the following

✓ Surgical procedure ✓ Outpatient encounter ✓ Office visit

**See table L4**

**OR**

All codes indicating the following (use last recorded date for each)

✓ Normal BP

**See table L5**

**OR**

One code indicating the following (use last recorded date for each)

✓ Normal systolic

**See table L6**

**AND**

One code indicating the following (use last recorded date for each)

✓ Normal diastolic

**See table L7**

**AND THEN**

**C**

**DOES NOT HAPPEN AFTER**

One code indicating the following, at least 1 day later

✓ Any BP recorded

**See table L8**

AND THEN

 HAPPENS AFTER

All codes indicating the following, between 0 minutes and 1 day later

✓ Surgical procedure

See table L9

OR

One code indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017, at least 1 day later (use last recorded date for each) , at least 1 day later

✓ Normal systolic

See table N3

Happening during same encounter as the following

All codes indicating the following

See table L2

AND

**NONE OF THE FOLLOWING**

One code indicating the following

✓ Acute inpatient ✓ ED encounter

See table L3

OR

All codes indicating the following

✓ Surgical procedure ✓ Outpatient encounter ✓ Office visit

See table L4

OR

All codes indicating the following (use last recorded date for each)

✓ Normal BP

See table L5

OR

All codes indicating the following (use last recorded date for each)

✓ Normal systolic

See table L6

AND

All codes indicating the following (use last recorded date for each)

✓ Normal diastolic

See table L7

AND THEN

 DOES NOT HAPPEN AFTER

All codes indicating the following, at least 1 day later

✓ Any BP recorded

See table L8

AND THEN

 HAPPENS AFTER

All codes indicating the following, between 0 minutes and 1 day later

✓ Surgical procedure

See table L9

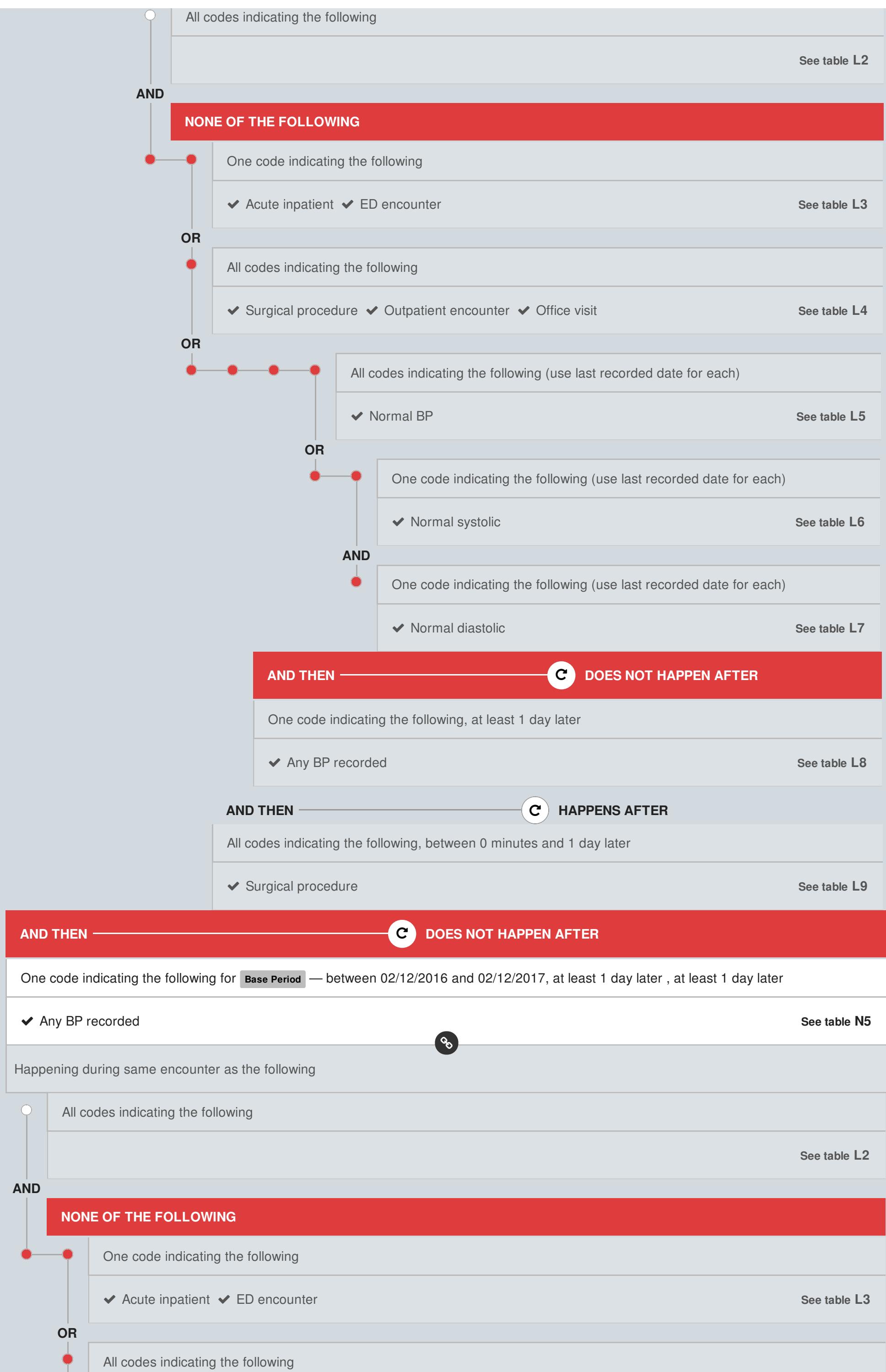
AND

One code indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017, at least 1 day later (use last recorded date for each) , at least 1 day later

✓ Normal diastolic

See table N4

Happening during same encounter as the following



✓ Surgical procedure ✓ Outpatient encounter ✓ Office visit

See table L4

OR



All codes indicating the following (use last recorded date for each)

✓ Normal BP

See table L5

OR



One code indicating the following (use last recorded date for each)

✓ Normal systolic

See table L6

AND



One code indicating the following (use last recorded date for each)

✓ Normal diastolic

See table L7

AND THEN



DOES NOT HAPPEN AFTER

One code indicating the following, at least 1 day later

✓ Any BP recorded

See table L8

AND THEN



HAPPENS AFTER

All codes indicating the following, between 0 minutes and 1 day later

✓ Surgical procedure

See table L9

OR



Between 60 and 85 years of age on end date of **Base Period** — 02/12/2017

AND



One code indicating the following for **Ever** — any time before 02/12/2017

AND



One code indicating the following for **Reporting Period Htnvisit** — between 02/12/2016 and 08/12/2016 (use first recorded date for each)

✓ Hypertension

See table N1



Happening during same encounter as the following



Happening during same encounter as the following

✓ Outpatient encounter ✓ Office visit

See table L1

AND THEN



HAPPENS AFTER

All codes indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017, at least 1 day later (use last recorded date for each), at least 1 day later

✓ Normal BP

See table N2



Happening during same encounter as the following

All codes indicating the following

See table L2

AND

**NONE OF THE FOLLOWING**

One code indicating the following

✓ Acute inpatient ✓ ED encounter

See table L3

**OR**

All codes indicating the following

✓ Surgical procedure ✓ Outpatient encounter ✓ Office visit

See table L4

**OR**

All codes indicating the following (use last recorded date for each)

✓ Normal BP

See table L5

**OR**

One code indicating the following (use last recorded date for each)

✓ Normal systolic

See table L6

**AND**

One code indicating the following (use last recorded date for each)

✓ Normal diastolic

See table L7

**AND THEN** —**C** **DOES NOT HAPPEN AFTER**

One code indicating the following, at least 1 day later

✓ Any BP recorded

See table L8

**AND THEN** —**C** **HAPPENS AFTER**

All codes indicating the following, between 0 minutes and 1 day later

✓ Surgical procedure

See table L9

**OR**One code indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017, at least 1 day later (use last recorded date for each) , at least 1 day later

✓ Normal systolic

See table N3

Happening during same encounter as the following

All codes indicating the following

See table L2

**AND****NONE OF THE FOLLOWING**

One code indicating the following

✓ Acute inpatient ✓ ED encounter

See table L3

**OR**

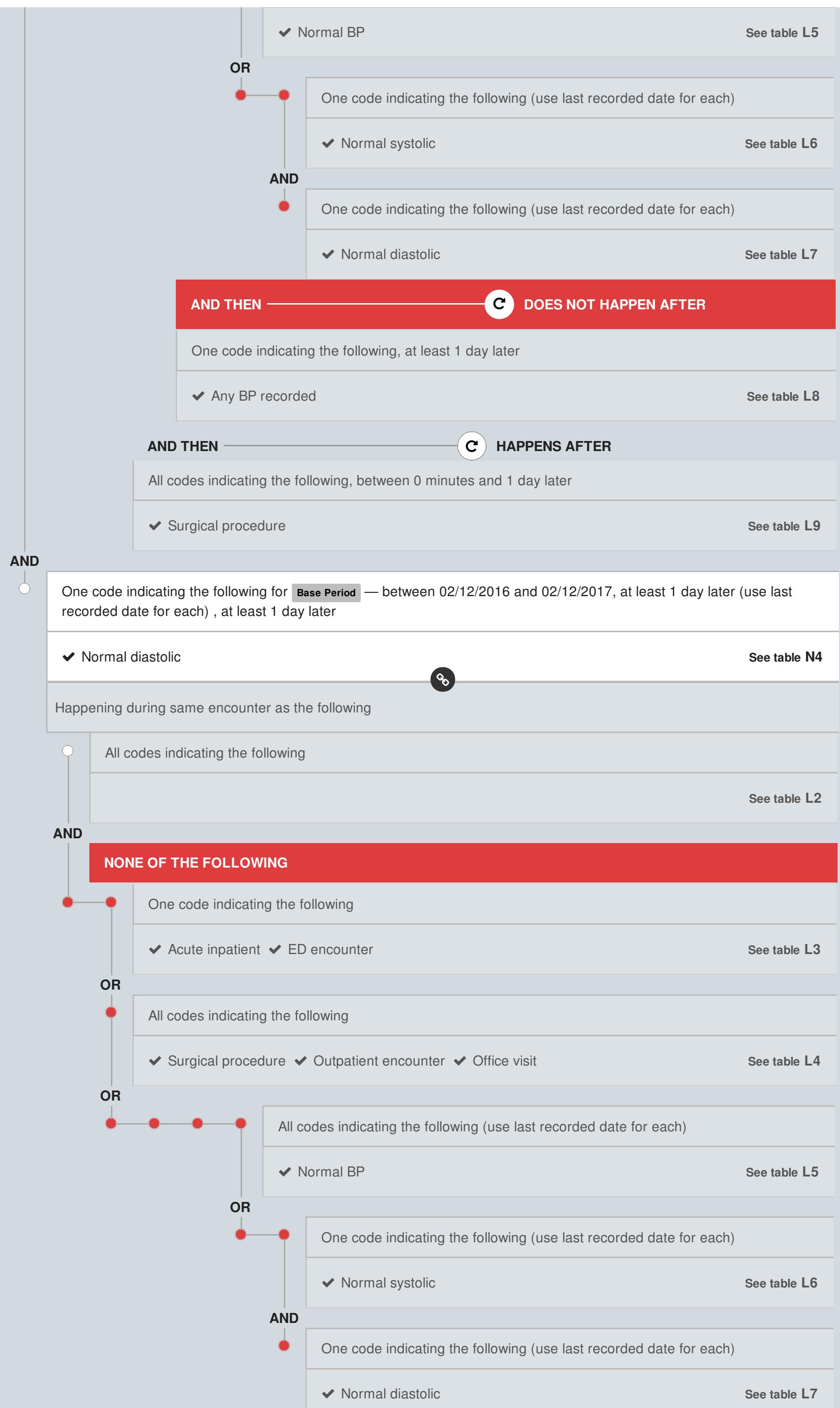
All codes indicating the following

✓ Surgical procedure ✓ Outpatient encounter ✓ Office visit

See table L4

**OR**

All codes indicating the following (use last recorded date for each)



AND THEN

 DOES NOT HAPPEN AFTER

One code indicating the following, at least 1 day later

✓ Any BP recorded

See table L8

AND THEN

 HAPPENS AFTER

All codes indicating the following, between 0 minutes and 1 day later

✓ Surgical procedure

See table L9

AND THEN

 DOES NOT HAPPEN AFTER

One code indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017, at least 1 day later , at least 1 day later

✓ Any BP recorded

See table N5

Happening during same encounter as the following

All codes indicating the following

See table L2

AND

**NONE OF THE FOLLOWING**

One code indicating the following

✓ Acute inpatient ✓ ED encounter

See table L3

OR

All codes indicating the following

✓ Surgical procedure ✓ Outpatient encounter ✓ Office visit

See table L4

OR

All codes indicating the following (use last recorded date for each)

✓ Normal BP

See table L5

One code indicating the following (use last recorded date for each)

✓ Normal systolic

See table L6

AND

One code indicating the following (use last recorded date for each)

✓ Normal diastolic

See table L7

AND THEN

 DOES NOT HAPPEN AFTER

One code indicating the following, at least 1 day later

✓ Any BP recorded

See table L8

AND THEN

 HAPPENS AFTER

All codes indicating the following, between 0 minutes and 1 day later

✓ Surgical procedure

See table L9

OR

Between 60 and 85 years of age on end date of **Base Period** — 02/12/2017

AND

### NONE OF THE FOLLOWING

One code indicating the following for **Ever** — any time before 02/12/2017

✓ Diabetes

See table **N6**

AND

One code indicating the following for **Reporting Period Htnvisit** — between 02/12/2016 and 08/12/2016 (use first recorded date for each)

✓ Hypertension

See table **N1**



Happening during same encounter as the following

Happening during same encounter as the following

✓ Outpatient encounter ✓ Office visit

See table **L1**

AND THEN

### C HAPPENS AFTER

All codes indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017, at least 1 day later (use last recorded date for each) , at least 1 day later

✓ Normal BP

See table **N7**



Happening during same encounter as the following

All codes indicating the following

See table **L2**

AND

### NONE OF THE FOLLOWING

One code indicating the following

✓ Acute inpatient ✓ ED encounter ✓ ED encounter

See table **L3**

OR

All codes indicating the following

✓ Surgical procedure ✓ Outpatient encounter ✓ Office visit

See table **L4**

OR

All codes indicating the following (use last recorded date for each)

✓ Normal BP

See table **L10**

OR

One code indicating the following (use last recorded date for each)

✓ Normal systolic

See table **L6**

AND

One code indicating the following (use last recorded date for each)

✓ Normal diastolic

See table **L7**

AND THEN

### C

### DOES NOT HAPPEN AFTER

One code indicating the following, at least 1 day later

✓ Any BP recorded

See table L8

AND THEN

C HAPPENS AFTER

All codes indicating the following, between 0 minutes and 1 day later

✓ Surgical procedure

See table L9

OR

One code indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017, at least 1 day later (use last recorded date for each) , at least 1 day later

✓ Normal systolic

See table N3

Happening during same encounter as the following

All codes indicating the following

See table L2

AND

**NONE OF THE FOLLOWING**

One code indicating the following

✓ Acute inpatient ✓ ED encounter ✓ ED encounter

See table L3

OR

All codes indicating the following

✓ Surgical procedure ✓ Outpatient encounter ✓ Office visit

See table L4

OR

All codes indicating the following (use last recorded date for each)

✓ Normal BP

See table L10

OR

One code indicating the following (use last recorded date for each)

✓ Normal systolic

See table L6

AND

One code indicating the following (use last recorded date for each)

✓ Normal diastolic

See table L7

AND THEN

C DOES NOT HAPPEN AFTER

One code indicating the following, at least 1 day later

✓ Any BP recorded

See table L8

AND THEN

C HAPPENS AFTER

All codes indicating the following, between 0 minutes and 1 day later

✓ Surgical procedure

See table L9

AND

One code indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017, at least 1 day later (use last recorded date for each) , at least 1 day later

✓ Normal diastolic

Happening during same encounter as the following

All codes indicating the following

See table L2

AND

**NONE OF THE FOLLOWING**

One code indicating the following

✓ Acute inpatient ✓ ED encounter ✓ ED encounter

See table L3

OR

All codes indicating the following

✓ Surgical procedure ✓ Outpatient encounter ✓ Office visit

See table L4

OR

All codes indicating the following (use last recorded date for each)

✓ Normal BP

See table L10

✓ Normal systolic

See table L6

AND

One code indicating the following (use last recorded date for each)

✓ Normal diastolic

See table L7

**AND THEN****C DOES NOT HAPPEN AFTER**

One code indicating the following, at least 1 day later

✓ Any BP recorded

See table L8

**AND THEN****C HAPPENS AFTER**

All codes indicating the following, between 0 minutes and 1 day later

✓ Surgical procedure

See table L9

**AND THEN****C DOES NOT HAPPEN AFTER**One code indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017, at least 1 day later , at least 1 day later

✓ Any BP recorded

See table N5

Happening during same encounter as the following

All codes indicating the following

See table L2

AND

**NONE OF THE FOLLOWING**

One code indicating the following

✓ Acute inpatient ✓ ED encounter ✓ ED encounter

See table L3

OR

All codes indicating the following

✓ Surgical procedure ✓ Outpatient encounter ✓ Office visit

See table L4

OR

All codes indicating the following (use last recorded date for each)

✓ Normal BP

See table L10

OR

One code indicating the following (use last recorded date for each)

✓ Normal systolic

See table L6

AND

One code indicating the following (use last recorded date for each)

✓ Normal diastolic

See table L7

AND THEN



DOES NOT HAPPEN AFTER

One code indicating the following, at least 1 day later

✓ Any BP recorded

See table L8

AND THEN



HAPPENS AFTER

All codes indicating the following, between 0 minutes and 1 day later

✓ Surgical procedure

See table L9

## Exclusion

One code indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017

[See table XCL1](#)



Happening during same encounter as the following

Happening during same encounter as the following

✓ Nonacute inpatient

[See table L11](#)

OR

One code indicating the following for **Ever** — any time before 02/12/2017

✓ End-stage renal disease ✓ ESRD Obsolete ✓ Kidney transplant

[See table XCL2](#)

OR

One code indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017

✓ Pregnant

[See table XCL3](#)

## Reference Tables

### Linked Encounter Reference Tables

**L1**

✓ Outpatient encounter ✓ Office visit

#### Encounter

##### Custom Codes

Encounter: OFFICE\_VISIT, Encounter: OUTPATIENT

##### Procedure

##### CPT

99201, 99202, 99203, 99204, 99205, 99211, 99212, 99213, 99214, 99215, 99241, 99242, 99243, 99244, 99245, 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350, 99381, 99382, 99383, 99384, 99385, 99386, 99387, 99391, 99392, 99393, 99394, 99395, 99396, 99397, 99401, 99402, 99403, 99404, 99411, 99412, 99420, 99429, 99455, 99456

**L2**

#### Encounter

**L3**

✓ Acute inpatient ✓ ED encounter

#### Encounter

##### Custom Codes

Encounter: EMERGENCY

##### Procedure

##### CPT

99221, 99222, 99223, 99231, 99232, 99233, 99238, 99239, 99251, 99252, 99253, 99254, 99255, 99281, 99282, 99283, 99284, 99285, 99291

**L4**

✓ Surgical procedure ✓ Outpatient encounter ✓ Office visit

#### Encounter

##### Custom Codes

Encounter: OFFICE\_VISIT, Encounter: OUTPATIENT

##### Procedure

##### SNOMED

387713003

**L5**

✓ Normal BP

#### Bpdiastolic

##### Custom Codes

BP Diastolic: [max: 89.99]

#### Bpsystolic

##### Custom Codes

BP Systolic: [max: 139.99]

**L6**

✓ Normal systolic

#### Procedure

CPT	HCPCS
3074F, 3075F	G8919

L7	✓ Normal diastolic
<b>Procedure</b>	
CPT	HCPCS
3078F, 3079F	G8922

L8	✓ Any BP recorded
<b>Bpdiastolic</b>	
<b>Custom Codes</b>	
BP Diastolic: []	
Procedure	
CPT	HCPCS
3074F, 3075F, 3077F, 3078F, 3079F, 3080F	G8919, G8922

L9	✓ Surgical procedure
<b>Procedure</b>	
<b>SNOMED</b>	
387713003	

L10	✓ Normal BP
<b>Bpdiastolic</b>	
<b>Custom Codes</b>	
BP Diastolic: [max: 89.99]	
<b>Bpsystolic</b>	
<b>Custom Codes</b>	
BP Systolic: [max: 149.99]	

L11	✓ Nonacute inpatient
<b>Procedure</b>	
<b>CPT</b>	
99304, 99305, 99306, 99307, 99308, 99309, 99310, 99315, 99316, 99318, 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99337	

## Denominator Reference Tables

<b>D1</b>	✓ Hypertension
	<b>Diagnosis</b>
	<b>ICD-9</b>
	401.0, 401.1, 401.9

## Numerator Reference Tables

N1	✓ Hypertension	
	<b>Diagnosis</b>	
	<b>ICD-9</b>	
	401.0, 401.1, 401.9	
N2	✓ Normal BP	
	<b>Bpdiastolic</b>	
	<b>Custom Codes</b>	
	BP Diastolic: [max: 89.99]	
	<b>Bpsystolic</b>	
	<b>Custom Codes</b>	
N3	BP Systolic: [max: 139.99]	
	✓ Normal systolic	
	<b>Procedure</b>	
	<b>CPT</b>	<b>HCPCS</b>
	3074F, 3075F	G8919
N4	✓ Normal diastolic	
	<b>Procedure</b>	
	<b>CPT</b>	<b>HCPCS</b>
	3078F, 3079F	G8922
N5	✓ Any BP recorded	
	<b>Bpdiastolic</b>	
	<b>Custom Codes</b>	
	BP Diastolic: []	
	<b>Procedure</b>	
	<b>CPT</b>	<b>HCPCS</b>
	3074F, 3075F, 3077F, 3078F, 3079F, 3080F	G8919, G8922
N6	✓ Diabetes	
	<b>Diagnosis</b>	
	<b>ICD-9</b>	
	250, 250.0, 250.00, 250.01, 250.02, 250.03, 250.1, 250.10, 250.11, 250.12, 250.13, 250.2, 250.20, 250.21, 250.22, 250.23, 250.3, 250.30, 250.31, 250.32, 250.33, 250.4, 250.40, 250.41, 250.42, 250.43, 250.5, 250.50, 250.51, 250.52, 250.53, 250.6, 250.60, 250.61, 250.62, 250.63, 250.7, 250.70, 250.71, 250.72, 250.73, 250.8, 250.80, 250.81, 250.82, 250.83, 250.9, 250.90, 250.91, 250.92, 250.93, 357.2, 362.0, 362.01, 362.02, 362.03, 362.04, 362.05, 362.06, 362.07, 366.41, 648.0, 648.00, 648.01, 648.02, 648.03, 648.04	
N7	✓ Normal BP	
	<b>Bpdiastolic</b>	

**Custom Codes**

BP Diastolic: [max: 89.99]

**Bpsystolic****Custom Codes**

BP Systolic: [max: 149.99]

## Exclusions Reference Tables

<b>XCL1</b>	<b>Admission</b>					
	<b>Custom Codes</b>					
	Admission Date: ADMISSION					
<b>XCL2</b>	✓ End-stage renal disease ✓ ESRD Obsolete ✓ Kidney transplant					
	<b>Procedure</b>					
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">CPT</th><th style="width: 20%;">HCPCS</th><th style="width: 40%;">ICD-9</th></tr> </thead> <tbody> <tr> <td>36145, 36147, 36800, 36810, 36815, 36818, 36819, 36820, 36821, 36831, 36832, 36833, 50300, 50320, 50340, 50360, 50365, 50370, 50380, 90919, 90920, 90921, 90923, 90924, 90925, 90935, 90937, 90940, 90945, 90947, 90957, 90958, 90959, 90960, 90961, 90962, 90965, 90966, 90969, 90970, 90989, 90993, 90997, 90999, 99512</td><td>G0257, G0308, G0309, G0310, G0311, G0312, G0313, G0314, G0315, G0316, G0317, G0318, G0319, G0321, G0322, G0323, G0325, G0326, G0327, G0392, G0393, S2065, S9339</td><td>38.95, 39.27, 39.42, 39.43, 39.53, 39.93, 39.94, 39.95, 54.98, 55.61, 55.69</td></tr> </tbody> </table>	CPT	HCPCS	ICD-9	36145, 36147, 36800, 36810, 36815, 36818, 36819, 36820, 36821, 36831, 36832, 36833, 50300, 50320, 50340, 50360, 50365, 50370, 50380, 90919, 90920, 90921, 90923, 90924, 90925, 90935, 90937, 90940, 90945, 90947, 90957, 90958, 90959, 90960, 90961, 90962, 90965, 90966, 90969, 90970, 90989, 90993, 90997, 90999, 99512	G0257, G0308, G0309, G0310, G0311, G0312, G0313, G0314, G0315, G0316, G0317, G0318, G0319, G0321, G0322, G0323, G0325, G0326, G0327, G0392, G0393, S2065, S9339
CPT	HCPCS	ICD-9				
36145, 36147, 36800, 36810, 36815, 36818, 36819, 36820, 36821, 36831, 36832, 36833, 50300, 50320, 50340, 50360, 50365, 50370, 50380, 90919, 90920, 90921, 90923, 90924, 90925, 90935, 90937, 90940, 90945, 90947, 90957, 90958, 90959, 90960, 90961, 90962, 90965, 90966, 90969, 90970, 90989, 90993, 90997, 90999, 99512	G0257, G0308, G0309, G0310, G0311, G0312, G0313, G0314, G0315, G0316, G0317, G0318, G0319, G0321, G0322, G0323, G0325, G0326, G0327, G0392, G0393, S2065, S9339	38.95, 39.27, 39.42, 39.43, 39.53, 39.93, 39.94, 39.95, 54.98, 55.61, 55.69				
<b>XCL3</b>	✓ Pregnant					
	<b>Diagnosis</b>					
	<b>ICD-9</b>					
630, 631, 631.0, 631.8, 632, 633, 633.0, 633.00, 633.01, 633.1, 633.10, 633.11, 633.2, 633.20, 633.21, 633.8, 633.80, 633.81, 633.9, 633.90, 633.91, 634, 634.0, 634.00, 634.01, 634.02, 634.1, 634.10, 634.11, 634.12, 634.2, 634.20, 634.21, 634.22, 634.3, 634.30, 634.31, 634.32, 634.4, 634.40, 634.41, 634.42, 634.5, 634.50, 634.51, 634.52, 634.6, 634.60, 634.61, 634.62, 634.7, 634.70, 634.71, 634.72, 634.8, 634.80, 634.81, 634.82, 634.9, 634.90, 634.91, 634.92, 635, 635.0, 635.00, 635.01, 635.02, 635.1, 635.10, 635.11, 635.12, 635.2, 635.20, 635.21, 635.22, 635.3, 635.30, 635.31, 635.32, 635.4, 635.40, 635.41, 635.42, 635.5, 635.50, 635.51, 635.52, 635.6, 635.60, 635.61, 635.62, 635.7, 635.70, 635.71, 635.72, 635.8, 635.80, 635.81, 635.82, 635.9, 635.90, 635.91, 635.92, 636, 636.0, 636.00, 636.01, 636.02, 636.1, 636.10, 636.11, 636.12, 636.2, 636.20, 636.21, 636.22, 636.3, 636.30, 636.31, 636.32, 636.4, 636.40, 636.41, 636.42, 636.5, 636.50, 636.51, 636.52, 636.6, 636.60, 636.61, 636.62, 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## Reference Periods

START	STOP
12:00:01 AM	12:00:00 AM
01/01/2015	02/01/2015

Different criteria in each measure require that records occur during a precise time period. Note that all dates begin at midnight.

## Operators

Operators describe what criteria is needed for a measure. They include:

AND

Both criteria above and below the line must be met

OR

Either criteria above or below the line must be met

### NONE OF THE FOLLOWING

The criteria following this are negated — they must not have occurred

## Expressions

You will encounter certain expressions that denote a specific relationship between criteria. They include:



Linked Encounter

Indicates that the criteria listed above must have occurred during the same encounter as the criteria that immediately follows

AND THEN

 HAPPENS AFTER

Indicates that the criteria must have occurred in a certain sequence. The criteria that follows must have occurred after the criteria listed above

AND THEN

 HAPPENED PREVIOUSLY

Reverse sequence — the criteria that follows must have occurred before the criteria listed above

PLUS

 COUNT INSTANCES

The first criteria specifies what must be on the patient record. The criteria below is then counted for that patient