

PRIMIS

Specification

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|---|---------|
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Seasonal Influenza Vaccine Uptake Reporting Specification

Collection 2013/2014

Section 1, Patient selection criteria, and Section 2, Clinical data extraction criteria, define the data that is to be processed using the Ruleset defined in Section 3 and Indicators in Section 4. CHART provides the opportunity for practices to check the information before it is submitted to PRIMIS+ and ImmForm.

This specification is also provided to GP Suppliers to enable submission of data to be standardised and quality assured nationally.

This specification is for vaccine uptake monitoring purposes only. It is important that it is not used for recall or payment purposes. The Pregnancy groups include patients who may have been eligible for a period of time but are no longer eligible. 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. The University of Nottingham cannot take any responsibility or liability for use of this specification for any purpose other than its intended use for the Seasonal Influenza Vaccine Uptake Monitoring Programme.

Introductory Guidance

Within this specification, we have attempted to translate the higher level subjective clinical guidance given within the Green Book, into the language of the two main Clinical Coding Terminologies currently used in Primary Care, to give a very specific and objective specification that is practical to implement for all GP IT clinical system suppliers in a consistent way.

What we know, is that of the roughly 42,000 diagnostic terms included within Read Version 2, roughly 2,000 of them would explicitly warrant the administration of the influenza vaccine. A further 2,000 are clinically ambiguous in terms of whether or not an influenza vaccine should be administered (e.g. "Congenital malformation of circulatory system, unspecified"). A perfect informatics solution would enable a practice to automatically select patients on the basis of the first group of terms and then be able to choose which of the patients with purely ambiguous terms warranted vaccination. This does not exist currently however, but is partly mitigated by the rarity of many of these conditions and their associated clinical coding terms, bearing in mind this process is for monitoring purposes only.

Further, there are limitations imposed by some of the clinical system software engines, in terms of the size of the relevant MIQUEST coding string. A small string search (such as C10% excluding Reaven's syndrome C1098 & C10F8) is easier to handle than a string listing a 100 specific terms scattered across many hierarchies and it can become a rate limiting step. As such, in some hierarchies we have had to adopt a pragmatic solution to defining hierarchies. The most difficult example of this is in the Pregnancy domain, where we have had to take the unusual step of defining a short preferred code list to support "data entry" that will be extracted (we shall however extract a slightly wider group).

There are two clinical groups in particular (Neurology & Cardiology), that contain large numbers of rarer diagnoses or conceptually ambiguous terms. Within the resource limitations available, these areas are being honed more closely each year. Both of these areas are affected by the presence of clinical conditions of variable severity that are congenital in origin and coded as such.

The concept of Immune Suppression is also a technically difficult one to represent. For many patients, especially those undergoing chemotherapy or significant radiotherapy, the indication for flu vaccination may be temporary and I feel it may be another area where coding guidance should perhaps be issued.

Within the medication hierarchies, especially immune suppressant drugs there are particular problems. The concept of "immune suppression by a daily dose of 20mg prednisolone" cannot be meaningfully represented by the current system suppliers. Again, for the reasons given above, relating to specification complexity, the drug hierarchies have been defined for brevity, but will include

drugs that are obsolete or not given in Primary Care. This has no impact on who should, or should not receive influenza vaccination under current Primary Care IT systems.

This, of course, is further complicated by the use of two clinical terminologies and attempting to ensure they are aligned. An example of the problem here would be the use of the descriptive term "Brittle Diabetes", which is a non-diagnostic term in 5 byte (so not included), but a diagnosis in CTV3 (so is included).

The specification has been updated each year to ensure appropriate handling of the biannual READ code updates and obvious anomalies have also been corrected.

For the 2013-14 season, children aged 2 or 3 years (but not 4yrs) on the 1/9/2013 will also be vaccinated and they will appear in a numerator/denominator group whether they are in a clinical risk group or not.

It should be noted that this specification refers to some READ terms that are due to be released in October 2013. These reside within the FLUVAX_COD group. Whilst every effort has been taken to ensure these are accurate, it is possible that there may be minor inconsistencies.

Lastly, there is the recognition that this is a Vaccine Uptake Monitoring set and not a patient Recall or Payment set. There are subtle differences, not least in the tolerances. We have had a first example of a formal complaint originating from a practice using a monitoring set, for patient recall purposes, despite the headline branding and caveats.

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Dataset Specification

RUN_DAT is defined as: The date of data extraction

[REF_DAT](#) is defined as: 31/03/2014

[START_DAT](#) is defined as 1/9/2013

AUDITEND_DAT is defined as

31/10/2013 for the October submission in November 2013

30/11/2013 for the November submission in December 2013

31/12/2013 for the December 2011 submission in January 2014

31/01/2014 for the January submission in February 2014

1) Patient selection criteria:

a) Registration status:

| <u>eaCurrent registration status</u> | <u>Qualifying criteria</u> |
|---|--|
| Currently registered for GMS | Most recent registration date <= (RUN_DAT) |

b) Qualifying Criteria:

| <u>Action</u> | <u>Criteria</u> |
|----------------------|---|
| Include | Age >= 6 months at (RUN_DAT) AND Age <65 years at (REF_DAT) in At Risk Category |
| | Age >=65 years at (REF_DAT) |
| | Age>=2 years AND Age <4 years at (START_DATE) |

| | |
|--|--|
| | ((PREGDEL_COD >= 01/01/2013 AND < 01/09/ 2013)* OR (PREG2_COD >= 01/09/2013 AND <= 31/01/2014)) <i>*This group is further filtered in the grouping and logic in sections 3 and 4</i> |
| | Carer <65 years at (REF_DAT) |

2) Clinical data extraction criteria:

| <i><u>Field Number</u></i> | <i><u>Field name</u></i> | <i><u>Data item</u></i> | <i><u>Qualifying criteria</u></i> |
|----------------------------|--|---------------------------------|-------------------------------------|
| 1 | PAT_ID | Patient ID number | Unconditional |
| Note | The Patient ID is displayed in CHART for practices at a local level. The Patient ID is not extracted. | | |
| 2 | PAT_AGE | Patients age (years) at RUN_DAT | Unconditional |
| Note | The Patient age is used to determine the age band of the patient. The patient age is displayed in CHART for practice information. | | |
| | PAT_ENDAGE | Patients age (years) at REF_DAT | Unconditional |
| Note | The Patient End age is used to determine the age band of the patient. The patient End age is displayed in CHART for practice information. The End age is defined by the age of the patient on 31 st March 2014. This is only taken into account for the upper limit of the '16 to under 65' age band and the '65 and over' age band | | |
| 3 | PAT_SEX | Patients Gender | Unconditional |
| Note | The Patient Sex is displayed in CHART for practices at a local level. The Patient Sex is not extracted | | |
| 4 | REG_DAT | Date of patient registration | Latest <= RUN_DAT |
| Note | The Registration date is displayed in CHART for practices at a local level. The Registration date is not extracted | | |
| 5 | AST_COD | <i>Read codes v2</i> | <i>Read codes v3</i> Earliest <= |

| | | | | |
|------|---|--|---|---|
| | | H33% | H33..% (not including H44..%, H440.%, H441.) | AUDITEND_DAT |
| | | (Asthma Diagnosis code) | | |
| Note | The presence of a diagnosis Read code is required. The patient must also have a Read code in ASTMED_COD or prescription code in ASTRX_COD to be included in the At Risk Group for Asthma | | | |
| 6 | AST_DAT | Date of AST_COD | | Chosen Record |
| 7 | ASTMED_COD | Read codes v2 | Read codes v3 | Latest >= (AUDITEND_DAT – 12 months) |
| | | 663F, 663g1, 663g2, 663g3, 663g4, 663Y | 663F., 663g1, 663g2, 663g3, 663Y., Xa ZHv | |
| | | (Asthma coded medication) | | |
| Note | Read codes indicating that the patient is currently taking ‘oral or inhaled steroids’. The Read code must be in the last 12 months and the patient must also have a diagnosis code in AST_COD | | | |
| 8 | ASTMED_DAT | Date of ASTMED_COD | | Chosen Record |

| | | | | |
|------|--|--|---|---|
| 9 | ASTRX_COD | <i>Read codes v2</i> | <i>Read codes v3</i> | Latest >= (AUDITEND_DAT – 12 months) |
| | | c1D%,c1c%, c6% (not including: c61U), fe% (not including: fe13, fe1z, fe34, fe35, fe38, fe39, fe3p, fe3q, fe3w, fe3x, fe3z, fe46, fe47, fe48, fe49, fe4a, fe4b, fe4c, fe4d, fe54, fe55, fe56, fe57, fe58, fe59, fe5a, fe5b, fe5c, fe5d, fe5e, fe5g, fe5h, fe5q, fe5r, fe5s, fe5t, fe5u, fe5v, fe5w, fe5x, fe5y, fe5z, fe63, fe6b, fe6u, fe6y, fe83, fe84, fe85, fe88, fe8u, fe8v, fe8w, fe8x, fe8y) | c1D..%,c1c%, c63..%, c64..%, c67..%, c69..%, c6A..%, fe7..%, fe9..%, x00yP%, x01MW%, x01Mc%, x01Mh%, x01Na%, x01Nb%, x01Nq%, x02IG% | |
| | | (Asthma Prescription) | | |
| Note | Inhaled or Oral Steroid Prescription codes. A prescription code is classed as current, if issued in the last 12 months. The patient must also have a diagnosis code in AST_COD | | | |
| 10 | ASTRX_DAT | Date of ASTRX_COD | | Chosen Record |
| 11 | ASTADM_COD | <i>Read codes v2</i> | <i>Read codes v3</i> | Latest >= (AUDITEND_DAT -12 months) |
| | | 663d, 8H2P | 663d., 8H2P. | |
| | | (Asthma Admission codes) | | |
| Note | The presence of an Emergency Asthma Admission to hospital Read code in the last 12 months includes the patient in the Asthma At Risk Group, regardless of the presence of a diagnosis (AST_COD), or medication, (ASTMED_COD), or prescription code, (ASTRX_COD) | | | |
| 12 | ASTADM_DAT | Date of ASTADM_COD | | Chosen Record |

| | | | | |
|----|----------|---|--|-----------------------------|
| 13 | RESP_COD | Read codes v2 | Read codes v3 | Earliest <= AUDITEND_DAT |
| | | A115, AD50, AD52, C370% (not including: C3706), H3% (not including: H30%, H3101, H33%), H40 - H45, H46, H460z, H464%, H46z%, H47y0, H48 - H4z, H5410, H55, H561, H563%, H57%, H582, H583, H58y6, H58y7, H591 - H593, H5y12, H5y13, Hy02, Hyu3%, Hyu40, Hyu41, Hyu48, Hyu5%, N0421, N04y0, P861, Q3170, 7450% | C370.%, C3701, H3...%, H31...%, H3120, H31y0%, H32...%, H34...%, H35...%, H44...%, H440.%, H441., H46.., H464.%, H46z., Hyu46, H46z0, H47y0, H4y...%, H4y2.%, (not including: H4y20) H5410, H561., H57...%, H571., H57y0, H57y2%, H583.%, (not including: H5830) H591.%, Hy02., Hyu3., Hyu5., Hyu50, Hyu51, N0421%, Q3170, X100j%, X101U, X102u%, X70Qb, XE0Zf, Xa9Bw%, XaDya%, XaREX, XaX1F, XaX1J, 7450% | |
| | | (Chronic Respiratory Disease) | | |
| 14 | RESP_DAT | Date of RESP_COD | | Chosen Record |
| 15 | CHD_COD | Read codes v2 | Read codes v3 | Earliest <= AUDITEND_DAT |
| | | 33BA, F391B, G1%, G21%, G220, G222, G23%, G3%, G41%, G54%, G55%, G58%, G5y1, G5y3%, G5y4%, G5y6 - G5y8, G5yy2, G5yy6, G5yy9 - G5yyC, Gyu1%, Gyu3%, Gyu4%, Gyu55 - Gyu5D, Gyu5M - Gyu5T, H5410, L1280, L1281, P5%, P60 - P6X, P6y, P6y0 - P6y3, P6y63 - P6y6z, P6yy%, P6z, P6z2 - P6zz, SP084, SP085, SP111,TB000, ZV421, 7900%, 7901% | G1...%, G1y0., G21...%, G220., G222., G310., G36...%, G55...%, G553., G58...%, Gyu4., Gyu41, H5410, X201f%, X202p%, X202q%, X202u%, X2033, G41y0, X2034%, X203F%, X203G, X203H, X203I, XE0WK, Xa0Cy, Xa0Cz, X777T, X77tW%, XE0Ua, XE0VA%, XE0VB%, XE2Qh%, XE2uV%, XM0rN, XM0rO, G41...%, G411., Gyu40, Xa3fR, Xa3fS, XaB0g%, XaYYq, X00y1%,TB000,ZV421,79012%, XaYYs, XM1Qn, G41y0 | |
| | | (Chronic heart disease codes) | | |

| | | | | |
|------|--|--|---|----------------------------|
| 16 | CHD_DAT | Date of CHD_COD | | Chosen Record |
| 17 | CKD_COD | Read codes v2 | Read codes v3 | Earliest <=AUDITEND_DAT |
| | | 7B00%, 7B012, 7B015, 7B063, 7B0F3, 8L50, K01%, K02%, K0320, K0325, K05% (not including: K051, K052, K053, K054, K055), K08yA, K0A3%, K0D, K0E, Kyu21, SP083, TB001, ZV420, G7520, G7521, K0A1%, K0A8 | 7B00., 7B012, 7B063, 8L50., G7520%, K01..%, K01x4, K05.., K0A3., Kyu21, TB001, X30I8%, X30J0%, X30Km%, X30MN%, XE0Fv%, XE0db%, XE0df%, XaB9D%, XaM41, ZV420 | |
| | | (Chronic kidney disease diagnostic codes) | | |
| Note | If a patient has any Chronic Kidney disease Read code, they are included in the CKD At Risk Group. CKD stage 3 – 5 codes are handled separately | | | |
| 18 | CKD_DAT | DATE of CKD_COD | | Chosen Record |
| 19 | CKD15_COD | Read codes v2 | Read codes v3 | Latest <= AUDITEND_DAT |
| | | 1Z1%, K051, K052, K053, K054, K055 | XaLHG%, XaLHH%, XaLHI%, XaLHJ%, XaLHK% | |
| | | (Chronic kidney disease codes - all stages) | | |
| Note | This Read code group first captures all patients with any stage of CKD recorded. The patient record is then checked to see if the latest Read code is a Stage 3 – 5. This eliminates any patient that has had a previous Stage 3 – 5 Read code recorded that has been superseded by a CKD Read code Stage 1 or 2 | | | |
| 20 | CKD15_DAT | Date of CKD15_COD | | Chosen Record |
| 21 | CKD35_COD | Read codes v2 | Read codes v3 | Latest <= AUDITEND_DAT |
| | | 1Z12, 1Z13, 1Z14, 1Z15, 1Z16, 1Z1B, 1Z1C, 1Z1D, 1Z1E, 1Z1F, 1Z1G, 1Z1H, 1Z1J, 1Z1K, 1Z1L, K053, K054, K055 | XaLHI%, XaLHJ%, XaLHK% | |
| | | (Chronic kidney disease codes-stages 3 - 5) | | |

| | | | | |
|------|--|--|--|--------------------------|
| 22 | CKD35_DAT | Date of CKD35_COD | | Chosen Record |
| Note | The patient is included if the latest Read code recorded is Stage 3 – 5. This eliminates any patient that has had a previous Stage 3 – 5 Read code recorded, that has been superseded by a Read code Stage 1 or 2. The patient will be included if there is a Chronic Kidney diagnosis code in CKD | | | |
| 23 | CLD_COD | Read codes v2 | Read codes v3 | Earliest <= AUDITEND_DAT |
| | | A707%, AyuB1, AyuB2, J6, J61% (not including: J611,J61y9,J61y1), J623 - J62z, J6353 - J6356, J63A, J63B, J6617, J671%, Jyu71, Jyu84, PB61%, PB63%, (not including: PB630, PB631, PB632, PB633), PB6y1, SP086, SP143, J62, 7800% | J6..., J610., J613., J614.%, J61y.%, J61y0, J61y2%, J61y3, J61y7, J61z., J62..%, J623., J62y., J6353, J6354, J6355, J6356, J63A., J671.%, Jyu71, PB61.%, PB610, PB612%, PB615, PB616, PB63.%, PB634, PB6y1, X306T, AyuB1, AyuB2, J6143, X306r, XaBE3, XaQIT, X3072, X3073, X3076, J624.%, X3077, X3078, X307C, X307J%, X307L%, X307x%, XE0bC, XE0dD, XE1L0, XaREa, 7800% | |
| | | (Chronic Liver disease codes) | | |
| 24 | CLD_DAT | Date of CLD_COD | | Chosen Record |
| 25 | DIAB_COD | Read codes v2 | Read codes v3 | Earliest<= AUDITEND_DAT |
| | | C10% (not including C1098, C10F8) Cyu2%, L1805, L1806, L1807, L180X, Lyu29 | C10..% (not including L1808, X40JE) | |
| | | (Diabetes diagnosis codes) | | |
| Note | The patient is included if any Diabetes diagnosis Read code is recorded | | | |
| 26 | DIAB_DAT | Date of DIAB_COD | | Chosen Record |

| | | | | |
|------|---|--|--|--|
| 27 | IMMDX_COD | Read codes v2 | Read codes v3 | Latest< =AUDITEND_DAT |
| | | 14N7, 2J30, 2J31, 43C3, 7840%, (not including: 78402),A788%, A789%, AyuC%, B6%, ByuD%, C332, C332z, C333%, D4154, D4156, D415A, D41y1, D41y2, F38%, (not including: F382), Fyu8, Fyu80, Fyu83 - Fyu85, G74y6, PK01, PK06 | 14N7., 43C3., 7840.%, 78403, B623.%, B625.%, B6z0., D4154, D4156, F38..% (not including: F382.%, X00Cs), PK06., Ua14c, Ua19z, X70M6%, X78e1, ByuH6, ByuH7, ByuH8, X20Fr, X78e6%, XE1vo%, XE20P, Xa0Sr%, XE1Mi, Xa0Ty, Xa0h0, Xa9D7 | |
| | | (Immunosuppression diagnosis codes) | | |
| Note | The patient included if any immunosuppressant Read code is recorded | | | |
| 28 | IMMDX_DAT | Date of IMMDX_COD | | Chosen Record |
| 29 | IMMRX_COD | Read codes v2 | Read codes v3 | Latest >= (AUDITEND_DAT – 6 months) |
| | | h1%, h2%, h3, h31 - h36, (not including h323, h324, h32D, h32E), h39 - h3G, h4%, h5, h51 - h5K, h7%, h8%, hh%, (not including hhN%), j51%, j52%, j59% | j59..%, x005B%, x01AQ, h8...%, x01AR, h1...%, h2...%, h3..., h3D..%, h3E..%, h3F..%, h3G..%, x01Aa%, x01Ab%, x01Ac, h31..%, h32., h325., h326., h327., h328.%, h32A., h32B.%, h32x.%, h32y.%, h32z., x00Nu, x00Nv, x03lf, h36..%, h3A..%, h3B..%, h4...%, h41..%, h5..., h51..%, h52..%, h53..%, h55..%, h57..%, h58..%, h59..%, h5B..%, h5C..%, h5E..%, h5H..%, h5L..%, h5K..%, hh...% (not including hhN..%), hh1..%, hh2..%, hh3..%, hh5..%, hh6..%, hh7..%, hh8..%, hh9..%, hhA..%, hhB..%, hhD..%, hhE..%, x01Ai%, x03lP%, x05Zz%, x01An, h7..., h81..%, h82..%, h83., h83B., h83C., h83D., h83E., h83F., h83G., h83H., h83L., h83J., h83t., h83u., h83v., x05cm%, x05cn%, h84..% | |

| | | | | |
|------|--|--------------------------------------|--|--------------------------|
| | | | h85..%, h86..%, h87..%, h88..%, h8A..%, h8B..%, h8C..%, ha5..%, n8...%, x004B%, x0083%, x00AR%, x02MI%, x04wS%, x05sE%, x02MQ% | |
| | | (Immunosuppression medication codes) | | |
| Note | The patient is included if a prescription code is recorded in the last six months. The timeframe is limited to six months to increase the specificity of capturing patients that are currently immunosuppressed. For brevity purposes, this group includes some immunosuppressant medication that may only be issued in hospital | | | |
| 30 | IMMRX_DAT | Date of IMMRX_COD | | Chosen Record |
| 31 | NOCONS_COD | Read codes v2 | Read codes v3 | Latest < AUDITEND_DAT |
| | | 68NE% | 68NE. , Xaa9f | |
| | | (No Consent codes) | | |
| Note | A no consent Read code is displayed in CHART for practices at a local level. The no consent Read code is not extracted | | | |
| 32 | NOCONS_DAT | Date of NOCONS_COD | | Chosen Record |

| | | Read codes v2 | Read codes v3 | |
|----|--------------|--|---|--------------------------|
| 33 | CNSgroup_COD | C3510, E004%, E011%, Eu00%,Eu01%, Eu02%, F036%, F1,F10%, F11%,F12%, F13,F130%, F1322,F134,F135,F1350, F135z, F136%, F137%,(not including: F1372), F13A, F13X, F14%, F15%, F16%,(not including: F1630,F1632,F163z, F164!, F16y0), F17, F174, F1y%, F1z, F20%, F21%, (not including: F213), F22%, F23%, F24, F240%, F241%, F24y%, (not including: F24y1), F24z, F281%, F283, F2A%, F2B%, F371%, F373, F3749, F380%, F3902, F3904, F391%, (not including: F3915, F3916), F3920, F39B, F4236, Fyu1%, (not including: Fyu15), Fyu2%, (not including: Fyu20, Fyu24, Fyu25, Fyu2A), Fyu3%, Fyu4%, Fyu55, Fyu74, Fyu77, Fyu83, Fyu84, Fyu85, (not including: Fyu86), Fyu8A, Fyu9%, FyuA1, FyuA3, FyuA4, FyuA5, G61%, (not including: G617), G63y0, G63y1, G64%, G65%, (not including: G655), G66%, G6760, G6W, G6X, Gyu62, Gyu63, Gyu64, Gyu65, Gyu66, Gyu6C, Gyu6F, Gyu6G, P23%, Pyu01, SP100, SP101, ZV12D | Eu02.%, F1...%, (not including:F1630, F1632, F163z, F16y0), F100.%, F1000, F1003%, F101., F1010, F1011, F1012, F1014%, F1015, F1030, F1031, F10y1, F11x8, F11z., F13.., F1322, F1350, F136.%, F137., F14.., F143., F160.%, F1600, F1601, F212., F24..%, F240.%, F241.%, F24yz, F283.,F38..%, (not including: D41y2, F382.%), F3902%, F3904, F3920%, Fyu1.%,Fyu14, (not including: Fyu15), Fyu23, Fyu3.%, Fyu8A, Fyu9., G641., G65z0, G65z1, Gyu62, Gyu65, Gyu66, Gyu6C, Gyu6F, P234.%, PKy92, X002U%, X002Y%, X002x, X0030, X003Z%, X003o%,(not including: F1351), X004V, X0051%, X005K, X005L%, X005N%, X005S, X005b%, X00AZ,F371.%, F373.%, (not including: F374.%), F3748, F3749, Fyu13, Fyu66, X00Aa, F162.%, X00Af, X00Ag%, X00Aq, X00Ar, X00As, X00At, X00Au, X00Av, Xa9BG%, X00B1, X00B2, XE151%, X00D1%, X00E7, X00EG%, X76n9%, XE0VK%, XE15G%,(not including: F13z.%), XE15L%, XE150%, XE15T%, XE17f, XE17j, XE17r, XE17t, XE183, XE2Q8%, Xa0ZX%, Xa01L, F391., F3911,F3912, F3913,F3914,F3917,F391y, F391z, X708J%, X708h%, X708p, XE15p, Xa0s2, Xa0s3%, Xa1GB%, Xa3fA, XaB4V%, XaB4W, XaI9b, XaPws, XaX9w, XaX16 | Earliest <= AUDITEND_DAT |
| | | (Chronic neurological disease, including Stroke/Tia, Cerebral Palsy and MS codes) | | |
| | | Note | replaces 3 separate groups now merged | |
| 34 | CNSGROUP_DAT | Date of CNSGROUP_COD | | Chosen Record |

| | | | | |
|------|--|---|--|--|
| | | (Chronic neurological disease, including Stroke/Tia, Cerebral Palsy and MS codes) | | |
| 34 | CNSGROUP_DAT | Date of CNSGROUP_COD | | Chosen Record |
| | | | | |
| 39 | CARER_COD | Read codes 2 | Read codes v3 | Latest<= AUDITEND_DAT |
| | | 13HH, 918A%, 918G, 918H, 918W, 918X, 918Y, 918a, 918b, 918c, 918d, 918m, 918y | Ua0bE, Ua0VL%, Ub1ju, Ua0bD | |
| | | (Carer codes) | | |
| Note | The patient is only classed as a carer, if the latest code is CARER. A NOTCARER code may be added to the record when the patient is no longer a carer. | | | |
| 40 | CARER_DAT | Date of CARER_COD | | Chosen Record |
| 41 | NOTCARER_COD | Read codes v2 | Read codes v3 | Latest<= AUDITEND_DAT |
| | | 918f, 918r | XaL1Y, XaQVL | |
| | | (No longer a carer codes) | | |
| Note | The patients is only classed as a carer, if the latest code is CARER . A NOTCARER code may be added to the record when the patient is no longer a carer. | | | |
| 42 | NOTCARER_DAT | Date of NOTCARER_COD | | Chosen Record |
| 43 | FLUVAX_COD | Read codes v2 | Read codes v3 | Latest > 31/08/2013 and <= AUDITEND_DAT |
| | | 65E, 65E2%, 65ED%,65EE%, ZV048 | 65E.., Xaa9G%, XaLK4, XaZ0d%, XaZfY, XaPyT%, XaaZp, ZV048 | |
| | | (Influenza vaccination codes) | | |
| 44 | FLUVAX_DAT | Date of FLUVAX_COD | | Chosen Record |
| Note | A Flu Read code recorded in the timeframe is counted as a Seasonal Influenza vaccination given | | | |

| | | | | |
|------|---|---|--|---------------------------------------|
| 45 | FLURX_COD | Read codes v2 | Read codes v3 | Latest >31/8/2013 and <= AUDITEND_DAT |
| | | n47% (not including: n47A, n47B, n47r, n47s, n47t) | n47..% (not including: n47A., n47B., n47C., n47r., n47s., n47t.) | |
| | | (Influenza vaccination medication codes) | | |
| 46 | FLURX_DAT | Date of FLURX_COD | | Chosen Record |
| Note | A Flu Prescription Read code recorded in the timeframe is counted as a Seasonal Influenza vaccination given | | | |
| 47 | CONTRA_COD | Read codes v2 | Read codes v3 | Latest <= AUDITEND_DAT |
| | | 8I2F, 8I2F0 | XaI0T, XaZ0j | |
| | | (Influenza vaccination contraindication or intolerance codes) | | |
| Note | This information is not taken into account for the Uptake survey and is presented in CHART for information to practices | | | |
| 48 | CONTRA_DAT | Date of CONTRA_COD | | Chosen Record |
| 49 | DECL_COD | Read codes v2 | Read codes v3 | Latest <= AUDITEND_DAT |
| | | 90X5, 90X51, 90X52, 90X53 | XaIBI, XaZ0i, XaaDp, XaaDq | |
| | | (Influenza vaccination declined) | | |
| Note | This information is not taken into account for the Uptake survey and is presented in CHART for information to practices | | | |
| 50 | DECL_DAT | Date of DEC_COD | | Chosen Record |
| 51 | ALLERG_COD | Read codes v2 | Read codes v3 | Latest<= AUDITEND_DAT |
| | | 14LJ, U60K4, ZV14F | Xa5um%, Xa5WJ%, XaIAA, XaJ8X | |
| | | (Influenza vaccination allergy) | | |
| Note | This information is not taken into account for the Uptake survey and is presented in CHART for information to practices | | | |
| 52 | ALLERG_DAT | Date of ALLERG_COD | | Chosen Record |

| | | | | |
|------|---|---|--|--|
| 53 | PREGDEL_COD | Read codes v2 | Read codes v3 | Latest >= 01/01/2013 AND < START_DAT |
| | | 62%,(not including: 6214, 6219, 62I%, 62J%, 62P%, 62X%) 633%, 7E060, 7E066, 7E070, 7E071, 7E08%, 7E0B%, 7F02%, 7F1%, 7F20 - 7F23, L0%, L20%, L264%, L3%, L4%, Ly0, Ly1, Lyu0%, Lyu2 - Lyu6, ZV22 - ZV24, (not including: ZV233), ZV27%, ZV28% (not including: ZV283, ZV285) | 621.., 62N..%, 63...%, 7E088, 7E0B%, L0...% (not including: L163., L1630, L163z),L264.%, X4038%, X404x%, X40Ar, X74V6%, X74V7, X76Qk, X76Ql, X76Qt, XE06i%, XE06j, XE1SI%, Xa1qM%, Xa36H%, Xa4S0%,(not including Xa41N) Xa4SU, Xa4SV, Xa4Sw%, Xa7Yj, Xa85V%, XaIO9, XaLQl, ZV22.%, ZV23.%, (not including: ZV233) ZV24.%, ZV27.%, ZV28.% (not including: ZV283, ZV285) | |
| | | (Pregnancy or Delivery codes recorded between 1 st January 2013 and 31st August 2013 (inclusive)) | | |
| Note | This code group contains pregnancy ,delivery, miscarriage and termination Read codes. A presence of one of these codes indicates that the patient has been, or is currently pregnant. This group of patients are checked to see if the latest code is a pregnancy code in PREG_COD to determine if the patient is still pregnant on 31st August 2013. A proxy eight month period has been used before the Start date of 1st September. This assumes that the first entry of any pregnancy code is likely to be entered, at the earliest, when the patient is at least four weeks pregnant | | | |
| 54 | PREGDEL_DAT | Date of PREGDEL_COD | | Chosen Record |
| 55 | PREG_COD | Read Codes v2 | Read Codes v3 | Latest >= 01/01/2013 AND < START_DATE |
| | | 62, 621 - 62H, (not including 6214, 6219%),62K - 62O, 62U - 62W, 62Y - 62c, L2A - L2z, Lyu2 - Lyu3, ZV22%,ZV23%,(not including ZV233) ZV28% (not including ZV283, ZV285) | 621.., 62N..%, X40Ar, X74V6%, X74V7, X76Qk, X76Ql, X76Qt, Xa4S0% (not including: Xa41N), Xa4SU, Xa4SV,Xa7Yj, Xa85V%, XaIO9, XaLQl, ZV22.%, ZV23.% (not including: ZV233), ZV28.%,(not including: ZV283, ZV285) | |

| | | | | |
|------|---|---|-------------------------|--|
| | | (Pregnancy codes recorded between 1 st January 2013 and 31st August 2013 (inclusive)) | | |
| Note | This code group is used in combination with PREGDEL above to determine if the patient is still pregnant on 31 st August 2011. If the latest code recorded out of PREGDEL_COD is PREG_COD, then the patient is regarded as still pregnant | | | |
| 56 | PREG_DAT | Date of PREG_COD | | Chosen record |
| | PREG2_COD | Read Codes v2 | Read Codes v3 | Latest >= START_DATE AND < 31/01/2014 |
| 57 | | Code string as PREG_COD | Code string as PREG_COD | |
| | | (Pregnancy codes recorded between 1 st September 2013 and 31 st January 2014 (inclusive)) | | |
| Note | This code group is the same as PREG_COD. A read code recorded within the timeframe indicates that the patient is pregnant or has been pregnant at some point from 1 st September 2013. The patient has therefore been eligible at some point during the stated timeframe. For this reason, there is no requirement to check if the patient has a record of a delivery, miscarriage or termination Read code. | | | |
| | PREG2_DAT | Date of PREG2_COD | | Chosen record |

Indicator Rulesets

3) Ruleset to Define grouping of data extraction criteria

| | | | | |
|---|--|----------------------|---------------|---------------|
| 1 | Patients with Immunosuppression | | True | False |
| | IMMUNO_GROUP | IF IMMRX_DAT <> NULL | <i>Select</i> | <i>Next</i> |
| | | IF IMMDX_DAT <> NULL | <i>Select</i> | <i>Reject</i> |

Note: The patient can have either a prescription code or a diagnosis code to be included in the At Risk Group

| | | | | |
|---|--------------------------|---------------------------------|---------------|---------------|
| 2 | Patients with CKD | | | |
| | CKD_GROUP | IF CKD_DAT <> NULL (diagnoses) | <i>Select</i> | <i>Next</i> |
| | | IF CKD15_DAT = NULL (NO STAGES) | <i>Reject</i> | <i>Next</i> |
| | | IF CKD35_DAT >= CKD15_DAT | <i>Select</i> | <i>Reject</i> |

Note: The patient can have a Chronic Kidney disease code recorded or a Chronic Kidney disease Stage code. The latest Stage code must be Stage 3 to 5

| | | | | |
|---|-----------------------------|--|---------------|---------------|
| 3 | Patients with Asthma | | | |
| | AST_GROUP | IF ASTADM_DAT <> NULL | <i>Select</i> | <i>Next</i> |
| | | ((IF AST_DAT <> NULL) AND ((IF ASTMED_DAT <> NULL) OR (IF ASTRX_DAT <> NULL))) | <i>Select</i> | <i>Reject</i> |

Note: The patient can have an Emergency Asthma admission code only to be included in the At Risk Group.

Otherwise, the patient must have an Asthma diagnosis code AND either a prescription code or a Read code indicating the patient is on medication for oral or inhaled steroids

| | | | | |
|---|--|---|---------------|---------------|
| 4 | Pregnant on 31/08/2013 or becoming pregnant between 01/09/2013 and 31/01/2014 (inclusive) | | | |
| | PREG_GROUP | IF PREG2<> NULL | <i>Select</i> | <i>Next</i> |
| | | (IF PREGDEL_DAT<> NULL) AND ((IF PREG_DAT <> NULL) AND (PREG_DAT >= PREGDEL_DAT)) | <i>Select</i> | <i>Reject</i> |

Note: There are two different groups that are combined here.

Group 1 is any patient that has a pregnancy Read code recorded from 1st September 2013 to 31st January 2014.

Group 2 is any patient with a pregnancy, delivered, miscarriage or termination code where the latest code recorded between 01/01/2013 and 31/08/2013 is a pregnancy code

Both of these groups are then combined to capture patients that are pregnant at a specified point in time or become Pregnant from a specified point

| | | |
|---|------------------|---|
| 5 | Age Bands | |
| | 1 | PAT_AGE >=65 and <120 at REF_DAT |
| | 2 | PAT_AGE >= 6months < 2 at RUN_DAT |
| | 3 | PAT_AGE >=2 and <16 at RUN_DAT |
| | 4 | PAT_AGE >=16 at RUN_DAT and <65 at REF_DAT* |
| | 5 | PAT_AGE >= 2 AND <3 at START_DATE* |
| | 6 | PAT_AGE >= 3 AND <4 at START_DATE* |

Note: Denominators should be defined by their age on date of extraction, but for the upper limit of the '16 to under 65' age band and for the 'aged 65 and over' age band, they should be defined by their age at 31 March 2014 (this fits with the policy i.e. all those aged 65 years or older by the 31 March 2014 are eligible to receive vaccine in the 2013/14 vaccination programme). For those in the 'aged 2' and 'aged 3' age bands they are defined by their age at 1/9/13.

| | | | | |
|---|---|-------------------------|--------|------|
| 6 | Patients with CNS Disease (including Stroke/TIA) | | | |
| | CNS_GROUP | IF CNSGROUP_DAT <> NULL | Select | Next |

Note: This group contains a large number of codes which was previously split into three groups for MIQUEST. PRIMIS+ have now merged the three groups but have retained the logical grouping's name for this year. de group for CNS.

| | | | | |
|---|--|----------------------|--------|--------|
| 7 | Patients who have Chronic Respiratory Disease | | | |
| | RESP_GROUP | IF AST_GROUP <> NULL | Select | Next |
| | | IF RESP_DAT <> NULL | Select | Reject |

Note: Patients in the Asthma or Respiratory At Risk group combined.

| | | | | |
|---|--|------------------------|---------------|---------------|
| 8 | Patients in Any Clinical Risk Group | | | |
| | <u>ATRISK_GROUP</u> | IF IMMUNOGROUP <> NULL | <i>Select</i> | <i>Next</i> |
| | | IF CKD_GROUP <> NULL | <i>Select</i> | <i>Next</i> |
| | | IF RESP_GROUP <> NULL | <i>Select</i> | <i>Next</i> |
| | | IF DIAB_DAT <> NULL | <i>Select</i> | <i>Next</i> |
| | | IF CLD_DAT <> NULL | <i>Select</i> | <i>Next</i> |
| | | IF CNS_GROUP <> NULL | <i>Select</i> | <i>Next</i> |
| | | IF CHD_DAT <> NULL | <i>Select</i> | <i>Reject</i> |

| | | | | |
|---|---|-----------------------|---------------|---------------|
| 9 | Patients who have received Influenza Vaccination | | | |
| | FLUVAX_GROUP | IF FLUVAX_DAT <> NULL | <i>Select</i> | <i>Next</i> |
| | | IF FLURX_DAT <> NULL | <i>Select</i> | <i>Reject</i> |

Note: Patients who are in the pregnant , Carer or 65 and over At Risk Group are not included here unless they also fall into one of the above At Risk Groups

Note: Combine any Influenza Vaccination Read code given with any Influenza prescription code issues

Indicator 1

Vaccination status of Practice Population.

Output to be broken down by Age bands 1 – 4.

DENOMINATOR:

a) Registration status

| <u>Current registration status</u> | <u>Qualifying criteria</u> |
|---|--|
| Currently registered for GMS | Most recent registration date <= (RUN_DAT) |

b) Demographic status

| <u>Action</u> | <u>Qualifying criteria</u> |
|----------------------|-----------------------------------|
| Excluded | Age < 6 months at (RUN_DAT) |

| | |
|--|--|
| | |
| | |

NUMERATORS:

| | | | |
|---|--|--------|--------|
| 1 | Seasonal Influenza vaccination from 01/09/2011 | | |
| | IF FLUVAX_GROUP <> NULL | Select | Reject |

Indicator 2

Vaccination status of patients in one or more Risk Groups

Output to be broken down by Age bands 2-4

DENOMINATOR:

| 1 | Summary of Patients in one or more Risk Groups | | |
|---|--|--------|--------|
| | IF AGE ON REF_DAT <65 | Select | Next |
| | IF ATRISK_GROUP <> NULL | Select | Reject |

Note: The patient must be aged less than 65 on 31st March 2014 and in one the At Risk Group defined in 8.

NUMERATORS:

| | | | |
|---|--|--------|--------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_GROUP <> NULL | Select | Reject |

Indicator 3(a)

Vaccination status of healthy pregnant women with no risk factors

DENOMINATOR:

| | | | |
|-------------------------|---|---------------|---------------|
| 1 | Pregnant on 31/08/2013 or pregnant between 01/09/2013 and 31/01/2014 (inclusive) with no risk category | | |
| IF ATRISK_GROUP <> NULL | | <i>Reject</i> | <i>Next</i> |
| IF PREG_GROUP <> NULL | | <i>Select</i> | <i>Reject</i> |

Note: The patient must not be in the At Risk Group defined in 8, but must be in the Pregnant At Risk Group defined in 4.

NUMERATORS:

| | | | |
|---|--|---------------|---------------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | <i>Select</i> | <i>Reject</i> |

Indicator 3 (b)

Vaccination status of pregnant women also in a clinical risk group

DENOMINATOR:

| | | | |
|---|--|---------------|---------------|
| 1 | Pregnant on 31/08/2013 or pregnant between 01/09/2013 and 31/01/2014 (inclusive) in a risk category | | |
| | (IF PREG_GROUP <> NULL) AND (IF ATRISK_GROUP <> NULL) | <i>Select</i> | <i>Reject</i> |

Note: The patient must be in the At Risk Group defined in 8, and must also be in the Pregnant At Risk Group defined in 4.

NUMERATORS:

| | | | |
|---|--|---------------|---------------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | <i>Select</i> | <i>Reject</i> |

Indicator 4(a)

Vaccination status of 'age 2 years' cohort (whether or not in a clinical risk group)

DENOMINATOR

| | | | |
|---|--|---------------|---------------|
| 1 | Age 2 (Birth Cohort: 2nd September 2010 – 1st September 2011) | | |
| | IF AGE ON START_DATE = 2 | <i>Select</i> | <i>Reject</i> |

NUMERATOR

| | | | |
|---|--|---------------|---------------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | <i>Select</i> | <i>Reject</i> |

Indicator 4(b)

Vaccination status of 'age 2 years' cohort and in At Risk group

DENOMINATOR

| | | | |
|---|--|---------------|---------------|
| 1 | Age 2 (Birth Cohort: 2nd September 2010 – 1st September 2011) | | |
| | IF ATRISK_GROUP = NULL | <i>Reject</i> | <i>Next</i> |
| | IF AGE ON START_DATE = 2 | <i>Select</i> | <i>Reject</i> |

NUMERATOR

| | | | |
|---|--|---------------|---------------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | <i>Select</i> | <i>Reject</i> |

Indicator 5(a)

Vaccination status of 'age 3 years' cohort (whether or not in a clinical risk group)

DENOMINATOR

| | | | |
|---|--|---------------|---------------|
| 1 | Age 3 (Birth Cohort: 2nd September 2009 – 1st September 2010) | | |
| | IF AGE ON START_DATE = 3 | <i>Select</i> | <i>Reject</i> |

NUMERATOR

| | | | |
|---|--|---------------|---------------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | <i>Select</i> | <i>Reject</i> |

Indicator 5(b)

Vaccination status of 'age 3 years' cohort and in At Risk group

DENOMINATOR

| | | | |
|---|--|---------------|---------------|
| 1 | Age 3 (Birth Cohort: 2nd September 2009 – 1st September 2010) | | |
| | IF ATRISK_GROUP = NULL | <i>Reject</i> | <i>Next</i> |
| | IF AGE ON START_DATE = 3 | <i>Select</i> | <i>Reject</i> |

NUMERATOR

| | | | |
|---|--|---------------|---------------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | <i>Select</i> | <i>Reject</i> |

Indicator 6

Vaccination status of patients with Chronic Heart Disease

Output to be broken down by Age bands 2-4

DENOMINATOR:

| | | | |
|---|--|--------|--------|
| 1 | Patients with Chronic Heart Disease | | |
| | IF CHD_DAT <> NULL | Select | Reject |

NUMERATORS:

| | | | |
|---|--|--------|--------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | Select | Reject |

Indicator 7

Vaccination status of patients with Chronic Respiratory Disease including appropriate Asthma patients

Output to be broken down by Age bands 2-4

DENOMINATOR:

| | | | |
|---|--|--------|--------|
| 1 | Patients with Chronic Respiratory Disease | | |
| | IF RESP_GROUP <> NULL | Select | Reject |

NUMERATORS:

| | | | |
|---|--|--------|--------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | Select | Reject |

Indicator 8

Vaccination status of patients with Chronic Kidney Disease

Output to be broken down by Age bands 2-4

DENOMINATOR:

| | | | |
|---|---|--------|--------|
| 1 | Patients with Chronic Kidney Disease | | |
| | IF CKD_GROUP <> NULL | Select | Reject |

NUMERATORS:

| | | | |
|---|--|--------|--------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | Select | Reject |

Indicator 9

Vaccination status of patients with Chronic Liver Disease

Output to be broken down by Age bands 2-4

DENOMINATOR:

| | | | |
|---|--|--------|--------|
| 1 | Patients with Chronic Liver Disease | | |
| | IF CLD_DAT <> NULL | Select | Reject |

NUMERATORS:

| | | | |
|---|--|--------|--------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | Select | Reject |

Indicator 10

Vaccination status of patients with Diabetes

Output to be broken down by Age bands 2-4

DENOMINATOR:

| | | | |
|---|-------------------------------|--------|--------|
| 1 | Patients with Diabetes | | |
| | IF DIAB_ DAT <> NULL | Select | Reject |

NUMERATORS:

| | | | |
|---|--|--------|--------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | Select | Reject |

Indicator 11

Vaccination status of patients who are immunosuppressed

Output to be broken down by Age bands 2-4

DENOMINATOR:

| | | | |
|---|--|--------|--------|
| 1 | Patients who are Immunosuppressed | | |
| | IF IMMUNO_ GROUP <> NULL | Select | Reject |

NUMERATORS:

| | | | |
|---|--|--------|--------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | Select | Reject |

Indicator 12

Vaccination status of patients with CNS (including Stroke/TIA)

Output to be broken down by Age bands 2-4

DENOMINATOR:

| | | | |
|---|---|---------------|---------------|
| 1 | Patients with CNS (including Stroke/TIA) | | |
| | IF CNS_GROUP<> NULL | <i>Select</i> | <i>Reject</i> |

NUMERATORS:

| | | | |
|---|--|---------------|---------------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | <i>Select</i> | <i>Reject</i> |

Indicator 13

Vaccination status of Carers who are not at risk, nor pregnant, nor 65 or over

Output: < 65*

DENOMINATOR:

| 1 | Carers | | |
|---|-----------------------------|---------------|---------------|
| | IF AGE >=65 AT REF_DAT | <i>Reject</i> | <i>Next</i> |
| | IF ATRISK_GROUP <> NULL | <i>Reject</i> | <i>Next</i> |
| | IF PREG_GROUP <> NULL | <i>Reject</i> | <i>Next</i> |
| | IF CARER_DAT = NULL | <i>Reject</i> | <i>Next</i> |
| | IF CARER_DAT > NOTCARER_DAT | <i>Select</i> | <i>Reject</i> |

Note: Patients are included in this group, where the latest Carer/not Carer Read code recorded is a Carer code. Patients are only included in this group, if they are not present in any other At Risk Group.

NUMERATORS:

| | | | |
|---|--|---------------|---------------|
| 1 | Seasonal Influenza vaccination from 01/09/2013 | | |
| | IF FLUVAX_ GROUP <> NULL | <i>Select</i> | <i>Reject</i> |

****Indicator 14 previously removed****

Change Log

| <u>Version</u> | <u>Date</u> | <u>Author</u> | <u>Change summary</u> |
|----------------|----------------------------|---------------|---|
| 5.0.1 | 10 th July 2013 | DE | Biannual code review covering April 2013 & October 2012; merger of CNS codegroups; review of pregnancy & pregdel code groups; minor other changes; see annex for code changes; inclusion of new 2-3 yr age band |
| 5.0.2 | 16 th July 2013 | DE | Splitting of 2-3 yr age band in line with specification; minor re-titling of indicators |
| 5.0.3 | 15 th Aug 2013 | DE | Amendments to following codegroups: FLUVAX_COD, PREGDEL_COD, CHD_COD, CNSGROUP_COD |
| 5.04 | 15 th Aug 2013 | DE | Minor format changes only |
| 5.05 | 17 th Sept 2013 | DE | Addition to DECL_COD of intranasal vaccine declined codes; minor format change; alteration to disclaimer and its position (prior to any public publication). |
| 5.0.6 | 12 th Nov 2013 | DE | Due to a formatting error, two Read codes were missing from the pdf version 5.0.5. These have now been reinstated. |
| 5.0.7 | 12 th Nov 2013 | DE | Minor changes to Read code groups which weren't previously carried through from Change log: CKD_COD V2 K08yA <i>Proteinuric diabetic nephropathy</i> added in line with Change log CKD_COD V3 X30I8 <i>Rapidly progressive glomerulonephritis</i> added in line with Change log PREGDEL_COD V2 Lyu1. [X]Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium removed in line with Change log PREGDEL_COD V2 L264% Intrauterine death added in line with Change log |
| 5.0.8 | 19 th Nov 2013 | KB | Minor changes to spec which weren't previously carried through from Change log: PREGDEL V2 7F24. <i>Other obstetric operations</i> removed from spec in line with queries PREGDEL V3 Xa41N <i>Born after multiple pregnancy</i> excluded from spec in line with queries IMMRX_COD V2 h32D ACTIKERALL 5mg/g+100mg/g <i>cutaneous solution 25mL</i> excluded from spec in line with queries (change made to queries in Jul 2012) IMMRX_COD V3 h6 <i>Antagonists + cytotoxics</i> removed from spec in line with queries – should have zero impact |

Please note:

Should the survey be extended for a further month, as was the case in the 2010/11 flu season when significant numbers of seasonal flu vaccinations continued into February, the end date for the pregnancy category would need to be revised.

CONSULTATION PERIOD

GP SUPPLIER QUESTIONS AND COMMENTS WILL BE COLLATED AND ADDED TO THE FOLLOWING WEB PAGE:

http://www.primis.nottingham.ac.uk/Seasonal_Flu_QA/index.php

Login and Password details have been emailed to GP Suppliers.

The consultation period closes on 12th August 2013. Any later comments will be logged and taken into account for next year.

Any further queries should be forwarded to: Information.team@primis.nottingham.ac.uk

Advice on READ Code Recording Around Pregnancy for Clinical Users

This advice has been constructed in the context of attempting to identify pregnant women, in support of the administration and monitoring of Influenza Vaccination programmes from Autumn 2010.

The advice, at time of writing, is that women who are pregnant on or after 1/9/13 would form the basis of this at risk subgroup. It is known that the completeness and consistency of history recording using READ codes concerning pregnancy is highly variable between practices. Further, the nature of the READ terms applicable to pregnancy related topics include many that are ambiguous when trying to identify if a woman is pregnant or has delivered and are often embedded in mixed hierarchies. This makes construction of a definitive query set almost impossible in the context of this vaccination programme.

To this end, we recommend that any query results are subject to professional review, possibly including any associated midwifery staff, to avoid recalling patients inappropriately.

To assist in the process, we are recommending the use of core sets of READ terms for both Version 2 (5 byte) and CTV3. The actual query set design will however look at a broader set of terms including those known to be more frequently used, but will not include *all* possible terms. For a small number of terms we have included both the “operation” term and the “clinical finding” or “diagnostic term”.

It should also be recognised that the concept “delivered” also refers to “miscarriage” and “termination of pregnancy” within this guidance.

Version 2 (5 byte) terms

| | |
|---|------------|
| 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
Termination of pregnancy

L264
7E086

(There is no term to represent “medical termination of pregnancy” per se).

CTV3 Terms

| | |
|---|----------------------------------|
| Patient currently pregnant | 621.. |
| Missed abortion | XE0ve |
| Ectopic pregnancy | L03. |
| Miscarriage | L04.. |
| Spontaneous vertex delivery | XaBsU |
| Normal delivery | 7F19. |
| Normal delivery | XE2QS |
| Spontaneous breech delivery | 7F150 (*? Breech delivery X40Cm) |
| Breech extraction delivery | 7F14. |
| Forceps delivery | Xa8Pq |
| Deliveries by vacuum extractor | XE0xG |
| Vacuum delivery | 7F17. |
| Delivery by elective caesarean section | L3983 |
| Elective caesarean section | 7F12. |
| Delivery by emergency caesarean section | L3984 |
| Emergency caesarean section | XM0tg |
| Intrauterine death | L264 |
| Termination of pregnancy | Xa36H |
| Legal Abortion | XE0vi |
| Medical termination of pregnancy | Xa36l |