**Codes for Reporting Influenza Immunisation Uptake v1.2**

A SCIMP document derived from PRIMIS Specifications

V9.2 (adult) and v2.1 (children)

Notes on Use:

* Standard terminology is used. A ‘%’ at the end of a code denotes that code plus all under it in the hierarchy. A hyphen between two codes indicates all codes between these two codes inclusive.
* Items in Red indicate codes added or changed for 2017
* This specification has been designed by PRIMIS+ specifically to report uptake figures for national surveillance. It is not a recall or payment specification. Practice systems may use different codes and therefore give different results for internal audits and call / recall.

**Selected guidance from PRIMIS**

Identifying patients who are pregnant or immunosuppressed from the multitude of codes that may be used poses particular problems.

**If practices wish to rationalise their coding to ensure accurate identification and reporting then the use of Read v2 codes from the list at Annex A is recommended.**

**Pregnancy**

Due to the complications around recording pregnancy, other methods should be used if practices wish to identify patients who are at risk and require vaccination. Any results should be subject to clinical review to avoid calling patients inappropriately.

**Immune Suppression**

The concept of immune suppression is technically difficult to represent.

* For many patients, especially those undergoing chemotherapy or significant radiotherapy, the indication for flu vaccination may be temporary and clinical assessment may be required.
* The concept of "immune suppression by a daily dose of 20mg prednisolone" cannot be meaningfully represented by the current system suppliers.
* Although a drug list has been defined for immunosuppression, some may be obsolete or not given in Primary Care and so not be detected by system searches.

**Vaccination codes**

*Use of any of these codes after 1 Sep 17 indicates that a seasonal influenza vaccination has been given*

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| **Vaccination Read codes** |
| 65E.. Influenza vaccination |
| 65E2% Influenza vaccination given by other healthcare provider *(details below)* |
| 65ED% Seasonal influenza vaccination *(details below)* |
| 65EE% Administration of intranasal influenza vaccination |
| ZV048 [V]Influenza vaccination |
|  |
| **Vaccine medication codes** |
| n47% INFLUENZA VACCINES (excluding n47A. Pandemrix Flu Vac (H1N1v) 2009, n47B. Celvapan Flu Vac (H1N1v) 2009, n47r. CELVAPAN (H1N1) suspension for injection vials 5mL, n47s. CELVAPAN (H5N1) suspension for injection vials 5mL, n47t. PANDEMRIX (H5N1) injection vials) |

**Vaccination codes – detail**

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| **Vaccination in practice** |
| 65E.. Influenza vaccination |
| 65ED. Seasonal influenza vaccination |
| 65ED1 Administration of first intranasal seasonal flu vaccination |
| 65ED3 Administration of second intranasal seasonal flu vaccination |
| 65ED4 Administration of first inactivated seasonal flu vaccination |
| 65ED5 Administration of second inactivated seasonal flu vaccination |
| 65EE. Administration of intranasal influenza vaccination |
| 65EE0 Administration of first intranasal influenza vaccination |
| 65EE1 Administration of second intranasal influenza vaccination |
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| **Vaccination while in hospital** |
| 65ED2 Seasonal influenza vaccination given while hospital inpatient |
|  |
| **Vaccination by other Health Care Provider (School)** |
| 65E20 Seasonal influenza vaccination given by other healthcare provider |
| 65E21 First intranasal seasonal influenza vaccination given by other healthcare provider |
| 65E22 Second intranasal seasonal influenza vaccination given by other healthcare provider |
| 65E23 Second intramuscular seasonal influenza vaccination given by other healthcare provider |
| 65E24 First intramuscular seasonal influenza vaccination given by other healthcare provider |
|  |
| **Vaccination by Pharmacist** |
| 65ED0 Seasonal influenza vaccination given by pharmacist |
| 65ED6 First intranasal seasonal influenza vaccination given by pharmacist |
| 65ED7 Second intranasal seasonal influenza vaccination given by pharmacist |
| 65ED8 First inactivated seasonal influenza vaccination given by pharmacist |
| 65ED9 Second inactivated seasonal influenza vaccination given by pharmacist |

**Allergy / Declined codes**

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| 14LJ. H/O: influenza vaccine allergy |
| 8I2F% Influenza vaccination contraindicated |
| U60K4 [X]Influenza vaccine causing adverse effects in therapeutic use |
| ZV14F [V]Personal history of influenza vaccine allergy |
|  |
| 68NE% No consent - influenza imm. |
| 9OX5 Influenza vaccination declined |
| 9OX51 Seasonal influenza vaccination declined |
| 9OX52 First intranasal influenza vaccination declined |
| 9OX53 Second intranasal influenza vaccination declined |
| 9OX54 First intranasal seasonal influenza vaccination declined |
| 9OX56 Second intranasal seasonal influenza vaccination declined |

**At Risk Group - Chronic respiratory disease**

*An asthma emergency admission code includes a patient in the population regardless of other codes.*

*Otherwise a patient is included only if they have an asthma diagnosis code AND an asthma medication code recorded after 1 September 2017*

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| **Asthma Emergency Admissions** |
| 663d. Emergency asthma admission since last appointment |
| 8H2P. Emergency admission, asthma |
| **Asthma Diagnosis Codes** |
| H33% Asthma |
| H3120 Chronic asthmatic bronchitis |
| H3B.. Asthma-chronic obstructive pulmonary disease overlap syndrome |
| **Asthma Medication Codes (prescribed after 1 September 2016)** |
| c6% Corticosteroids (excluding c61U. BECLOMETHASONE rotahaler device) |
| fe% Corticosteroids for clinical use (numerous exclusions) |
| c1D% Salmeterol and Fluticasone Propionate |
| c1c% Fluticasone+Formoterol |
| 663F. Oral steroids started |
| 663Y. Steroid dose inhaled daily |
| 663g1 Using inhaled steroids – normal dose |
| 663g2 Using inhaled steroids – high dose |
| 663g3 Increases inhaled steroids appropriately |
| 663g4 Using inhaled steroids - low dose |
| 8B62. Steroid prophylaxis |
| 8B620 Oral steroid prophylaxis |

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| **Chronic Respiratory Disease** |
| 7450% Transplantation of lung |
| A115. Tuberculous bronchiectasis |
| AD50. Sarcoidosis of lung |
| AD52. Sarcoidosis of lung with sarcoidosis of lymph nodes |
| C3503 Idiopathic pulmonary haemosiderosis |
| C370% Cystic fibrosis (excluding C3706 Fibrosing colonopathy) |
| C3762 Alpha-1 antitrypsin deficiency |
| H3% Chronic obstructive pulm.dis. (excludes H30%, H33%) |
| H31% Chronic bronchitis (excluding H3101 Smokers cough) |
| H32% Emphysema |
| H34% Bronchiectasis |
| H35% Extrinsic allergic alveolitis |
| H36.. Mild chronic obstructive pulmonary disease |
| H37.. Moderate chronic obstructive pulmonary disease |
| H38.. Severe chronic obstructive pulmonary disease |
| H39.. Very severe chronic obstructive pulmonary disease |
| H3A.. End stage chronic obstructive airways disease |
| H3y% Chronic obstructive airways disease OS |
| H3z.. Chronic obstructive airways disease.NOS |
| H40%.. Coal workers' pneumoconiosis |
| H41% Asbestosis |
| H42% Silica and silicate pneumoconiosis |
| H43% Pneumoconiosis due to other inorganic dust |
| H44% Pneumopathy due to inhalation of other dust |
| H45% Pneumoconiosis NOS |
| H46.. Respiratory disease due to chemical fumes and vapours |
| H460z Bronchitis and pneumonitis due to chemical fumes NOS |
| H464% Chronic respiratory conditions due to chemical fumes |
| H46z% Respiratory conditions due to chemical fumes NOS |
| H47y0 Detergent Asthma |
| H48% Progressive massive fibrosis |
| H4y% Other specified lung diseases due to external agent |
| H4z.. Lung disease due to external agents NOS |
| H51y7 Malignant pleural effusion |
| H5410 Chronic pulmonary oedema |
| H55.. Postinflammatory pulmonary fibrosis |
| H560. Pulmonary alveolar proteinosis |
| H561. Idiopathic pulmonary haemosiderosis |
| H562. Pulmonary alveolar microlithiasis |
| H563% Idiopathic fibrosing alveolitis |
| H57% Lung involvement in disease EC |
| H582. Compensatory emphysema |
| H583. Pulmonary eosinophilia |
| H583z Pulmonary eosinophilia NOS |
| H58y6 Interstitial lung disease due to collagen vascular disease |
| H58y7 Interstitial lung disease due to connective tissue disease |
| H591. Chronic respiratory failure |
| H592. Chronic type 1 respiratory failure |
| H593. Chronic type 2 respiratory failure |
| H5y12 Stenosis of trachea |
| H5y13 Stenosis of bronchus |
| Hy02. Chronic pulmonary insufficiency following surgery |
| Hyu3% [X]Chronic lower respiratory disease |
| Hyu40 [X]Pneumoconiosis dust con silica |
| Hyu41 [X]Pneumoconiosis spc inorg dust |
| Hyu48 [X]Chronic and other pulmonary manifestations due to radiation |
| Hyu5% [X]Other resp dis aff interstit |
| N0421 Rheumatoid lung disease |
| N04y0 Rheumatoid lung |
| P861. Congenital bronchiectasis |
| Q3170 Chronic lung disease of prematurity |
| ZV440 [V] Has tracheostomy |
| ZV45J [V] Presence of artificial larynx |
| ZV461 [V] Respirator dependence |
| ZV550 [V] Attention to tracheostomy |

**At Risk Group - Chronic Heart Disease**

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| 33BA. Impaired left ventricular function |
| 662h. New York Heart Association Classification – Class III |
| 662i. New York Heart Association Classification – Class IV |
| 7900% Transplantation of heart and lung |
| 7901% Other transplantation of heart |
| F391B Cardiomyopathy in Duchenne muscular dystrophy |
| G1% Chronic rheumatic heart disease |
| G21% Hypertensive heart disease |
| G220. Malignant hypertensive renal disease |
| G222. Hypertensive renal disease with renal failure |
| G23% Hypertensive heart + renal dis. |
| G3% Ischaemic heart disease |
| G41% Chronic pulmonary heart disease |
| G54% Other diseases of endocardium |
| G55% Cardiomyopathy |
| G573% Atrial fibrillation and flutter |
| G58% Heart failure |
| G5y1. Myocardial degeneration |
| G5y3% Cardiomegaly |
| G5y4% Post cardiac operation functional disturbance |
| G5y6. Rupture of papillary muscle |
| G5y7. Sarcoid myocarditis |
| G5y8. Rheumatoid myocarditis |
| G5yy2 Papillary muscle dysfunction |
| G5yy6 Atrial thrombosis |
| G5yy9 Left ventricular systolic dysfunction |
| G5yyA Left ventricular diastolic dysfunction |
| G5yyB Right ventricular diastolic dysfunction |
| G5yyC Diastolic dysfunction |
| G5yyD Left ventricular cardiac dysfunction |
| G5yyE Right ventricular systolic dysfunction |
| G72B1 Coronary Artery Dissection |
| Gyu1% [X]Chronic rheumatic heart disease |
| Gyu3% [X]Ischaemic heart diseases |
| Gyu4% [X]Pulmonary heart disease and diseases of pulmonary circulation |
| Gyu55 [X]Other nonrheumatic mitral valve disorders |
| Gyu56 [X]Other aortic valve disorders |
| Gyu57 [X]Other nonrheumatic tricuspid valve disorders |
| Gyu58 [X]Other pulmonary valve disorders |
| Gyu59 [X]Mitral valve disorders in diseases classified elsewhere |
| Gyu5A [X]Aortic valve disorders in diseases classified elsewhere |
| Gyu5B [X]Tricuspid valve disorders in diseases classified elsewhere |
| Gyu5C [X]Pulmonary valve disorders in diseases classified elsewhere |
| Gyu5D [X]Multiple valve disorders in diseases classified elsewhere |
| Gyu5M [X]Other hypertrophic cardiomyopathy |
| Gyu5N [X]Other restrictive cardiomyopathy |
| Gyu5P [X]Other cardiomyopathies |
| Gyu5Q [X]Cardiomyopathy in infectious and parasitic diseases classified elsewhere |
| Gyu5R [X]Cardiomyopathy in metabolic diseases classified elsewhere |
| Gyu5S [X]Cardiomyopathy in nutritional diseases classified elsewhere |
| Gyu5T [X]Cardiomyopathy in other diseases classified elsewhere |
| GA... Rheumatic heart disease |
| H5410 Chronic pulmonary oedema |
| L1280 Pre-existing hypertensive heart disease complicating pregnancy, childbirth and the puerperium |
| L1281 Pre-existing hypertensive heart and renal disease complicating pregnancy, childbirth and the puerperium |
| P5% Bulb.cordis/cardiac sept.anom. |
| P60% Pulmonary valve anomalies |
| P61% Congenital tricuspid atresia and stenosis |
| P62.. Ebstein's anomaly |
| P63.. Congenital aortic valve stenosis |
| P64% Congenital aortic valve insufficiency |
| P65% Congenital mitral stenosis |
| P66.. Congenital mitral insufficiency |
| P67.. Hypoplastic left heart syndrome |
| P68.. Congenital heart disease |
| P69.. Left ventricular outflow tract obstruction |
| P6W.. Congenital malformation of aortic and mitral valves unspecified |
| P6X.. Congenital malformation of tricuspid valve, unspecified |
| P6y.. Other congenital heart anomaly. |
| P6y0.. Subaortic stenosis |
| P6y1.. Cor triatriatum |
| P6y2.. Pulmonary infundibular stenosis |
| P6y3%. Obstructive heart anomaly NEC |
| P6y63 Ectopia cordis |
| P6y64 Abdominal heart |
| P6y6z Heart or cardiac apex malposition NOS |
| P6yy% Other specified heart anomalies |
| P6z.. Congenital heart anomaly NOS |
| P6z2. Acyanotic congenital heart disease NOS |
| P6z3. Cyanotic congenital heart disease NOS |
| P6zz. Congenital heart anomaly NOS |
| P71% Coarctation of Aorta |
| P722% Atresia and stenosis of aorta |
| P73% Pulmonary artery anomalies |
| P74% Anomalies of great veins |
| PKy5M Oculofaciocardiodental syndrome |
| SP084 Heart transplant failure and rejection |
| SP085 Heart-lung transplant failure and rejection |
| SP111 Cardiac insufficiency as a complication of care |
| TB000 Transplantation of heart with complication, without blame |
| ZV421 [V]Heart transplanted |

**At Risk Group - Chronic Renal Disease**

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| 7B00% Transplantation of kidney |
| 7B012 Bilateral nephrectomy |
| 7B015 Transplant nephrectomy |
| 7B019 Excision of rejected transplanted kidney |
| 7B063 Exploration of renal transplant |
| 7B0F3 Post-transplantation of kidney examination, recipient |
| 7L1A0 Renal dialysis |
| 7L1A1 Peritoneal dialysis |
| 7L1A2 Haemodialysis NEC |
| 7L1A4 Automated peritoneal dialysis |
| 7L1A5 Continuous ambulatory peritoneal dialysis |
| 7L1A6 Peritoneal dialysis NEC |
| 7L1B% Placement of ambulatory apparatus for compensation for renal failure |
| 7L1C% Placement of other apparatus for compensation for renal failure |
| 7L1f0 Extracorporeal albumin haemodialysis |
| 8L50. Renal transplant planned |
| G7520 Goodpasture’s syndrome |
| G7521 Goodpasture's disease |
| K01% Nephrotic syndrome |
| K02% Chronic glomerulonephritis |
| K0320 Focal membranoproliferative glomerulonephritis |
| K0325 Other familial glomerulonephritis |
| K05.. Chronic renal failure |
| K050. End stage renal failure |
| K08yA Proteinuric diabetic nephropathy |
| K0A1% Rapidly progressive nephritic syndrome |
| K0A3% Chronic nephritic syndrome |
| K0A8. Rapidly progressive glomerulonephritis |
| K0D .. End-stage renal disease |
| K0E.. Acute-on-chronic renal failure |
| Kyu21 [X]Other chronic renal failure |
| SP08% Transplanted organ complication (exclude SP082, SP084, SP085, SP086, SP089, SP08A, SP08B) |
| TB001 Kidney transplant with complication, without blame |
| TB11. Kidney dialysis with complication, without blame |
| U641. [X] Kidney dialysis causing abnormal reaction pt/lat comp no misad at time |
| ZV420 [V]Kidney transplanted |
| ZV56% [V] Aftercare involving intermittent dialysis |
| ZVu3G [X] Other dialysis |

**Chronic Kidney Disease (Stage 3 – 5)**

*Note: A code for Chronic Renal Disease includes a patient in the group automatically.*

*A CKD 3-5 code includes the patient unless a code for CKD 1-2 (1Z10., 1Z11., 1Z17., 1Z18., 1Z19., 1Z1A., K051., K052.) has been added more recently.*

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| 1Z12. Chronic kidney disease stage 3 |
| 1Z13. Chronic kidney disease stage 4 |
| 1Z14. Chronic kidney disease stage 5 |
| 1Z15. Chronic kidney disease stage 3A |
| 1Z16. Chronic kidney disease stage 3B |
| 1Z1B. Chronic kidney disease stage 3 with proteinuria |
| 1Z1C. Chronic kidney disease stage 3 without proteinuria |
| 1Z1D. Chronic kidney disease stage 3A with proteinuria |
| 1Z1E. Chronic kidney disease stage 3A without proteinuria |
| 1Z1F. Chronic kidney disease stage 3B with proteinuria |
| 1Z1G. Chronic kidney disease stage 3B without proteinuria |
| 1Z1H. Chronic kidney disease stage 4 with proteinuria |
| 1Z1J. Chronic kidney disease stage 4 without proteinuria |
| 1Z1K. Chronic kidney disease stage 5 with proteinuria |
| 1Z1L. Chronic kidney disease stage 5 without proteinuria |
| 1Z1T. CKD G3aA1 - chronic kidney disease with glomerular filtration rate category G3a and albuminuria category A1 |
| 1Z1V. CKD G3aA2 - chronic kidney disease with glomerular filtration rate category G3a and albuminuria category A2 |
| 1Z1W. CKD G3aA3 - chronic kidney disease with glomerular filtration rate category G3a and albuminuria category A3 |
| 1Z1X. CKD G3bA1 - chronic kidney disease with glomerular filtration rate category G3b and albuminuria category A1 |
| 1Z1Y. CKD G3bA2 - chronic kidney disease with glomerular filtration rate category G3b and albuminuria category A2 |
| 1Z1Z. CKD G3bA3 - chronic kidney disease with glomerular filtration rate category G3b and albuminuria category A3 |
| 1Z1a. CKD G4A1 - chronic kidney disease with glomerular filtration rate category G4 and albuminuria category A1 |
| 1Z1b. CKD G4A2 - chronic kidney disease with glomerular filtration rate category G4 and albuminuria category A2 |
| 1Z1c. CKD G4A3 - chronic kidney disease with glomerular filtration rate category G4 and albuminuria category A3 |
| 1Z1d. CKD G5A1 - chronic kidney disease with glomerular filtration rate category G5 and albuminuria category A1 |
| 1Z1e. CKD G5A2 - chronic kidney disease with glomerular filtration rate category G5 and albuminuria category A2 |
| 1Z1f. CKD G5A3 - chronic kidney disease with glomerular filtration rate category G5 and albuminuria category A3 |
| K053. Chronic kidney disease stage 3 |
| K054. Chronic kidney disease stage 4 |
| K055. Chronic kidney disease stage 5 |

**At Risk Group - Liver disease**

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| --- |
| 7800% Transplantation of liver |
| A707% Chronic viral hepatitis |
| AyuB1 [X]Other chronic viral hepatitis |
| AyuB2 [X]Chronic viral hepatitis, unspecified |
| C3104 Glycogenesis with hepatic cirrhosis |
| C3761 Alpha-1 antitrypsin hepatitis |
| G8522 Oesophageal varices in cirrhosis of the liver |
| G8523 Oesophageal varices in alcoholic cirrhosis of the liver |
| J6… Liver, biliary, pancreas + gi diseases NEC |
| J61% Cirrhosis and chronic liver disease (not including J611. Acute alcoholic hepatitis, J61y1 Non-alcoholic fatty liver, J61y9 Fatty change of liver,) |
| J62.. Liver abscess and sequelae of chronic liver disease |
| J623. Portal hypertension |
| J624. Hepatorenal syndrome |
| J625. [X] Hepatic failure |
| J62y. Other sequelae of chronic liver disease |
| J62z. Liver abscess and chronic liver disease causing sequelae NOS |
| J6353 Toxic liver dis with chronic persist.hepatitis |
| J6354 Toxic liver dis with chronic lobular hepatitis |
| J6355 Toxic liver dis with chronic active hepatitis |
| J6356 Toxic liver dis with fibrosis & cirrhosis of liver |
| J63A. Hepatic granulomas in sarcoidosis |
| J63B. Autoimmune hepatitis |
| J6617 Primary sclerosing cholangitis |
| J671% Chronic pancreatitis |
| Jyu71 [X]Other and unspecified cirrhosis of liver |
| Jyu84 [X]Other chronic pancreatitis |
| PB61% Biliary atresia |
| PB63% Congenital absence of liver & gallbladder (not including: PB630, PB631, PB632, PB633) |
| PB6y1 Congenital hepatomegaly |
| SP086 Liver transplant failure and rejection |
| SP143 Hepatorenal syndrome as a complication of care |

**At Risk Group - Diabetes**

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| C10% Diabetes mellitus (excluding C1098 and C10F8 both Reaven's syndrome, C10J% Insulin autoimmune syndrome, C10K% Type A insulin resistance, C10P% Diabetes mellitus in remission ) |
| Cyu2% [X]Diabetes mellitus |
| L1805 Pre-existing diabetes mellitus, insulin-dependent |
| L1806 Pre-existing diabetes mellitus, non-insulin-dependent |
| L1807 Pre-existing malnutrition-related diabetes mellitus |
| L180A Pre-existing Type 1 diabetes mellitus in pregnancy |
| L180B Pre-existing Type 2 diabetes mellitus in pregnancy |
| L180X Pre-existing diabetes mellitus, unspecified |
| Lyu29 [X]Pre-existing diabetes mellitus, unspecified |
| PKyP. Diabetes insipidus, diabetes mellitus, optic atrophy and deafness |

**Diabetes Resolved**

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| 21263 Diabetes resolved |
| 212H. Diabetes resolved |

*Searches look for the latest of all these codes. If the latest code is a resolved code then the patient will not be included in the diabetes group.*

**At Risk Group - Immunosuppression**

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| **Medications causing immunosuppression (prescribed after 1 Mar 2017)** |
| h1% Alkylating drugs |
| h2% Cytotoxic antibiotics |
| h3% Antimetabolites (excluding h323, h324, h32D, h32E) |
| h4% Vinca alkaloids + Etoposide |
| h5% OTHER CYTOXIC DRUGS (excluding h5L%) |
| h62% DEXRAZOXANE |
| h7% CYTOTOXIC IMMUNOSUPPR |
| h8% OTHER IMMUNOSUPPRESSANTS |
| hh% OTHER ANTINEOPLASTIC AGENTS (excluding hhN%) |
| j51% SODIUM AUROTHIOMALATE |
| j52% PENICILLAMINE [MUSCULOSKELETAL USE] |
| j59% LEFLUNOMIDE |
| **Immunosuppression Diagnosis codes** |
| 2J30. Patient immunocompromised |
| 2J31. Patient immunosuppressed |
| 43C3. HTLV-3 antibody positive |
| A788% Acquired immune deficiency. syndrome |
| A789% HIV resulting in other dis |
| AyuC% [X]Human immunodeficiency virus disease |
| B6% Malignant neoplasm of lymphatic and haemopoietic tissue |
| B934. Polycythaemia Vera |
| B9377 Refractory anaemia with ring sideroblasts |
| B9378 Refractory anaemia with multilineage dysplasia |
| B9379 5Q minus syndrome |
| B937W Myelodysplastic syndrome, unspecified |
| BBr4. [M] Erythroleukaemias |
| BBr40 [M] Erythroleukaemia |
| ByuD% [X]Malignant neoplasms of lymphoid, haematopoietic and related tissue |
| ByuH6 [X]Neoplasm of uncertain and unknown behaviour of other myelodysplastic syndromes |
| ByuH7 [X]Other specified neoplasms of uncertain and unknown behaviour of lymphoid, haematopoietic and related tissue |
| ByuH8 [X]Neoplasm of uncertain and unknown behaviour of lymphoid, haematopoietic and related tissue, unspecified |
| ByuHD [X]Myelodysplastic syndrome, unspecified |
| C3028 Chediak-Higashi Syndrome |
| C331% Monoclonal paraproteinaemia |
| C332. Other paraproteinaemias |
| C332z Paraproteinaemia NOS |
| C333% Macroglobulinaemia |
| C37y8 Haemophagocytic lymphohistiocytosis |
| C37y9 Haemophagocytic syndrome, infection-associated |
| C37yD Tumour lysis syndrome |
| C37yE Macrophage activation syndrome |
| C390. Deficiencies of humoral immunity |
| C3900 Hypogammaglobulinaemia NOS |
| C3902 Selective IgM immunodeficiency |
| C3904 Other selective immunoglobulin deficiency |
| C3905 Congenital hypogammaglobulinaemia |
| C3906 Immunodeficiency with IgM hypergammaglobulinaemia |
| C3907 Common variable immunodeficiency |
| C3909 Agammaglobulinaemia NEC |
| C390A Dysimmunoglobulinaemia NEC |
| C390y Other specified deficiency of humoral immunity |
| C390z Deficiency of humoral immunity NOS |
| C391% Deficiencies of cell-mediated immunity |
| C392% Combined immunity deficiency (excluding C3922 thymic aplasia or dysplasia with immunodeficiency, C3926 adenosine deaminase deficiency, C3927 purine nucleoside phosphorylase deficiency) |
| C393. Unspecified immunity deficiency |
| C395. Immunodeficiency with short-limbed stature |
| C396. Immunodeficiency following hereditary defect in response to Epstein-Barr virus |
| C397. Hyper immunoglobulin E syndrome |
| C398% Common variable immunodeficiency |
| C39y0 Lymphocyte function antigen-1 defect |
| Cyu01 [X] Other combined immunodeficiency disorders |
| Cyu02 [X] Immunodeficiency associated with other specified major defects |
| Cyu03 [X] Immunodeficiency associated with major defect, unspecified |
| Cyu05 [X] Other specified immunodeficiency disorders |
| D4000 Idiopathic granulocytosis |
| D4009 Cyclical neutropenia |
| D401% Functional disorders of polymorphonuclear neutrophils |
| D41y0 Hypergammaglobulinaemia |
| D41y1 Myelofibrosis |
| D41y2 Pseudocholinesterase deficiency |
| F38% Myoneural disorders (excluding F382. Toxic myoneural disorder) |
| Fyu8. [X]Diseases of myoneural junction and muscle |
| Fyu80 [X]Other specified myoneural disorders |
| Fyu83 [X]Myasthenic syndromes in endocrine diseases classified elsewhere |
| Fyu84 [X]Other myasthenic syndromes in neoplastic disease classified elsewhere |
| Fyu85 [X]Myasthenic syndromes in other diseases classified elsewhere |
| G753. Lethal midline granuloma |
| M15y3 Leiner’s disease |
| PH3yA Bloom syndrome |
| PJ535 Schwachman-Diamond syndrome |

**At Risk Group - Asplenia or Dysfunction of the Spleen**

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| 14N7. H/O: splenectomy |
| 7840% Total excision of spleen (excluding 78402 Excision of accessory spleen) |
| 7841. Other excision of spleen |
| 7841y Other specified other excision of spleen |
| 7841z Other excision of spleen NOS |
| 78420 Transplantation of spleen |
| 78421 Embolisation of spleen |
| D104. Thalassaemia |
| D1040 Thalassaemia Major NEC |
| D1042 Thalassaemia with haemoglobin S disease |
| D1043 Alpha thalassaemia |
| D1046 Beta intermedia thalassaemia |
| D1047 Beta major thalassaemia |
| D1049 Delta-beta thalassaemia |
| D104A Hereditary leptocytosis |
| D104z Thalassaemia NOS |
| D106% Sickle-cell anaemia |
| D414. Hypersplenism |
| D4154 Splenic atrophy |
| D4156 Splenic fibrosis |
| D4157 Splenic infarction |
| D415A Hyposplenism |
| D415B Acquired absence of spleen |
| Dyu12 [X]Other sickle-cell disorders |
| G74y6 Embolism and thrombosis of the splenic artery |
| J690% Coeliac disease |
| PK01. Absent spleen |
| PK06. Hypoplasia of spleen |
| S7504 Spleen massive parenchymal disruption without mention of open wound into cavity |
| S7514 Spleen massive parenchymal disruption with open wound into cavity |

**At Risk Group - Chronic Neurological disease**

*Includes Stroke/TIA, Cerebral Palsy and MS codes.*

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| --- |
| C3510 Hepatolenticular degeneration (Wilson's disease) |
| E004% Arteriosclerotic dementia |
| E011% Alcohol amnestic syndrome |
| Eu00% [X]Dementia in Alzheimer's disease |
| Eu01% [X]Vascular dementia |
| Eu02% [X]Dementia in other diseases classified elsewhere |
| Eu815 [X]Severe learning disability |
| Eu817 [X]Profound learning disability |
| F036% Toxic encephalitis |
| F1… Hereditary and degenerative diseases of the CNS |
| F10% Cerebral degen. usually manifest in childhood to Parkinson's disease |
| F11% Other cerebral degenerations |
| F12% Parkinson's disease |
| F13.. Other extrapyramidal disease and abnormal movement disorders |
| F130% Other basal ganglia degen. diseases |
| F1322 Myoclonic encephalopathy |
| F134. Huntington's chorea |
| F135. Other choreas |
| F1350 Hemiballismus |
| F135z Other choreas NOS |
| F136% Idiopathic torsion dystonia |
| F137% Symptomatic torsion dystonia (excluding F1372 drug-induced dystonia) |
| F13A. Paroxysmal dystonia |
| F13X. Dystonia, unspecified |
| F14% Spinocerebellar disease |
| F15% Anterior horn cell disease |
| F16% Other diseases of spinal cord (excluding F1630 myelopathy due to intervertebral disc disease, F1632 myelopathy due to spondylosis, F163z myelopathy due to disease NOS, F164. Brown-Sequard syndrome, F16y0 drug-induced myelopathy) |
| F17.. Autonomic nervous system dis |
| F174% Multiple system atrophy |
| F1y% Other specified hereditary or degenerative dis. of the CNS |
| F1z.. Hereditary and degenerative diseases of the CNS NOS |
| F20% Multiple Sclerosis |
| F21% Other central nervous system demyelinating diseases (excluding F213. Clinically  isolated syndrome) |
| F22% Hemiplegia |
| F23% Congenital cerebral palsy |
| F24.. Other paralytic syndromes |
| F240% Quadriplegia |
| F241% Paraplegia |
| F24y% Other specified paralytic syndromes (excluding F24y1 Todd's paralysis) |
| F24z. Paralysis NOS |
| F281% Anoxic brain damage |
| F283. Unspecified encephalopathy |
| F2A% Hemiparesis |
| F2B% Cerebral palsy |
| F371% Polyneuropathy in collagen vascular disease |
| F373. Polyneuropathy in malignant disease |
| F3749 Polyneuropathy in sarcoidosis |
| F3902 Centronuclear myopathy |
| F3904 Nemaline body disease |
| F391% Hereditary progressive muscular dystrophy (not F3915 Distal (Gower's) muscular dystrophy, F3916 Ocular muscular dystrophy) |
| F3920 Dystrophia myotonica (Steinert's disease) |
| F3925 Proximal myotonic myopathy |
| F39B. Muscular dystrophy |
| F4236 Amaurosis fugax |
| Fyu1% [X]Systemic atrophies primarily affecting the central nervous system (not Fyu15 [X]Systemic atrophy affecting the central nervous system in myxoedema) |
| Fyu2% [X]Extrapyramidal and movement disorders (not Fyu20 [X]Other drug-induced secondary parkinsonism, Fyu24 [X]Other dystonia, Fyu25 [X]Other specified forms of tremor, Fyu2A [X]Dystonia, unspecified) |
| Fyu3% [X]Other degenerative diseases of the nervous system |
| Fyu4% [X]Demyelinating diseases of the central nervous system |
| Fyu55 [X]Other transient cerebral ischaemic attacks and related syndromes |
| Fyu74 [X]Polyneuropathy in neoplastic disease classified elsewhere |
| Fyu77 [X]Polyneuropathy in systemic connective tissue disorders classified elsewhere |
| Fyu83 [X]Myasthenic syndromes in endocrine diseases classified elsewhere |
| Fyu84 [X]Other myasthenic syndromes in neoplastic disease classified elsewhere |
| Fyu85 [X]Myasthenic syndromes in other diseases classified elsewhere |
| Fyu8A [X]Mitochondrial myopathy, not elsewhere classified |
| Fyu9% [X] cerebral palsy and other paralytic syndromes |
| FyuA1 [X]Other hydrocephalus |
| FyuA3 [X]Hydrocephalus in infectious and parasitic diseases classified elsewhere |
| FyuA4 [X]Hydrocephalus in neoplastic disease classified elsewhere |
| FyuA5 [X]Hydrocephalus in other diseases classified elsewhere |
| G61% Intracerebral haemorrhage (not including G617. Intracerebral haemorrhage, intravent.) |
| G63y0 Cerebral infarct due to thrombosis of precerebral arteries |
| G63y1 Cerebral infarction due to embolism of precerebral arteries |
| G64% Cerebral arterial occlusion |
| G65% Transient cerebral ischaemia (not including G655. Transient global amnesia) |
| G66% Stroke and cerebrovascular accident unspecified |
| G6760 Cerebral infarction due to cerebral venous thrombosis, nonpyogenic |
| G6W.. Cerebral infarction due to unspec. occlus. or stenosis of precerebral arteries |
| G6X.. Cerebral infarction due to unspec. occlusion or stenosis of cerebral arteries |
| Gyu62 [X]Other intracerebral haemorrhage |
| Gyu63 [X]Cerebral infarction due to unspec. occlus. or stenosis of cerebral arteries |
| Gyu64 [X]Other cerebral infarction |
| Gyu65 [X]Occlusion and stenosis of other precerebral arteries |
| Gyu66 [X]Occlusion and stenosis of other cerebral arteries |
| Gyu6C [X]Sequelae of stroke, not specified as haemorrhage or infarction |
| Gyu6F [X]Intracerebral haemorrhage in hemisphere, unspecified |
| Gyu6G [X]Cerebral infarct due to unspec. occlus. or stenosis of precerebral arteries |
| P23% Congenital hydrocephalus |
| Pyu01 [X]Other congenital hydrocephalus |
| SP100 Anoxic brain damage complication |
| SP101 Cerebral anoxia complication |
| ZV12D [V]Personal history of transient ischaemic attack |

**BMI in Adults**

*All BMI searches look for the most recent code from those listed below. If the most recent code is from the ‘At Risk’ list the patient will be included, otherwise they will not.*

|  |
| --- |
| 22K.. Body Mass Index - with value attached |
| 22KB. Baseline body mass index - with value attached |

|  |
| --- |
| 22K1. Body Mass Index normal K/M2 |
| 22K2. Body Mass Index high K/M2 |
| 22K3. Body Mass Index low K/M2 |
| 22K4. Body mass index 25-29 - overweight |
| 22K5. Body mass index 30+ - obesity |
| 22K6. Body mass index less than 20 |
| 22K7. Body mass index 40+ - severely obese |
| 22K8. Body mass index 20-24 - normal |
| 22KC. Obese class I (body mass index 30.0 - 34.9) |
| 22KD. Obese class II (body mass index 35.0 - 39.9) |
| 22KE. Obese class III (body mass index equal to or greater than 40.0) |

**At Risk Group - Morbid Obesity in Adults**

|  |
| --- |
| 22K.. Body Mass Index - with value => 40 |
| 22KB. Baseline body mass index - with value => 40 |
| 22K7. Body mass index 40+ - severely obese |
| 22KE. Obese class III (body mass index equal to or greater than 40.0) |

**BMI in Children age 2-8**

|  |
| --- |
| 22K90 Baseline body mass index centile |
| 22K91 Child body mass index centile |
| 22K92 Child Body Mass Index less than 0.4th centile |
| 22K93 Child Body Mass Index 0.4th to 1.9th centile |
| 22K94 Child Body Mass Index on 2nd centile |
| 22K95 Child Body Mass Index 3rd to 8th centile |
| 22K96 Child Body Mass Index on 9th centile |
| 22K97 Child Body Mass Index 10th to 24th centile |
| 22K98 Child Body Mass Index on 25th centile |
| 22K99 Child Body Mass Index 26th to 49th centile |
| 22K9A Child Body Mass Index on 50th centile |
| 22K9B Child Body Mass Index 51st to 74th centile |
| 22K9C Child Body Mass Index on 75th centile |
| 22K9D Child Body Mass Index 76th to 90th centile |
| 22K9E Child Body Mass Index on 91st centile |
| 22K9F Child Body Mass Index 92nd to 97th centile |
| 22K9G Child Body Mass Index on 98th centile |
| 22K9H Child Body Mass Index 98.1st to 99.6th centile |
| 22K9J Child Body Mass Index greater than 99.6th centile |
| 22K9K Down’s syndrome body mass index centile |

**At Risk Group - Morbid Obesity in Children age 2-8**

*Age at 31 Aug 2017*

|  |
| --- |
| 22K9J Child Body Mass Index greater than 99.6th centile |

**At Risk Group - Carers**

|  |
| --- |
| **Is a carer** |
| 13HH. Looks after chronically sick relative |
| 918A% Carer |
| 918G. Is a carer |
| 918H. Primary carer |
| 918W. Carer of a person with learning disability |
| 918X. Carer of a person with physical disability |
| 918Y. Carer of a person with sensory impairment |
| 918a. Carer of a person with substance misuse |
| 918b. Carer of a person with alcohol misuse |
| 918c. Carer of a person with chronic disease |
| 918d. Carer of a person with mental health problem |
| 918m. Carer of a person with a terminal illness |
| 918y. Carer of person with dementia |
|  |
| **Is not a carer** |
| 918f% Is no longer a carer |
| 918r. Not a carer |

*Searches look for the latest of all these codes. If the latest code is a ‘not a carer’ code then the patient will not be included in the carer group.*

**At Risk Group - Pregnancy**

*The first list contains pregnancy, postnatal and termination Read codes that indicate that the patient has been, or is, pregnant. A proxy eight month period is used before the Start Date of 1 September 2017 (the assumption is that the first entry of any pregnancy code will be, at the earliest, when the patient is at least four weeks pregnant).*

*The second list contains pregnancy and antenatal codes. If the latest of all the codes is from the second list on 1 September 2017, the patient is considered still pregnant on 31 Aug 2017.*

|  |
| --- |
| 62% Patient pregnant (not including 6214., 6219., 6294., 62E%, 62H7., 62H8., 62I%, 62J%, 62P%, 62X%) |
| 633% Outcome of delivery (not including 633A.) |
| 63E% Labour details |
| 7E060 Open removal of products of conception from uterus NEC |
| 7E066 Hysterotomy and termination of pregnancy |
| 7E070 Dilation of cervix uteri and curettage of products of conception from uterus |
| 7E071 Curettage of products of conception from uterus NEC |
| 7E08% Other evacuation of contents of uterus (not including 7E089) |
| 7E0B% Introduction of abortifacient into uterine cavity |
| 7F1% Induction and delivery operations |
| 7F20% Instrumental removal of products of conception from delivered uterus |
| 7F21% Manual removal of products of conception from delivered uterus |
| 7F22% Other operations on delivered uterus |
| 7F23% Immediate repair of obstetric laceration (not including 7F235) |
| L0% Pregnancy with abortive outcome (not including L08%, L0A%) |
| L191. Continuing pregnancy after abortion of one fetus or more |
| L192. Continuing pregnancy after intrauterine death one fetus or more |
| L20% Normal delivery in a completely normal case |
| L21% Multiple pregnancy |
| L264% Intrauterine death |
| L292% Maternal pyrexia during labour, unspecified |
| L293% Septicaemia during labour |
| L295% Elderly primigravida |
| L296. Vaginal delivery following previous caesarean section |
| L2A% Abnormal findings on antenatal screening of mother |
| L2B.. Low weight gain in pregnancy |
| L2C.. Malnutrition in pregnancy |
| L2D.. Retained intrauterine contraceptive device in pregnancy |
| L2y.. Other specified risk factors in pregnancy |
| L2z.. Risk factors in pregnancy NOS |
| L3% Complications occurring during labour and delivery (not including L33%, L344%, L345%, L34y%, L34z%, L35%, L38%, L390%, L391%, L392%, L394%, L39A., L39B., L39y5) |
| L40% Major puerperal infection |
| L42% Puerperal pyrexia of unknown origin |
| L440% Cerebrovascular disorders in the puerperium |
| L44y% Other complications of the puerperium |
| L44z% Complications of the puerperium NOS |
| L4y.. Other specified complications of the puerperium |
| L4z.. Complications of the puerperium NOS |
| Ly0.. Spontaneous vertex delivery |
| Ly1.. Spontaneous breech delivery |
| Lyu0% [X]Pregnancy with abortive outcome |
| Lyu2% [X]Other maternal disorders predominantly related to pregnancy (not including Lyu29) |
| Lyu3% [X]Maternal care related to the fetus and amniotic cavity and possible delivery problems |
| Lyu4% [X]Complications of labour and delivery |
| Lyu5% [X]Delivery |
| Lyu6. [X]Complications predominantly related to the puerperium (not including Lyu64, Lyu69) |
| Q48D% [X] Stillbirth |
| ZV22% [V]Normal pregnancy |
| ZV23% [V]High-risk pregnancy supervision (excluding ZV233 [V]Grand multiparity) |
| ZV24%. [V]Postpartum care and examination |
| ZV27% [V]Outcome of delivery |
| ZV28% [V]Antenatal screening (excluding ZV283 [V]Screening for malformations using ultrasonics, ZV285 [V]Screening for isoimmunisation) |

*Having identified women pregnant on 1 August 2017, a second search then looks for the following codes between 1 September 2017 and 31 January 2018 to identify women who become pregnant during the vaccination season.*

|  |
| --- |
| 62... Patient pregnant |
| 621% Patient currently pregnant (not 6214. Pregnant-on history, 6219. Patient ?pregnant, 6294. No A/N care: not known preg.) |
| 622% Antenatal care: gravida No. |
| 623% A/N care: obstetric risk |
| 624% A/N care: precious pregnancy |
| 625% A/N care: social risk |
| 626% A/N care: medical risk |
| 627% A/N care: gynae. risk |
| 628% A/N care: risk NOS |
| 629% No ante-natal care |
| 62A% A/N care provider |
| 62B% Delivery booking place |
| 62C% Deliv.booking - length of stay |
| 62D% Parent craft classes |
| 62F% Antenatal amniocentesis |
| 62G% Antenatal ultrasound scan |
| 62H% A/N Rh antibody screen (not 62H7. Rh - 6/12 after anti-D sample, 62H8. Rh - random, non-preg. Sample) |
| 62K% Antenatal syphilis screen |
| 62L% Antenatal blood group screen |
| 62M% Antenatal sickle cell screen |
| 62N% Antenatal examinations |
| 62O% Misc. antenatal data |
| 62U% Downs screen - blood test |
| 62V% Delivery place planned |
| 62W.. Antenatal blood tests |
| 62Y% Routine antenatal care |
| 62Z% Maternal care NOS |
| 62a% Pregnancy review |
| 62b.. Antenatal HIV screening |
| 62c% Antenatal screening |
| L191. Continuing pregnancy after abortion of one fetus or more |
| L192. Continuing pregnancy after intrauterine death one fetus or more |
| L21% Multiple pregnancy (not L2101, L2111, L2121, L213%, L21y1, L21z1) |
| L295% Elderly primigravida (not L2951 Elderly primigravida – delivered) |
| L2A% Abnormal findings on antenatal screening of mother |
| L2B.. Low weight gain in pregnancy |
| L2C.. Malnutrition in pregnancy |
| L2D.. Retained intrauterine contraceptive device in pregnancy |
| L2y.. Other specified risk factors in pregnancy |
| L2z.. Risk factors in pregnancy NOS |
| Lyu2% [X]Other maternal disorders predominantly related to pregnancy (not Lyu29) |
| Lyu30 [X]Other multiple gestation |
| Lyu31 [X]Other complications specific to multiple gestation |
| Lyu32 [X]Maternal care for other malpresentation of fetus |
| Lyu33 [X]Maternal care for other abnormalities of cervix |
| Lyu34 [X]Maternal care for other abnormalities of gravid uterus |
| Lyu35 [X]Maternal care for other abnormalities of pelvic organs |
| Lyu36 [X]Maternal care for (suspected) damage to fetus by other medical procedures |
| Lyu37 [X]Maternal care for other (suspected) fetal abnormality and damage |
| Lyu38 [X]Maternal care for other isoimmunization |
| Lyu39 [X]Maternal care for other specified known or suspected fetal problems |
| Lyu3A [X]Maternal care for known or suspected fetal problem, unspecified |
| Lyu3B [X]Other disorders of amniotic fluid and membranes |
| Lyu3C [X]Other placental disorders |
| Lyu3D [X]Other premature separation of placenta |
| Lyu3E [X]Other antepartum haemorrhage |
| ZV22% [V]Normal pregnancy |
| ZV23% [V]High-risk pregnancy supervision (excluding ZV233 [V]Grand multiparity) |
| ZV28% [V]Antenatal screening (excluding ZV283 [V]Screening for malformations using ultrasonics, ZV285 [V]Screening for isoimmunisation) |

**Ethnicity**

*Vaccine uptake by ethnicity is not currently reported in Scotland although it is in England and Wales. Recording of ethnicity is “... an Optional item, but may be made Mandatory at a later date in order to conform to UK-wide requirements.” (NHS Scotland Information Services Division)*

|  |  |
| --- | --- |
| **Read Codes v2** | **Grouping for Reporting Purposes** |
| 9i0  9i00  9i20-25. | White British |
| 9i1, 9i10 | White Irish |
| 9i2  9i26-2T. | White Other |
| 9i3 | Mixed White & Black – Caribbean |
| 9i4 | Mixed White & Black – African |
| 9i5 | Mixed White & Asian |
| 9i6  9i60-65  9iA9  9iD3  9SB4 | Mixed Other |
| 9i7 | Asian or Asian British – Indian |
| 9i8 | Asian or Asian British – Pakistani |
| 9i9 | Asian or Asian British – Bangladeshi |
| 9iA  9iA1-A4  9iA6-A8  9iAA  9iF0-F3 | Asian or Asian British – Other |
| 9iB | Black or Black British – Caribbean |
| 9iC  9iD0-D1 | Black or Black British - African |
| 9iD  9iD2  9iD4 | Black or Black British - Other |
| 9iE | Chinese |
| 9iF  9iF9-FK | Other Ethnic Category |
| 134B-134O  9S1-9SC  9SG-9SZ  9T1-TC  9t20-9t2J  9t00, 9T0H, 9t10-1F | Other Ethnicity codes  RACE: codes  Census ethnic groups  Census ethnic groups  Nationality data  Scottish 2011 census groups  (not used in Scotland) |

|  |  |
| --- | --- |
| **Read Codes v2** | **Ethnicity not recorded** |
| 9SD | Ethnic group not given – patient refused |
| 134P.  9iG.. | RACE: not stated  Ethnic category not stated – 2001 census |
| 9SE | Ethnic group not recorded |

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6 Oct 2017

Annex A to SCIMP Document

Codes for Reporting Influenza Immunisation Uptake v1.2

Dated 6 Oct 2017

**Suggested Codes used to identify Pregnancy & Ended Pregnancy**

Patient pregnant 62...

Missed abortion L02..

Ectopic pregnancy L03..

Spontaneous abortion L04..

Normal delivery in a completely normal case L20...

Spontaneous breech delivery Ly1, 7F150

Spontaneous vertex delivery Ly0..

Normal delivery 7F19

Breech extraction delivery 7F14.

Forceps delivery L395.

Forceps cephalic delivery 7F16.

Vacuum extractor delivery L396.

Vacuum delivery 7F17.

Delivery by elective caesarean section L3983

Elective caesarean section 7F12.

Delivery by emergency caesarean section L3984

Emergency caesarean section 7F133

Intrauterine death L264

Termination of pregnancy 7E086

**Suggested Codes used to identify Immunosuppression**

Patient Immunosuppressed 2J30

Patient Immunocompromised 2J31