**Appendix 1:** Vaccine eligibility criteria.

**Influenza Vaccination**

**DESCRIPTION:**

Percentage of patients aged 18 years or older seen during a visit between October 1 and March 31 who received an influenza vaccination OR who reported previous receipt of an influenza vaccination.

**INSTRUCTIONS:**

This measure is used to assess the percentage of patients, 18 years or older, who received their influenza vaccination during the appropriate flu season.

**Definitions:**

Appropriate Flu Season

- For visits between January 1 and March 31 of the reporting year, the immunization needs to have been ordered or administered during the flu season August of the year prior to the reporting year through March of the reporting year.

- For visits between October 1 and December 31 of the reporting year, the immunization needs to have been ordered or administered during August through December of the reporting year.

Previous Receipt

Receipt of the current season’s influenza immunization from another provider OR from same provider prior to the visit to which the measure is applied (typically, prior vaccination would include influenza vaccine given since August 1st).

Performance Exclusion

Influenza vaccination not received with reason(s) documented (e.g., patient allergy or other medical reasons, patient declined or other patient reasons, vaccine not available or other system reasons).

**DENOMINATOR:**

Patients aged 18 years or older seen for a visit between October 1 and March 31 with a valid patient encounter code.

**DENOMINATOR Criteria (Eligible Cases):**

Patients aged ≥ 18 years old on date of encounter seen for a visit between October 1 and March 31

**AND**

**Valid patient encounter codes (CPT or HCPCS):** 90945, 90947, 90951, 90952, 90953, 90954, 90955, 90956, 90957, 90958, 90959, 90960, 90961, 90962, 90963, 90964, 90965, 90966, 90967, 90968, 90969, 90970, 99201, 99202, 99203, 99204, 99205, 99211, 99212, 99213, 99214, 99215, 99304, 99305, 99306, 99307, 99308, 99309, 99310, 99315, 99316, 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99337, 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350, 99356, 99357, G0402, G0438, G0439

**NUMERATOR:**

Patients who received an influenza vaccination OR reported previous receipt of an influenza vaccination.

**Performance Met:**

HCPCS: G8482

CPT: 90673, 90661, 90672, 90656, 90658, 90686, 90688, 90654, 90662

CVX: 135, 140, 141, 144, 149, 150, 153, 155, 158

RxNorm: 1537517, 1537520, 1537522, 1537525, 1543767, 1543771, 1537481, 1537484, 1537500, 1537503, 1537510, 1537513, 1537547, 1537550, 1537541, 1537544, 1537536, 1537539, 1537557, 1537560, 1537528, 1537531, 1543403, 1543406, 1541623, 1541626

Medicare Billing: Q2033, Q2035, Q2036, Q2037, Q2038

**OR**

**Performance Exclusion:**

HCPCS: G8483

**OR**

**Performance Not Met:**

HCPCS: G8484

**Pneumonia Vaccination Status for Older Adults (≥ 65 PneumoM3)**

**DESCRIPTION:**

Percentage of older adults ≥ 65 years with a record of receiving BOTH one PCV13 AND at least one PPSV23 vaccine.

**INSTRUCTIONS:**

This measure is used to assess the percentage of older adults ≥ 65 years who have received one PCV13 AND at least one PPSV23 vaccine.

**DENOMINATOR:**

Patients aged ≥ 65 with a valid patient encounter code.

**DENOMINATOR Criteria (Eligible Cases):**

Patients aged ≥ 65 years on date of encounter

**AND**

**Valid patient encounter codes (CPT or HCPCS):** 90945, 90947, 90951, 90952, 90953, 90954, 90955, 90956, 90957, 90958, 90959, 90960, 90961, 90962, 90963, 90964, 90965, 90966, 90967, 90968, 90969, 90970, 99201, 99202, 99203, 99204, 99205, 99211, 99212, 99213, 99214, 99215, 99304, 99305, 99306, 99307, 99308, 99309, 99310, 99315, 99316, 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99337, 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350, 99356, 99357, G0402, G0438, G0439

**NUMERATOR:**

Patients > 65 who have ever received BOTH PCV13 at any age) and PPSV23 (after the age of 65 within the last 5 years).

**Performance Met:**

CPT: 90732 (PPSV23)

 90670 (PCV13)

CVX: 33 (PPSV23)

133 (PCV13)

RxNorm: 287523, 1182409

NDC codes:

00005-1971-02 Prevnar 13 (Pneumococcal 13-Valent (5) Adult)

00006-4837-03 Pneumovax 23 (Pneumococcal Polysaccharide (23 Valent)

00006-4943-00 Pneumovax 23 (Pneumococcal Polysaccharide (23 Valent)

**OR**

**Performance Not Met:**

CPT II: 4040F-8P (Pneumococcal vaccine was not administered or previously received, reason not otherwise specified)

HCPCS: G8867 (Pneumococcal vaccine not administered or previously received, reason not given)

**High Risk Pneumococcal Vaccination**

**DESCRIPTION:**

The percentage of patients aged 19 through 64 with a high-risk condition, who either received a pneumococcal vaccination OR who reported previous receipt of a pneumococcal vaccination.

**INSTRUCTIONS:**

This measure is used to assess the percentage of adult patients aged 19 through 64 with a high-risk condition, who are up-to-date with their pneumococcal vaccination - with either PPSV23 alone (e.g., if immunocompetent with chronic disease) or both PCV13 and PPSV23 (e.g., if immunocompromised).

**Definition:**

Patient Performance Exclusion

Pneumococcal vaccination not received with patient reason(s) documented (e.g., patient refusal).

**DENOMINATOR:**

Patient aged 19 through 64 with a valid patient encounter code and any of the following high-risk medical conditions on his or her Problem List (from ACIP, 2012): Chronic heart disease† (including congestive heart failure and cardiomyopathies, excluding hypertension); chronic lung disease§ (including chronic obstructive pulmonary disease, emphysema, and asthma); diabetes mellitus; cerebrospinal fluid leak; cochlear implant; alcoholism; chronic liver disease, cirrhosis; cigarette smoking; sickle cell disease or other hemoglobinopathy; congenital or acquired asplenia; congenital or acquired immunodeficiency; HIV; chronic renal failure; nephrotic syndrome; leukemia; lymphoma; Hodgkin disease; generalized malignancy; iatrogenic immunosuppression (treatment with immunosuppressive drugs); solid organ transplant; multiple myeloma.

**Denominator Criteria (Eligible Cases):**

Patients aged 19 through 64 on date of encounter.

**AND**

**One of the following diagnosis codes indicating heart failure:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93, 428.0, 428.1, 428.20, 428.21, 428.22, 428.23, 428.30, 428.31, 428.32, 428.33, 428.40, 428.41, 428.42, 428.43, 428.9 | I11.0, I13.0, I13.2, I50.1, I50.20, I50.21, I50.22, I50.23, I50.30, I50.31, I50.32, I50.33, I50.40, I50.41, I50.42, I50.43, I50.9 |

**OR**

**One of the following diagnosis codes indicating cardiomyopathy:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 425.0, 425.1, 425.2, 425.3, 425.4, 425.5, 425.7, 425.8 425.9 | I42.0, I42.1, I42.2, I42.3, I42.4, I42.5, I42.6, I42.7, I42.8, I42.9, I43 |

**OR**

**One of the following diagnosis codes indicating coronary atherosclerosis and other forms of chronic heart disease:**

|  |  |
| --- | --- |
| 412, 414, 414.0, 414.00, 414.01, 414.02, 414.03, 414.04, 414.05, 414.06, 414.07, 414.1, 414.10, 414.11, 414.12, 414.19, 414.2, 414.3, 414.4, 414.8, 414.9, V458.1, V458.2  | [I25](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25), [I25.1](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.1), [I25.10](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.10), [I25.11](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.11), [I25.110](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.110), [I25.111](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.111), [I25.118](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.118), [I25.119](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.119), [I25.2](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.2) ,[I25.3](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.3), [I25.4](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.4), [I25.41](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.41), [I25.42](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.42) ,[I25.5](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.5), [I25.6](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.6), [I25.7](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.7), [I25.70](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.70), [I25.700](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.700), [I25.701](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.701), [I25.708](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.708), [I25.709](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.709), [I25.71](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.71), [I25.710](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.710), [I25.711](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.711), [I25.718](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.718), [I25.719](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.719), [I25.72](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.72), [I25.720](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.720), [I25.721](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.721), [I25.728](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.728), [I25.729](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.729), [I25.73](http://www.icd10data.com/ICD10CM/Codes/I00-I99/I20-I25/I25-/I25.73), I25.730, I25.731, I25.738, I25.739, I25.75, I25.750, I25.751, I25.758, I25.759, I25.76, I25.760, I25.761, I25.768, I25.769, I25.79, I25.790, I25.791, I25.798, I25.799, I25.8, I25.81, I25.811, I25.812, I25.82, I25.83, I25.84, I25.89, I25.9 |

**OR**

**One of the following diagnosis codes indicating COPD:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 491.0, 491.1, 491.20, 491.21, 491.22, 491.8, 491.9, 492.0, 492.8, 493.20, 493.21, 493.22, 496 | J41.0, J41.1, J41.8, J42, J43.0, J43.1, J43.2, J43.8, J43.9, J44.0, J44.1, J44.9 |

**OR**

**One of the following diagnosis codes indicating asthma:**

|  |  |
| --- | --- |
| 493.00, 493.01, 493.02, 493.10, 493.11, 493.12, 493.20, 493.21, 493.22, 493.81, 493.82, 493.90, 493.91, 493.92,  | J44.0, J44.1, J44.9, J45.2, J45.20, J45.21, J45.22, J45.3, J45.30, J45.31, J45.32, J45.4, J45.40, J45.41, J45.42, J45.5, J45.50, J45.51, J45.52, J45.9, J45.90, J45.901, J45.902, J45.99, J45.990, J45.991, J45.998,  |

**OR**

**One of the following diagnosis codes indicating cystic fibrosis:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 277.0, 277.00, 277.01, 277.02, 277.03, 277.09 | E84, E84.0, E84.1, E84.11, E84.19, E84.8, E84.9 |

**OR**

**One of the following diagnosis codes indicating diabetes:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 250.00, 250.01, 250.02, 250.03, 250.10, 250.11, 250.12, 250.13, 250.20, 250.21, 250.22, 250.23, 250.30, 250.31, 250.32, 250.33, 250.40, 250.41, 250.42, 250.43, 250.50, 250.51, 250.52, 250.53, 250.60, 250.61, 250.62, 250.63, 250.70, 250.71, 250.72, 250.73, 250.80, 250.81, 250.82, 250.83, 250.90, 250.91, 250.92, 250.93 | E10.10, E10.11, E10.21, E10.22, E10.29, E10.311, E10.319, E10.321, E10.329, E10.331, E10.339, E10.341, E10.349, E10.351, E10.359, E10.36, E10.39, E10.40, E10.41, E10.42, E10.43, E10.44, E10.49, E10.51, E10.52, E10.59, E10.610, E10.618, E10.620, E10.621, E10.622, E10.628, E10.630, E10.638, E10.641, E10.649, E10.65, E10.69, E10.8, E10.9, E11.00, E11.01, E11.21, E11.22, E11.29, E11.311, E11.319, E11.321, E11.329, E11.331, E11.339, E11.341, E11.349, E11.351, E11.359, E11.36, E11.39, E11.40, E11.41, E11.42, E11.43, E11.44, E11.49, E11.51, E11.52, E11.59, E11.610, E11.618, E11.620, E11.621, E11.622, E11.628, E11.630, E11.638, E11.641, E11.649, E11.65, E11.69, E11.8, E11.9 |

**OR**

**One of the following diagnosis codes indicating cerebrospinal fluid leak:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 997.09, 349.0,349.89, 349.9, 349.1, 997.01, 997.09 | G97.0, G97.1, G98.8, G97.82, G96.0 |

**OR**

**One of the following diagnosis codes indicating cochlear implant:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| V43.89, V45.89 | Z96.21, Z96.20 |

**OR**

**One of the following diagnosis codes indicating alcoholism:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 303, 303.0, 303.01, 303.02, 303.03, 303.9, 303.90, 303.91, 303.92, 303.93,  | F10.1, F10.10, F10.12, F10.120, F10.121, F10.129, F10.14, F10.15, F10.150, F10.151, F10.159, F10.18, F10.180, F10.181, F10.182, F10.188, F10.19, F10.2, F10.20, F10.21, F10.229, F10.23, F10.230, F10.231, F10.232, F10.239, F10.24, F10.25, F10.250, F10.251, F10.259, F10.26, F10.27, F10.28, F10.280, F10.281, F10.282, F10.288, F10.29, F10.9, F10.92, F10.920, F10.921, F10.929, F10.94, F10.95, F10.950, F10.951, F10.959, F10.96, F10.97, F10.98, F10.981, F10.982, F10.988, F10.99 |

**OR**

**One of the following diagnosis codes indicating chronic liver disease:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 571.0, 571.0, 571.1, 571.2, 571.3, 571.4, 571.40, 571.41, 571.42, 571.49, 571.5, 571.6, 571.8, 571.9, 572.8  |  K70.0, K70.1,K70.10, K70.11, K70.2, K70.3, K70.30, K70.31, K70.4,K70.40, K70.41, K70.9, K72.1, K72.10, K72.11, K72.9, K72.90, K72.91, K73.0,K73.1,K73.2, K73.8,K73.9, K74.0,K74.1, K74.2, K74.3, K74.4,K74.5, K74.6, K74.60, K74.69, K75.0, K75.1, K75.2, K75.3, K75.4, K75.8, K75.81, K75.89, K75.9, K76.0, K76.1, K76.2, K76.3, K76.4, K76.5, K76.6, K76.7, K76.8, K76.81, K76.89, K76.9, K77 |

**OR**

**One of the following diagnosis codes indicating cigarette smoking:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| **305.1** | **F17.200** |

**OR**

**One of the following diagnosis codes indicating sickle cell (Thalasemia)/other hemoglobinopathy:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 282.4, 282.40, 282.41, 282.42, 282.43, 282.44, 282.45, 282.46, 282.47, 282.49, 282.5, 282.6, 282.60, 282.61, 282.62, 282.63, 282.63, 282.64, 282.68, 282.69, 282.7, 282.8, 282.9 | D55, D55.0, D55.1, D55.2, D55.3, D55.8, D55.9, D56, D56.0, D56.1, D56.2, D56.3, D56.4, D56.5, D56.8, D56.9, D57, D57.0, D57.00, D57.01, D57.02, D57.1, D57.2, D57.20, D57.21, D57.211, D57.212, D57.219, D57.3, D57.4, D57.40, D57.41, D57.411, D57.412, D57.419, D57.8, D57.81, D57.811, D57.812, D57.819, D58, D58.0, D58.1, D58.2, D58.8, D58.9, D59, D59.0, D59.1, D59.2, D59.3, D59.4, D59.5, D59.6, D59.8, D59.9 |

**OR**

**One of the following diagnosis codes indicating asplenia:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| **759.0** | **Q89.01** |

**OR**

**One of the following diagnosis codes indicating congenital or acquired immunodeficiency:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 279, 279.0, 279.00, 279.01, 279.02, 279.03, 279.04, 279.05, 279.06, 279.09, 279.1, 279.10, 279.12, 279.13, 279.19, 279.2, 279.3 | D80, D80.0, D80.1, D80.2, D80.3, D80.4, D80.5, D80.6, D80.7, D80.8, D80.9, D81, D81.0, D81.1, D81.2, D81.3, D81.4, D81.5, D81.6, D81.7, D81.8, D81.81, D81.810, D81.818, D81.819, D81.89, D81.9, D82, D82.0, D82.1, D82.2, D82.3, D82.4, D82.8, D82.9, D83, D83.0, D83.1, D83.2, D83.1, D83.2, D83.8, D83.9, D84, D84.0, D84.1, D84.8, D84.9, D89 |

**OR**

**One of the following diagnosis codes indicating HIV/AIDS:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 042, V08 | B20, Z21 |

**OR**

**One of the following diagnosis codes indicating end stage renal disease:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 585.6 | N18.6 |

**OR**

**One of the following diagnosis codes indicating chronic dialysis:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| V45.11 | Z99.2 |

**OR**

**One of the following diagnosis codes indicating nephrotic syndrome or chronic kidney disease stage 5:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 581.0, 581.1, 581.2, 581.3, 581.81, 581.89, 581.9, V13.03, 585.5 | N00.0, N00.1, N00.2, N00.3, N00.4, N00.5, N00.6, N00.7, N00.8, N00.9, N01.0, N01.1, N01.2, N01.3, N01.4, N01.5, N01.6, N01.7, N01.8, N01.9, N03.0,N03.1, N03.2, N03.3, N03.4, N03.5, N03.6, N03.7, N03.8, N03.9, N04.0, N04.1, N04.2, N04.3, N04.4, N04.5, N04.6, N04.7, N04.8, N04.9, N05.0, N05.1, N05.2, N05.3, N05.4, N05.5, N05.6, N05.7, N05.8, N05.9, Z87.441 |

**OR**

**One of the following diagnosis codes indicating malignant cancer (lymphoma/Hodgkin/leukemia/multiple myeloma):**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| 140.0, 140.1, 140.3, 140.4, 140.5, 140.6, 140.8, 140.9, 141.0, 141.1, 141.2, 141.3, 141.4, 141.5, 141.6, 141.8, 141.9, 142.0, 142.1, 142.2, 142.8, 142.9, 143.0, 143.1, 143.8, 143.9, 144.0, 144.1, 144.8, 144.9, 145.0, 145.1, 145.2, 145.3, 145.4, 145.5, 145.6, 145.8, 145.9, 146.0, 146.1, 146.2, 146.3, 146.4, 146.5, 146.6, 146.7, 146.8, 146.9, 147.0, 147.1, 147.2, 147.3, 147.8, 147.9, 148.0, 148.1, 148.2, 148.3, 148.8, 148.9, 149.0, 149.1, 149.8, 149.9, 150.0, 150.1, 150.2, 150.3, 150.4, 150.5, 150.8, 150.9, 151.0, 151.1, 151.2, 151.3, 151.4, 151.5, 151.6, 151.8, 151.9, 152.0, 152.1, 152.2, 152.3, 152.8, 152.9, 153.0, 153.1, 153.2, 153.3, 153.4, 153.5, 153.6, 153.7, 153.8, 153.9, 154.0, 154.1, 154.2, 154.3, 154.8, 155.0, 155.1, 155.2, 156.0, 156.1, 156.2, 156.8, 156.9, 157.0, 157.1, 157.2, 157.3, 157.4, 157.8, 157.9, 158.0, 158.8, 158.9, 159.0, 159.1, 159.8, 159.9, 160.0, 160.1, 160.2, 160.3, 160.4, 160.5, 160.8, 160.9, 161.0, 161.1, 161.2, 161.3, 161.8, 161.9, 162.0, 162.2, 162.3, 162.4, 162.5, 162.8, 162.9, 163.0, 163.1, 163.8, 163.9, 164.0, 164.1, 164.2, 164.3, 164.8, 164.9, 165.0, 165.8, 165.9, 170.0, 170.1, 170.2, 170.3, 170.4, 170.5, 170.6, 170.7, 170.8, 170.9, 171.0, 171.2, 171.3, 171.4, 171.5, 171.6, 171.7, 171.8, 171.9, 172.0, 172.1, 172.2, 172.3, 172.4, 172.5, 172.6, 172.7, 172.8, 172.9, 173.00, 173.01, 173.02, 173.09, 173.10, 173.11, 173.12, 173.19, 173.20, 173.21, 173.22, 173.29, 173.30, 173.31, 173.32, 173.39, 173.40, 173.41, 173.42, 173.49, 173.50, 173.51, 173.52, 173.59, 173.60, 173.61, 173.62, 173.69, 173.70, 173.71, 173.72, 173.79, 173.80, 173.81, 173.82, 173.89, 173.90, 173.91, 173.92, 173.99, 174.0, 174.1, 174.2, 174.3, 174.4, 174.5, 174.6, 174.8, 174.9, 175.0, 175.9, 176.0, 176.1, 176.2, 176.3, 176.4, 176.5, 176.8, 176.9, 179, 180.0, 180.1, 180.8, 180.9, 181, 182.0, 182.1, 182.8, 183.0, 183.2, 183.3, 183.4, 183.5, 183.8, 183.9, 184.0, 184.1, 184.2, 184.3, 184.4, 184.8, 184.9, 185, 186.0, 186.9, 187.1, 187.2, 187.3, 187.4, 187.5, 187.6, 187.7, 187.8, 187.9, 188.0, 188.1, 188.2, 188.3, 188.4, 188.5, 188.6, 188.7, 188.8, 188.9, 189.0, 189.1, 189.2, 189.3, 189.4, 189.8, 189.9, 190.0, 190.1, 190.2, 190.3, 190.4, 190.5, 190.6, 190.7, 190.8, 190.9, 191.0, 191.1, 191.2, 191.3, 191.4, 191.5, 191.6, 191.7, 191.8, 191.9, 192.0, 192.1, 192.2, 192.3, 192.8, 192.9, 193, 194.0, 194.1, 194.3, 194.4, 194.5, 194.6, 194.8, 194.9, 195.0, 195.1, 195.2, 195.3, 195.4, 195.5, 195.8, 196.0, 196.1, 196.2, 196.3, 196.5, 196.6, 196.8, 196.9, 197.0, 197.1, 197.2, 197.3, 197.4, 197.5, 197.6, 197.7, 197.8, 198.0, 198.1, 198.2, 198.3, 198.4, 198.5, 198.6, 198.7, 198.81, 198.82, 198.89, 199.0, 199.1, 199.2, 200.00, 200.01, 200.02, 200.03, 200.04, 200.05, 200.06, 200.07, 200.08, 200.10, 200.11, 200.12, 200.13, 200.14, 200.15, 200.16, 200.17, 200.18, 200.20, 200.21, 200.22, 200.23, 200.24, 200.25, 200.26, 200.27, 200.28, 200.30, 200.31, 200.32, 200.33, 200.34, 200.35, 200.36, 200.37, 200.38, 200.40, 200.41, 200.42, 200.43, 200.44, 200.45, 200.46, 200.47, 200.48, 200.50, 200.51, 200.52, 200.53, 200.54, 200.55, 200.56, 200.57, 200.58, 200.60, 200.61, 200.62, 200.63, 200.64, 200.65, 200.66, 200.67, 200.68, 200.70, 200.71, 200.72, 200.73, 200.74, 200.75, 200.76, 200.77, 200.78, 200.80, 200.81, 200.82, 200.83, 200.84, 200.85, 200.86, 200.87, 200.88, 201.00, 201.01, 201.02, 201.03, 201.04, 201.05, 201.06, 201.07, 201.08, 201.10, 201.11, 201.12, 201.13, 201.14, 201.15, 201.16, 201.17, 201.18, 201.20, 201.21, 201.22, 201.23, 201.24, 201.25, 201.26, 201.27, 201.28, 201.40, 201.41, 201.42, 201.43, 201.44, 201.45, 201.46, 201.47, 201.48, 201.50, 201.51, 201.52, 201.53, 201.54, 201.55, 201.56, 201.57, 201.58, 201.60, 201.61, 201.62, 201.63, 201.64, 201.65, 201.66, 201.67, 201.68, 201.70, 201.71, 201.72, 201.73, 201.74, 201.75, 201.76, 201.77, 201.78, 201.90, 201.91, 201.92, 201.93, 201.94, 201.95, 201.96, 201.97, 201.98, 202.00, 202.01, 202.02, 202.03, 202.04, 202.05, 202.06, 202.07, 202.08, 202.10, 202.11, 202.12, 202.13, 202.14, 202.15, 202.16, 202.17, 202.18, 202.20, 202.21, 202.22, 202.23, 202.24, 202.25, 202.26, 202.27, 202.28, 202.30, 202.31, 202.32, 202.33, 202.34, 202.35, 202.36, 202.37, 202.38, 202.40, 202.41, 202.42, 202.43, 202.44, 202.45, 202.46, 202.47, 202.48, 202.50, 202.51, 202.52, 202.53, 202.54, 202.55, 202.56, 202.57, 202.58, 202.60, 202.61, 202.62, 202.63, 202.64, 202.65, 202.66, 202.67, 202.68, 202.70, 202.71, 202.72, 202.73, 202.74, 202.75, 202.76, 202.77, 202.78, 202.80, 202.81, 202.82, 202.83, 202.84, 202.85, 202.86, 202.87, 202.88, 202.90, 202.91, 202.92, 202.93, 202.94, 202.95, 202.96, 202.97, 202.98, 203.00, 203.01, 203.02, 203.10, 203.11, 203.12, 203.80, 203.81, 203.82, 204.00, 204.01, 204.02, 204.10, 204.11, 204.12, 204.20, 204.21, 204.22, 204.80, 204.81, 204.82, 204.90, 204.91, 204.92, 205.00, 205.01, 205.02, 205.10, 205.11, 205.12, 205.20, 205.21, 205.22, 205.30, 205.31, 205.32, 205.80, 205.81, 205.82, 205.90, 205.91, 205.92, 206.00, 206.01, 206.02, 206.10, 206.11, 206.12, 206.20, 206.21, 206.22, 206.80, 206.81, 206.82, 206.90, 206.91, 206.92, 207.00, 207.01, 207.02, 207.10, 207.11, 207.12, 207.20, 207.21, 207.22, 207.80, 207.81, 207.82, 208.00, 208.01, 208.02, 208.10, 208.11, 208.12, 208.20, 208.21, 208.22, 208.80, 208.81, 208.82, 208.90, 208.91, 208.92, 209.00, 209.01, 209.02, 209.03, 209.10, 209.11, 209.12, 209.13, 209.14, 209.15, 209.16, 209.17, 209.20, 209.21, 209.22, 209.23, 209.24, 209.25, 209.26, 209.27, 209.29, 209.30, 209.31, 209.32, 209.33, 209.34, 209.35, 209.36, V10.00, V10.01, V10.02, V10.03, V10.04, V10.05, V10.06, V10.07, V10.08, V10.09, V10.11, V10.12, V10.20, V10.21, V10.22, V10.29, V10.3, V10.40, V10.41, V10.42, V10.43, V10.44, V10.45, V10.46, V10.47, V10.48, V10.49, V10.50, V10.51, V10.52, V10.53, V10.59, V10.60, V10.61, V10.62, V10.63, V10.69, V10.71, V10.72, V10.79, V10.81, V10.82, V10.83, V10.84, V10.85, V10.86, V10.87, V10.90, V10.91 | C00.0, C00.1, C00.2, C00.3, C00.4, C00.5, C00.6, C00.8, C00.9, C01, C02.0, C02.1, C02.2, C02.3, C02.4, C02.8, C02.9, C03.0, C03.1, C03.9, C04.0, C04.1, C04.8, C04.9, C05.0, C05.1, C05.2, C05.8, C05.9, C06.0, C06.1, C06.2, C06.80, C06.89, C06.9, C07, C08.0, C08.1, C08.9, C09.0, C09.1, C09.8, C09.9, C10.0, C10.1, C10.2, C10.3, C10.4, C10.8, C10.9, C11.0, C11.1, C11.2, C11.3, C11.8, C11.9, C12, C13.0, C13.1, C13.2, C13.8, C13.9, C14.0, C14.2, C14.8, C15.3, C15.4, C15.5, C15.8, C15.9, C16.0, C16.1, C16.2, C16.3, C16.4, C16.5, C16.6, C16.8, C16.9, C17.0, C17.1, C17.2, C17.3, C17.8, C17.9, C18.0, C18.1, C18.2, C18.3, C18.4, C18.5, C18.6, C18.7, C18.8, C18.9, C19, C20, C21.0, C21.1, C21.2, C21.8, C22.0, C22.1, C22.2, C22.3, C22.4, C22.7, C22.8, C22.9, C23, C24.0, C24.1, C24.8, C24.9, C25.0, C25.1, C25.2, C25.3, C25.4, C25.7, C25.8, C25.9,C26.0, C26.1, C26.9, C30.0, C30.1, C31.0, C31.1, C31.2, C31.3, C31.8, C31.9, C32.0, C32.1, C32.2, C32.3, C32.8, C32.9, C33, C34.00, C34.01, C34.02, C34.10, C34.11, C34.12, C34.2, C34.30, C34.31, C34.32, C34.80, C34.81, C34.82, C34.90, C34.91, C34.92, C37, C38.0, C38.1, 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C44.699, C44.701, C44.702, C44.709, C44.711, C44.712, C44.719, C44.721, C44.722, C44.729, C44.791, C44.792, C44.799, C44.80, C44.81, C44.82,C44.89, C44.90, C44.91, C44.92, C44.99, C45.0, C45.1, C45.2, C45.7, C45.9, C46.0, C46.1, C46.2, C46.3, C46.4, C46.50, C46.51, C46.52, C46.7, C46.9, C47.0, C47.10, C47.11, C47.12, C47.20, C47.21, C47.22, C47.3, C47.4, C47.5, C47.6, C47.8, C47.9, C48.0, C48.1, C48.2, C48.8, C49.0, C49.10, C49.11, C49.12, C49.20, C49.21, C49.22, C49.3, C49.4, C49.5, C49.6, C49.8, C49.9, C4A.0, C4A.10, C4A.11, C4A.12, C4A.20, C4A.21, C4A.22, C4A.30, C4A.31, C4A.39, C4A.4, C4A.51, C4A.52, C4A.59, C4A.60, C4A.61, C4A.62, C4A.70, C4A.71, C4A.72, C4A.8, C4A.9, C50.011, C50.012, C50.019, C50.021, C50.022, C50.029, C50.111, C50.112, C50.119, C50.121, C50.122, C50.129, C50.211, C50.212, C50.219, C50.221, C50.222, C50.229, C50.311, C50.312, C50.319, C50.321, C50.322, C50.329, C50.411, C50.412, C50.419, C50.421, C50.422, C50.429, C50.511, C50.512, C50.519, C50.521, C50.522, C50.529, C50.611, C50.612, C50.619, C50.621, C50.622, C50.629, C50.811, C50.812, C50.819, C50.821, C50.822, C50.829, C50.911, C50.912, C50.919, C50.921, C50.922, C50.929, C51.0, C51.1, C51.2, C51.8, C51.9, C52, C53.0, C53.1, C53.8, C53.9, C54.0, C54.1, C54.2, C54.3, C54.8, C54.9, C55, C56.1, C56.2, C56.9, C57.00, C57.01, C57.02, C57.10, C57.11, C57.12, C57.20, C57.21, C57.22, C57.3, C57.4, C57.7, C57.8, C57.9, C58, C60.0, C60.1, C60.2, C60.8, C60.9, C61, C62.00, C62.01, C62.02, C62.10, C62.11, C62.12, C62.90, C62.91, C62.92, C63.00, C63.01, C63.02, C63.10, C63.11, C63.12, C63.2, C63.7, C63.8, C63.9, C64.1, C64.2, C64.9, C65.1, C65.2, C65.9, C66.1, C66.2, C66.9, C67.0, C67.1, C67.2, C67.3, C67.4, C67.5, C67.6, C67.7, C67.8, C67.9, C68.0, C68.1, C68.8, C68.9, C69.00, C69.01, C69.02, C69.10, C69.11, C69.12, C69.20, C69.21, C69.22, C69.30, C69.31, C69.32, C69.40, C69.41, C69.42, C69.50, C69.51, C69.52, C69.60, C69.61, C69.62, C69.80, C69.81, C69.82, C69.90, C69.91, C69.92, C70.0, C70.1, C70.9, C71.0, C71.1, C71.2, C71.3, C71.4, C71.5, C71.6, C71.7, C71.8, C71.9, C72.0, C72.1, C72.20, C72.21, C72.22, C72.30, C72.31, C72.32, C72.40, C72.41, C72.42, C72.50, C72.59, C72.9, C73, C74.00, C74.01, C74.02, C74.10, C74.11, C74.12, C74.90, C74.91, C74.92, C75.0, C75.1, C75.2, C75.3, C75.4, C75.5, C75.8, C75.9, C76.0, C76.1, C76.2, C76.3, C76.40, C76.41, C76.42, C76.50, C76.51, C76.52, C76.8, C77.0, C77.1, C77.2, C77.3, C77.4, C77.5, C77.8, C77.9, C78.00, C78.01, C78.02, C78.1, C78.2, C78.30, C78.39, C78.4, C78.5, C78.6, C78.7, C78.80, C78.89, C79.00, C79.01, C79.02, C79.10, C79.11, C79.19, C79.2, C79.31, C79.32, C79.40, C79.49, C79.51, C79.52, C79.60, C79.61, C79.62, C79.70, C79.71, C79.72, C79.81, C79.82, C79.89, C79.9, C7A.00, C7A.010, C7A.011, C7A.012, C7A.019, C7A.020, C7A.021, C7A.022, C7A.023, C7A.024, C7A.025, C7A.026, C7A.029, C7A.090, C7A.091, C7A.092, C7A.093, C7A.094, C7A.095, C7A.096, C7A.098, C7A.1, C7A.8, C7B.00, C7B.01, C7B.02, C7B.03, C7B.04, C7B.09, C7B.1, C7B.8, C80.0, C80.1, C80.2, C81.00, C81.01, C81.02, C81.03, C81.04, C81.05, C81.06, C81.07, C81.08, C81.09, C81.10, C81.11, C81.12, C81.13, C81.14, C81.15, C81.16, C81.17, C81.18, C81.19, C81.20, C81.21, C81.22, C81.23, C81.24, C81.25, C81.26, C81.27, C81.28, C81.29, C81.30, C81.31, C81.32, C81.33, C81.34, C81.35, C81.36, C81.37, C81.38, C81.39, C81.40, C81.41, C81.42, C81.43, C81.44, C81.45, C81.46, C81.47, C81.48, C81.49, C81.70, C81.71, C81.72, C81.73, C81.74, C81.75, C81.76, C81.77, C81.78, C81.79, C81.90, C81.91, C81.92, C81.93, C81.94, C81.95, C81.96, C81.97, C81.98, C81.99, C82.00, C82.01, C82.02, C82.03, C82.04, C82.05, C82.06, C82.07, C82.08, C82.09, C82.10, C82.11, C82.12, C82.13, C82.14, C82.15, C82.16, C82.17, C82.18, C82.19, C82.20, C82.21, C82.22, C82.23, C82.24, C82.25, C82.26, C82.27, C82.28, C82.29, C82.30, C82.31, C82.32, C82.33, C82.34, C82.35, C82.36, C82.37, C82.38, C82.39, C82.40, C82.41, C82.42, C82.43, C82.44, C82.45, C82.46, C82.47, C82.48, C82.49, C82.50, 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C84.16, C84.17, C84.18, C84.19, C84.40, C84.41, C84.42, C84.43, C84.44, C84.45, C84.46, C84.47, C84.48, C84.49, C84.60, C84.61, C84.62, C84.63, C84.64, C84.65, C84.66, C84.67, C84.68, C84.69, C84.70, C84.71, C84.72, C84.73, C84.74, C84.75, C84.76, C84.77, C84.78, C84.79, C84.90, C84.91, C84.92, C84.93, C84.94, C84.95, C84.96, C84.97, C84.98, C84.99, C84.A0, C84.A1, C84.A2, C84.A3, C84.A4, C84.A5, C84.A6, C84.A7, C84.A8, C84.A9, C84.Z0, C84.Z1, C84.Z2, C84.Z3, C84.Z4, C84.Z5, C84.Z6, C84.Z7, C84.Z8, C84.Z9, C85.10, C85.11, C85.12, C85.13, C85.14, C85.15, C85.16, C85.17, C85.18, C85.19, C85.20, C85.21, C85.22, C85.23, C85.24, C85.25, C85.26, C85.27, C85.28, C85.29, C85.80, C85.81, C85.82, C85.83, C85.84, C85.85, C85.86, C85.87, C85.88, C85.89, C85.90, C85.91, C85.92, C85.93, C85.94, C85.95, C85.96, C85.97, C85.98, C85.99, C86.0, C86.1, C86.2, C86.3, C86.4, C86.5, C86.6, C88.0, C88.2, C88.3, C88.4, C88.8, C88.9, C90.00, C90.01, C90.02, C90.10, C90.11, C90.12, C90.20, C90.21, C90.22, C90.30, C90.31, C90.32, C91.00, C91.01, C91.02, C91.10, C91.11, C91.12, C91.30, C91.31, C91.32, C91.40, C91.41, C91.42, C91.50, C91.51, C91.52, C91.60, C91.61, C91.62, C91.90, C91.91, C91.92, C91.A0, C91.A1, C91.A2, C91.Z0, C91.Z1, C91.Z2, C92.00, C92.01, C92.02, C92.10, C92.11, C92.12, C92.20, C92.21, C92.22, C92.30, C92.31, C92.32, C92.40, C92.41, C92.42, C92.50, C92.51, C92.52, C92.60, C92.61, C92.62, C92.90, C92.91, C92.92, C92.A0, C92.A1, C92.A2, C92.Z0, C92.Z1, C92.Z2, C93.00, C93.01, C93.02, C93.10, C93.11, C93.12, C93.30, C93.31, C93.32, C93.90, C93.91, C93.92, C93.Z0, C93.Z1, C93.Z2, C94.00, C94.01, C94.02, C94.20, C94.21, C94.22, C94.30, C94.31, C94.32, C94.40, C94.41, C94.42, C94.6, C94.80, C94.81, C94.82, C95.00, C95.01, C95.02, C95.10, C95.11, C95.12, C95.90, C95.91, C95.92, C96.0, C96.2, C96.4, C96.5,C96.6, C96.9, C96.A, C96.Z, Z85.00, Z85.01, Z85.02, Z85.020, Z85.028, Z85.03, Z85.030, Z85.038, Z85.040, Z85.048, Z85.05, Z85.06, Z85.060, Z85.068, Z85.07, Z85.09, Z85.11, Z85.110, Z85.118, Z85.12, Z85.20, Z85.21, Z85.22, Z85.23, Z85.230, Z85.238, Z85.29, Z85.3, Z85.40, Z85.41, Z85.42, Z85.43, Z85.44, Z85.45, Z85.46, Z85.47, Z85.48, Z85.49, Z85.50, Z85.51, Z85.52, Z85.520, Z85.528, Z85.53, Z85.54, Z85.59, Z85.6, Z85.7, Z85.71, Z85.72, Z85.79, Z85.81, Z85.810, Z85.818, Z85.819, Z85.820, Z85.821, Z85.828, Z85.830, Z85.831, Z85.840, Z85.841, Z85.848, Z85.850,Z85.858, Z85.89, Z85.9 |

**OR**

**One of the following diagnosis codes indicating long-term/current use of immunosuppressive therapy (medications):**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| V12.29 | Z92.25 |

**OR**

**One of the following diagnosis codes indicating solid organ transplant:**

|  |  |
| --- | --- |
| **ICD9** | **ICD10** |
| V42.1, V42.0, V42.7, V42.6, V42.83, V42.84, V42.89 | Z94.1, Z94.0, Z94.4, Z94.2, Z94.83, Z94.82, Z94.89 |

**AND**

**Valid patient encounter codes (CPT or HCPCS):** 90945, 90947, 90951, 90952, 90953, 90954, 90955, 90956, 90957, 90958, 90959, 90960, 90961, 90962, 90963, 90964, 90965, 90966, 90967, 90968, 90969, 90970, 99201, 99202, 99203, 99204, 99205, 99211, 99212, 99213, 99214, 99215, 99304, 99305, 99306, 99307, 99308, 99309, 99310, 99315, 99316, 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99337, 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350, 99356, 99357, G0402, G0438, G0439

**NUMERATOR:**

Patients who received a pneumococcal vaccination OR who reported previous receipt of a pneumococcal vaccination.

**Performance Met:**

CPT II: 4040F

HCPCS: G8864

CPT: 90670

CVX: 33, 100, 109, 133

RxNorm: 901641, 1177656

**OR**

**Patient Performance Exclusion:**

HCPCS: G8865, G8866

**OR**

**Performance Not Met:**

CPT II: 4040F-8P

HCPCS: G8867

**Herpes Zoster (Shingles) Vaccination**

**DESCRIPTION:**

Percentage of patients aged 60 or older who received a herpes zoster vaccination OR who reported previous receipt of a herpes zoster vaccination.

**INSTRUCTIONS:**

This measure is used to assess the percentage of adult patients, 60 years and older, who are up-to-date with their herpes zoster vaccination.

**Definition:**

Patient Performance Exclusion

Herpes zoster vaccination not received with patient reason(s) documented (e.g., patient refusal, patient allergy, patient reported as having a history of cancer affecting the bone marrow or lymphatic system, such as leukemia or lymphoma, patient having active, untreated tuberculosis, patient having a weaken immune system due to HIV/AIDS or another disease or medication (such as steroids, radiation, and chemotherapy) that effects the immune system, or other documented patient reason).

**DENOMINATOR:**

Patients aged 60 or older with a valid patient encounter code.

**Denominator Criteria (Eligible Cases):**

Patients aged ≥ 60 years on date of encounter.

**AND**

**Valid patient encounter codes (CPT or HCPCS):** 90945, 90947, 90951, 90952, 90953, 90954, 90955, 90956, 90957, 90958, 90959, 90960, 90961, 90962, 90963, 90964, 90965, 90966, 90967, 90968, 90969, 90970, 99201, 99202, 99203, 99204, 99205, 99211, 99212, 99213, 99214, 99215, 99304, 99305, 99306, 99307, 99308, 99309, 99310, 99315, 99316, 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99337, 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350, 99356, 99357, G0402, G0438, G0439

**NUMERATOR:**

Patients who received a herpes zoster vaccination OR who reported previous receipt of herpes zoster vaccination since age 60.

**Performance Met:**

CPT: 90736

CVX: 121

RxNorm: 658273, 1186318

**OR**

**Patient Performance Exclusion:**

HCPCS: G9281

CPT: 80327, 80328, 77427, 77469, 77499, 77431, 77432, 77435, 77470, 96401, 96402, 96405, 96406, 96409, 96411, 96413, 96415, 96416, 96417, 96420, 96422, 96423, 96425, 96440, 96446, 96450, 96521, 96522, 96523, 96542, 96549

**ICD-9-CM [for use 1/1/2015 - 9/30/2015]:**

042, 196.0, 196.1, 196.2, 196.3, 196.5, 196.6, 196.8, 196.9, 200.00, 200.01, 200.02, 200.03, 200.04, 200.05, 200.06, 200.07, 200.08, 200.10, 200.11, 200.12, 200.13, 200.14, 200.15, 200.16, 200.17, 200.18, 200.20, 200.21, 200.22, 200.23, 200.24, 200.25, 200.26, 200.27, 200.28, 200.30, 200.31, 200.32, 200.33, 200.34, 200.35, 200.36, 200.37, 200.38, 200.40, 200.41, 200.42, 200.43, 200.44, 200.45, 200.46, 200.47, 200.48, 200.50, 200.51, 200.52, 200.53, 200.54, 200.55, 200.56, 200.57, 200.58, 200.60, 200.61, 200.62, 200.63, 200.64, 200.65, 200.66, 200.67, 200.68, 200.70, 200.71, 200.72, 200.73, 200.74, 200.75, 200.76, 200.77, 200.78, 200.80, 200.81, 200.82, 200.83, 200.84, 200.85, 200.86, 200.87, 200.88, 201.00, 201.01, 201.02, 201.03, 201.04, 201.05, 201.06, 201.07, 201.08, 201.10, 201.11, 201.12, 201.13, 201.14, 201.15, 201.16, 201.17, 201.18, 201.20, 201.21, 201.22, 201.23, 201.24, 201.25, 201.26, 201.27, 201.28, 201.40, 201.41, 201.42, 201.43, 201.44, 201.45, 201.46, 201.47, 201.48, 201.50, 201.51, 201.52, 201.53, 201.54, 201.55, 201.56, 201.57, 201.58, 201.60, 201.61, 201.62, 201.63, 201.64, 201.65, 201.66, 201.67, 201.68, 201.70, 201.71, 201.72, 201.73, 201.74, 201.75, 201.76, 201.77, 201.78, 201.90, 201.91, 201.92, 201.93, 201.94, 201.95, 201.96, 201.97, 201.98, 202.00, 202.01, 202.02, 202.03, 202.04, 202.05, 202.06, 202.07, 202.08, 202.10, 202.11, 202.12, 202.13, 202.14, 202.15, 202.16, 202.17, 202.18, 202.20, 202.21, 202.22, 202.23, 202.24, 202.25, 202.26, 202.27, 202.28, 202.30, 202.31, 202.32, 202.33, 202.34, 202.35, 202.36, 202.37, 202.38, 202.40, 202.41, 202.42, 202.43, 202.44, 202.45, 202.46, 202.47, 202.48, 202.50, 202.51, 202.52, 202.53, 202.54, 202.55, 202.56, 202.57, 202.58, 202.60, 202.61, 202.62, 202.63, 202.64, 202.65, 202.66, 202.67, 202.68, 202.70, 202.71, 202.72, 202.73, 202.74, 202.75, 202.76, 202.77, 202.78, 202.80, 202.81, 202.82, 202.83, 202.84, 202.85, 202.86, 202.87, 202.88, 202.90, 202.91, 202.92, 202.93, 202.94, 202.95, 202.96, 202.97, 202.98, 203.00, 203.01, 203.02, 203.10, 203.11, 203.12, 203.80, 203.81, 203.82, 204.00, 204.01, 204.02, 204.10, 204.11, 204.12, 204.20, 204.21, 204.22, 204.80, 204.81, 204.82, 204.90, 204.91, 204.92, 205.00, 205.01, 205.02, 205.10, 205.11, 205.12, 205.20, 205.21, 205.22, 205.30, 205.31, 205.32, 205.80, 205.81, 205.82, 205.90, 205.91, 205.92, 206.00, 206.01, 206.02, 206.10, 206.11, 206.12, 206.20, 206.21, 206.22, 206.80, 206.81, 206.82, 206.90, 206.91, 206.92, 207.00, 207.01, 207.02, 207.10, 207.11, 207.12, 207.20, 207.21, 207.22, 207.80, 207.81, 207.82, 208.00, 208.01, 208.02, 208.10, 208.11, 208.12, 208.20, 208.21, 208.22, 208.80, 208.81, 208.82, 208.90, 208.91, 208.92, V08, V10.60, V10.61, V10.62, V10.63, V10.69, V10.71, V10.72, V10.79, V10.81, V12.29

**ICD-10-CM [for use 10/1/2015 - 12/31/2015]:**

B20, C79.52, C77.0, C77.1, C77.2, C77.3, C77.4, C77.5, C77.8, C77.9, C81.00, C81.01, C81.02, C81.03, C81.04, C81.05, C81.06, C81.07, C81.08, C81.09, C81.10, C81.11, C81.12, C81.13, C81.14, C81.15, C81.16, C81.17, C81.18, C81.19, C81.20, C81.21, C81.22, C81.23, C81.24, C81.25, C81.26, C81.27, C81.28, C81.29, C81.30, C81.31, C81.32, C81.33, C81.34, C81.35, C81.36, C81.37, C81.38, C81.39, C81.40, C81.41, C81.42, C81.43, C81.44, C81.45, C81.46, C81.47, C81.48, C81.49, C81.70, C81.71, C81.72, C81.73, C81.74, C81.75, C81.76, C81.77, C81.78, C81.79, C81.90, C81.91, C81.92, C81.93, C81.94, C81.95, C81.96, C81.97, C81.98, C81.99, C82.00, C82.01, C82.02, C82.03, C82.04, C82.05, C82.06, C82.07, C82.08, C82.09, C82.10, C82.11, C82.12, C82.13, C82.14, C82.15, C82.16, C82.17, C82.18, C82.19, C82.20, C82.21, C82.22, C82.23, C82.24, C82.25, C82.26, C82.27, C82.28, C82.29, C82.30, C82.31, C82.32, C82.33, C82.34, C82.35, C82.36, C82.37, C82.38, C82.39, C82.40, C82.41, C82.42, C82.43, C82.44, C82.45, C82.46, C82.47, C82.48, C82.49, C82.50, C82.51, C82.52, C82.53, C82.54, C82.55, C82.56, C82.57, C82.58, C82.59, C82.60, C82.61, C82.62, C82.63, C82.64, C82.65, C82.66, C82.67, C82.68, C82.69, C82.80, C82.81, C82.82, C82.83, C82.84, C82.85, C82.86, C82.87, C82.88, C82.89, C82.90, C82.91, C82.92, C82.93, C82.94, C82.95, C82.96, C82.97, C82.98, C82.99, C83.00, C83.01, C83.02, C83.03, C83.04, C83.05, C83.06, C83.07, C83.08, C83.09, C83.10, C83.11, C83.12, C83.13, C83.14, C83.15, C83.16, C83.17, C83.18, C83.19, C83.30, C83.31, C83.32, C83.33, C83.34, C83.35, C83.36, C83.37, C83.38, C83.39, C83.50, C83.51, C83.52, C83.53, C83.54, C83.55, C83.56, C83.57, C83.58, C83.59, C83.70, C83.71, C83.72, C83.73, C83.74, C83.75, C83.76, C83.77, C83.78, C83.79, C83.80, C83.81, C83.82, C83.83, C83.84, C83.85, C83.86, C83.87, C83.88, C83.89, C83.90, C83.91, C83.92, C83.93, C83.94, C83.95, C83.96, C83.97, C83.98, C83.99, C84.00, C84.01, C84.02, C84.03, C84.04, C84.05, C84.06, C84.07, C84.08, C84.09, C84.10, C84.11, C84.12, C84.13, C84.14, C84.15, C84.16, C84.17, C84.18, C84.19, C84.40, C84.41, C84.42, C84.43, C84.44, C84.45, C84.46, C84.47, C84.48, C84.49, C84.60, C84.61, C84.62, C84.63, C84.64, C84.65, C84.66, C84.67, C84.68, C84.69, C84.70, C84.71, C84.72, C84.73, C84.74, C84.75, C84.76, C84.77, C84.78, C84.79, C84.90, C84.91, C84.92, C84.93, C84.94, C84.95, C84.96, C84.97, C84.98, C84.99, C84.A0, C84.A1, C84.A2, C84.A3, C84.A4, C84.A5, C84.A6, C84.A7, C84.A8, C84.A9, C84.Z0, C84.Z1, C84.Z2, C84.Z3, C84.Z4, C84.Z5, C84.Z6, C84.Z7, C84.Z8, C84.Z9, C85.10, C85.11, C85.12, C85.13, C85.14, C85.15, C85.16, C85.17, C85.18, C85.19, C85.20, C85.21, C85.22, C85.23, C85.24, C85.25, C85.26, C85.27, C85.28, C85.29, C85.80, C85.81, C85.82, C85.83, C85.84, C85.85, C85.86, C85.87, C85.88, C85.89, C85.90, C85.91, C85.92, C85.93, C85.94, C85.95, C85.96, C85.97, C85.98, C85.99, C86.0, C86.1, C86.2, C86.3, C86.4, C86.5, C86.6, C88.0, C88.2, C88.3, C88.4, C88.8, C88.9, C90.0, C90.00, C90.01, C90.02, C91.00, C91.01, C91.02, C91.10, C91.11, C91.12, C91.30, C91.31, C91.32, C91.40, C91.41, C91.42, C91.50, C91.51, C91.52, C91.60, C91.61, C91.62, C91.90, C91.91, C91.92, C91.A0, C91.A1, C91.A2, C91.Z0, C91.Z1, C91.Z2, C92.00, C92.01, C92.02, C92.10, C92.11, C92.12, C92.20, C92.21, C92.22, C92.30, C92.31, C92.32, C92.40, C92.41, C92.42, C92.50, C92.51, C92.52, C92.60, C92.61, C92.62, C92.90, C92.91, C92.92, C92.A0, C92.A1, C92.A2, C92.Z0, C92.Z1, C92.Z2, C93.00, C93.01, C93.02, C93.10, C93.11, C93.12, C93.30, C93.31, C93.32, C93.90, C93.91, C93.92, C93.Z0, C93.Z1, C93.Z2, C94.00, C94.01, C94.02, C94.20, C94.21, C94.22, C94.30, C94.31, C94.32, C94.40, C94.41, C94.42, C94.6, C94.80, C94.81, C94.82, C95.00, C95.01, C95.02, C95.10, C95.11, C95.12, C95.90, C95.91, C95.92, C96.0, C96.2, C96.4, C96.5,C96.6, C96.9, C96.A, C96.Z, Z21, Z85.6, Z85.7, Z85.71, Z85.72, Z85.79, Z85.830, Z92.25

**OR**

**Performance Not Met:**

*No applicable codes*

**Tdap (Tetanus, Diphtheria, Acellular Pertussis) Vaccination**

**DESCRIPTION:**

Percentage of patients aged 19 or older who received a primary vaccine series of tetanus/diphtheria/acellular pertussis (tdap) vaccine OR who reported previous receipt of Tdap vaccination.

**INSTRUCTIONS:**

This measure is used to assess the percentage of patients, 19 years and older, who are up-to-date with their Tdap vaccination.

**Definition:**

Performance Exclusion

Tdap vaccination not received with reason(s) documented (e.g., vaccination not indicated/patient refusal).

**DENOMINATOR:**

Patients aged 19 or older with a valid patient encounter code.

**Denominator Criteria (Eligible Cases):**

Patients age ≥ 19 years on date of encounter.

**AND**

**Valid patient encounter codes (CPT or HCPCS):** 90945, 90947, 90951, 90952, 90953, 90954, 90955, 90956, 90957, 90958, 90959, 90960, 90961, 90962, 90963, 90964, 90965, 90966, 90967, 90968, 90969, 90970, 99201, 99202, 99203, 99204, 99205, 99211, 99212, 99213, 99214, 99215, 99304, 99305, 99306, 99307, 99308, 99309, 99310, 99315, 99316, 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99337, 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350, 99356, 99357, G0402, G0438, G0439

**NUMERATOR:**

Patients who received Tdap vaccination OR who reported previous receipt of Tdap vaccination.

**Performance Met:**

CPT: 90715

CVX: 115

RxNorm: 583411, 1175718, 605718, 1169952

**OR**

**Performance Exclusion:**

HCPCS: G9281

**OR**

**Performance Not Met:**

*No applicable codes*