Data and Business Rules — Dementia Indicator Set					
Author	HSCIC - QOF Business Rules team	Version No	30.0	Version Date	10/10/2014

New GMS Contract QOF Implementation

Dataset and Business Rules Dementia Indicator Set

Amendment History:

The version number starts at 7.1 in order to coincide with existing datasets and business rules.	Version	Date	Amendment History
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7.1 21-Nov-2005 From Phil Brown 7.2 22-Nov-2005 Amended following review by Peter Horsfield 7.3 3-Dec-2005 Draft revised for internal review 7.4 24-Feb-2006 Amended following internal & 4 Countries review 8.0 15-Mar-2006 Signed off following 4 Country review 8.1 18-May-2006 Approved by NHSE 8.5 18-May-2006 Approved by NHSE 8.6 20-Oct-2006 Cotober Read Code Release April SNOMED CT Release 6.6 20-Oct-2006 Cotober Read Code Release April SNOMED CT Release 8.7 16-Nov-2006 Responding to queries raised by 4 Country Review 9.0 30-Nov-2006 Approved by NHSE 9.1 11-Apr-2007 April 2007 Read Code Release 9.1 11-Apr-2007 Signed off following 4 Country review 10.2 23-Sep-2007 October 2007 Read Code Release 11.0 28-Nov-2007 Signed off following 4 Country review 11.1 30-Jun-2008 April 2008 Read Code Release 11.2 21-Jul-2008 Bring Numerator Rule 1 into line with </td <td></td> <td></td> <td>coincide with existing datasets and business</td>			coincide with existing datasets and business
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25.0	28-March-2013	Signed off following consultation
26.0	01-June-2013	April 2013 Read Code Release following HSCIC review
27.0	25-October-2013	October 2013 Read Code Release following HSCIC review
Dates_1415	17-January-2014	Review of proposed date changes for QOF 2014/15
Jan14_Review	23-January-2014	Internal review of changes for 2014/15
28.0	28-March-2014	Signed off following review and negotiations. Changes made to incorporate new date terminology
29.0	27-June-2014	April 2014 Read Code Release following HSCIC review
30.0	10-October-2014	October 2014 Read Code Release following HSCIC review

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New GMS contract Q&O framework implementation

Dataset and business rules - Dementia indicator set

Notes

- 1) QOF has been in operation since 2003 as the landscape within the NHS and Primary Care changes, the QOF dataset and rulesets must change in accordance with that new landscape. QOF is categorised as one of many Quality Services and a Quality Service has a start date (Quality Service Start Date) and an end date (Quality Service End Date). For QOF these reflect the QOF Year (i.e. 1st April to 31st March).
- 2) The specified dataset and rulesets are to support analysis of extracted data to reflect the status at a specified point in time of patient records held by the practice. In the context of this document that specified time point is designated the use of a number of dates. The dates are as follows
 - a) **ACHIEVEMENT_DAT**: The date up to which patient information is considered when determining the output for each extraction.
 - For QOF 2014/15, ACHIEVEMENT_DAT will vary for each extraction depending on the reporting period for that extraction, e.g. for the end of *September* extraction it would have a value of 30.09.2014; for the end of *March* extraction it would have a value of 31.03.2015.
 - b) PAYMENTPERIODEND_DAT: The end date of the period for which payments are made for a given Quality Service. For any given Quality Service there will be one or more payment periods.
 - For QOF 2014/15, PAYMENTPERIODEND_DAT is 31.03.2015
 - c) **QUALITY_SERVICE_START_DAT (QSSD)**: The start of the period during which a GP Practice provides the Quality Service
 - For QOF 2014/15, QUALITY_SERVICE_START_DAT (QSSD) is 01.04.2014, however it is not utilised within the QOF dataset and rulesets.
 - d) **QUALITY_SERVICE_END_DAT (QSED)**: The end of the period during which a GP Practice provides the Quality Service
 - For QOF 2014/15, QUALITY_SERVICE_END_DAT (QSED) is 31.03.2015
- 3) When interpreting these dates midnight is to be taken as meaning
- a) **for the 'start of a period'**: the midnight is at the start of that day, For example; "If <u>CSMOK DAT</u> > (PAYMENTPERIODEND_DAT 24 months)"

 This example is used to determine if a code has been recorded in the 24 months preceding end of the payment period. If PAYMENTPERIODEND_DAT has a value of 31.03.2015, then this condition uses a value of 31.03.2013, but to be true the recorded code must be **after** 31.03.2013 and therefore this equates to the midnight between 31.03.2013 and 01.04.2013. This means information effective on 31st March will be excluded but information effective on 1st April will be included for the extraction.
 - b) for the 'end of a period': the midnight at the end of that day, For example; "Earliest <= ACHIEVEMENT_DAT"</p>
 - This example is used to determine if a recorded code has been recorded before the achievement date. If ACHIEVEMENT_DAT has a value of 30th September (i.e. the end of September extraction) then this condition uses a value of 30.09.2014, but to be true the recorded code must be **on or before** 30.09.2014 and therefore this equates to the midnight between 30.09.2014 and 01.10.2014. This means information

effective on 30th September will be included but information effective on 1st October will be excluded from the extraction.

c) for Patient Age: the midnight at the end of that day, For example;"Patients age (years) at ACHIEVEMENT_DAT"

This example is used to determine a patients age, in years, at the achievement date. If ACHIEVEMENT_DAT has a value of 30th September (i.e. the end of September extraction) then this condition determines a patient age as of 30.09.2014. Therefore this equates to the midnight between 30.09.2014 and 01.10.2014.

- 4) To support accurate determination of the population of patients to which the indicators should relate (the denominator population) these rulesets have been compiled with a prior assumption all of the dates (described in point 2 above) are specified prior to extraction of data and are available for computation in the data extraction routine. The dates are required to be included in the data extraction to support processing of rules that are dependent upon them. It is possible that an alternative approach could be adopted in which rules to determine the denominator population by registration status would be applied as a component of rule processing. If this second approach were to be adopted it would be essential to specify default time criteria for determining the registration characteristics of the denominator population during the data extraction process. Additionally there would be a requirement to supplement the dataset and rulesets to support identification of the appropriate denominator population.
- 5) Clinical codes quoted are (where known) from the October 2014 release of Read codes version 2 and clinical terms version 3 (CTV3). The codes are shown within the document as a 5 character value to show that the Read Code is for a 5-Byte system.
 - i) Where a '%' wildcard is displayed, the Read Code is filled to 5 characters with full-stops. When implementing a search for the Read Code, only the non full-stop values should be used in the search, For example, a displayed Read Code of c1...% should be implemented as a search for c1%, i.e. should find c1 and any of it's children.
 - ii) Where a range of read codes are displayed, the Read Code is filled to 5 characters with full-stops. When implementing the search, only the non full-stop values should be used in the search, For example, a displayed Read Code range of G342. G3z.. should find all codes between G342 and G3z (including any children where applicable).

The version number starts at 7.1 in order to coincide with existing datasets and business rules.

- 6) Datasets comprise a specification of two elements:
 - a) Patient selection criteria. These are the criteria used to determine the patient population against whom the indicators are to be applied.
 - i) Registration status. This determines the current patient population at the practice
 - ii) Diagnostic code status. This determines the current patient population (register size) for a given clinical condition

There are three scenarios within the diagnostic code status, these are where

- There is a single morbidity patient population (disease register) required (e.g. within CHD). Where this occurs, a single set of rules for identifying the patient population is provided.
- There is a single co-morbidity patient population (disease register) required (e.g. within Smoking). Where this occurs, a set of rules for

each morbidity is provided. A patient **must** only be included in the patient population (register size) **once**.

There are multiple patient populations (disease registers) required (e.g. within Heart Failure). Where this occurs, a single set of rules for *each* patient population is provided.

N.B. where there are multiple patient populations (disease registers), it is possible that one or more will also be a co-morbidity patient population (e.g. within Depression)

Where this occurs, details of which register population applies to which indicator(s) are provided. Where the register size applies to an indicator, this is the base denominator population for that indicator.

b) Clinical data extraction criteria. These are the data items to be exported from the clinical system for subsequent processing to calculate points allocations. They are expressed in the form of a MIQUEST 'Report-style' extract of data.

The record of each patient that satisfies the appropriate selection criteria for a given indicator will be interrogated against the clinical data criteria (also appropriate to that indicator). A report of the data contained in the selected records will be exported in the form of a fixed-format tabular report. Each selected patient will be represented by a single row in the report , unless the operator "ALL" is used.

The "ALL" statement is used within the Qualifying Criteria for the Clinical data extraction criteria. Typically the selection for a READCODE_COD cluster field is based on a date of "LATEST" or "EARLIEST". The "ALL" statement is used to select all occurrences of any of the codes within the READCODE_COD cluster. It selects an array of instances, of which there may be more than one for each patient

Rows will contain a fixed number of fields each containing a single data item. The number of fields in each row and their data content will be determined by the clinical data criteria. Data items that match the clinical data criteria will be exported in the relevant field of the report. Where there is no data to match a specific clinical criterion a null field will be exported

- 7) Rulesets are specified as multiple rules to be processed sequentially. Processing of rules should terminate as soon as a 'Reject' or 'Select' condition is encountered
- 8) Rules are expressed as logical statements that evaluate as either 'true' or 'false'. The following operators are required to be supported:

a) > (greater than)

e) AND

b) < (less than)

f) OR

c) = (equal to)

g) NOT

- d) \neq (not equal to)
- 9) Where date criteria are specified with intervals of multiples of months or years these should be interpreted as calendar months or calendar years.

Dataset Specification

1) Patient selection criteria:

a) Registration status

<u>Current registration</u> <u>status</u>	Qualifying criteria
Currently registered for GMS	Most recent registration date <= (ACHIEVEMENT_DAT)
Previously registered for GMS	Any sequential pairing of registration date and deregistration date where both of the following conditions are met: registration date <= (ACHIEVEMENT_DAT); and deregistration date > (ACHIEVEMENT_DAT)

b) Diagnostic code status

Code criteria	Qualifying di	agnostic codes	Time criteria
	Read codes v2	CTV3	
Included	Eu02.% E00% Eu01.% E02y1 E012.% Eu00.% E041. Eu041 F110 F112. F116. A4110	X002w% (excluding X003E%, X001T) Eu02.% XE1Xt E00z. THEN ADD X003G	Earliest <= (ACHIEVEMENT_DAT)
	(Demen	tia codes)	

2) Clinical data extraction criteria

<u>Field</u> <u>Number</u>	<u>Field name</u>	<u>Data item</u>		Qualifying criteria
1	PAT_ID	Patient II) number	Unconditional
2	REG_DAT	Date of patier	nt registration	Latest <= (ACHIEVEMENT_DAT)
		Read codes v2	CTV3	
3	DEMEXC_COD	9hD0. 9hD1.	XaLFo XaLFp	Latest <= (ACHIEVEMENT_DAT)
		(Dementia exceptio	on reporting codes)	
4	DEMEXC_DAT	Date of DE	MEXC_COD	Chosen record
		Read codes v2	CTV3	
5	DEM_COD	Eu02.% E00% Eu01.% E02y1 E012.% Eu00.% Eu041 F110 F112. F116. A4110	X002w% (excluding X003E%, X001T) Eu02.% XE1Xt E00z. THEN ADD X003G	Earliest <= (ACHIEVEMENT_DAT)
		(Codes for	Dementia)	

6	DEM_DAT	Date of DEM_	_COD	Chosen record
		Read codes v2	CTV3	
7	DEMR_COD	6AB	XaMGF	Latest <= (ACHIEVEMENT_DAT)
		(Code for Dementia h	nealth review)	(//6/1121/2/112/11/_5////
8	DEMR_DAT	Date of DEMR	_COD	Chosen record
		Read codes v2	CTV3	Earliest ((>= DEM DAT - 6
9	423 426 FBC_COD 42A 42H	426 42A 42H	Xa96v 426 42A XaIdY	months) AND (<= DEM_DAT + 6 months) AND <= (ACHIEVEMENT_DAT
		(Full blood count tes	st recording)	(ACHIEVEMENT_DAT
10	FBC_DAT	Date of FBC_	COD	Chosen record
		Read codes v2	CTV3	
11	CALC_COD	44h4. 44I8. 44h7. 44h90 44IE. 44ID. 44IC. 44IC0 44h9. 44hD. 4Q721 (Calcium test re	XaDvd XE2q3 XaIRk XaIdR XaIU0 44IC. XaIRn XaX4E XaZyY Xabpr Xabpk	Earliest ((>= DEM_DAT - 6 months) AND (<= DEM_DAT + 6 months) AND <= (ACHIEVEMENT_DAT))
12	CALC_DAT	Date of CALC		Chosen record
	3, 120_3, 11			2.1000.1.10001d

13	GLUC_COD	### Read codes v2 #### #### ##### #### #### #### ####	XaJmX X772z% (excluding Xa974%, XE2mr, XE2ms, XE2mt, XaXcx, XaXdZ, XaXda, XaXdX, XaXdW, XaXdY, XaXee, XaXcf, XaaFu, XaaFo, XaaFq, XaaFn, XaaFs, XaaFp, Xabmv, Xabmw) 44f% XMOly% 44T10 44T11 44T12 44U8. 44U9. XE25Z 44V1. 44V2. 44V3. XaMLQ R102. XaFxf XS7Nb	Earliest ((>= DEM_DAT - 6 months) AND (<= DEM_DAT + 6 months) AND <= (ACHIEVEMENT_DAT))
14	GLUC_DAT	Date of G	LUC_COD	Chosen record
15	RENAL_COD	Read codes v2 44J9. 44JA. 44J3. 44JF. 44JC. 44JD.	CTV3 XM0It XaDvI XE2q5 XaETQ XaERX XaERC	Earliest ((>= DEM_DAT - 6 months) AND (<= DEM_DAT + 6 months) AND <= (ACHIEVEMENT_DAT

		(Renal test recording)))
16	RENAL_DAT	Date of REN	AL_COD	Chosen record
		Read codes v2	CTV3	Fauliagt (/)
17	LIVER_COD	44GA. 44GB. 44E 44EC. 44E9. 44G7. 44G9.	XaLJx XaIRi 44E XaERu XaETf XaES4 XaES3	Earliest ((>= DEM_DAT - 6 months) AND (<= DEM_DAT + 6 months) AND <= (ACHIEVEMENT_DAT))
18	LIVER_DAT	Date of LIVI	ER_COD	Chosen record
19	DEMTFT_COD	Read codes v2 442A. 442W. 442X. (Thyroid function tests for	CTV3 XaELV XaELW XE2wy r dementia screening)	Earliest ((>= DEM_DAT - 6 months) AND (<= DEM_DAT + 6 months) AND <= (ACHIEVEMENT_DAT))
20	DEMTFT_DAT	Date of DEM	TFT_COD	Chosen record
		Read codes v2	CTV3	Earliest ((>= DEM_DAT - 6
21	VITB12_COD	42T 44Le.	XE2pf XaJ27	months) AND (<= DEM_DAT + 6 months)
		(B12 level	tests)	AND <= (ACHIEVEMENT_DAT))

22	VITB12_DAT	Date of VITB	.2_COD	Chosen record
		Read codes v2	CTV3	Earliest ((>= DEM DAT - 6
23	FOL_COD	42U5. 42U4. 42UE.	42U5. 42U4. X76tC	months) AND (<= DEM_DAT + 6 months)
		(Folate level	tests)	AND <= (ACHIEVEMENT_DAT))
24	FOL_DAT	Date of FOL	_COD	Chosen record
		Read codes v2	CTV3	Earliest ((>= DEM_DAT - 6
25	IFCCHBA_COD	42W5.	XaPbt	months) AND (<= DEM_DAT + 6 months) AND <=
		(IFCC HbA1c codes)		(ACHIEVEMENT_DAT
26	IFCCHBA_DAT	Date of IFCCH	BA_COD	Chosen record
		Read codes v2	CTV3	
27	GLUCEXC_COD	8IEG.	XaYH6	Latest <= (ACHIEVEMENT_DAT)
		(Glucose test exce	ption codes)	
28	GLUCEXC_DAT	Date of GLUCE	XC_COD	Chosen record
		Read codes v2	CTV3	Latest <=
29	BLOODEXC_COD	41M	XaZOq	(ACHIEVEMENT_DAT)

Ī				
			(Codes for blood test declined)	
	30	BLOODEXC_DAT	Date of BLOODEXC_COD	Chosen record

Indicator rulesets

1 <u>Indicator DEM001</u>: The contractor establishes and maintains a register of patients diagnosed with dementia.

The terms of this indicator will be satisfied if the practice is able to produce a data extraction according to the above criteria.

No numerator or denominator determination is required.

2 <u>Indicator DEM002</u>: The percentage of patients diagnosed with dementia whose care has been reviewed in a face-to-face review in the preceding 12 months.

a) Denominator ruleset

<u>Rule</u> <u>number</u>	<u>Rule</u>	Action if true	Action if false
1	If <u>DEMR_DAT</u> > (<u>PAYMENTPERIODEND_DAT</u> - 12 months) AND If <u>DEMR_DAT</u> >= <u>DEM_DAT</u>	Select	Next rule
2	If <u>REG_DAT</u> > (<u>PAYMENTPERIODEND_DAT</u> - 3 months)	Reject	Next rule
3	If <u>DEMEXC_DAT</u> > (<u>PAYMENTPERIODEND_DAT</u> – 12 months)	Reject	Next rule
4	If <u>DEM_DAT</u> > (<u>PAYMENTPERIODEND_DAT</u> - 3 months)	Reject	Select

b) Numerator ruleset: To be applied to the above denominator population

<u>Rule</u> <u>number</u>	<u>Rule</u>	Action if true	Action if false
1	If <u>DEMR_DAT</u> > (<u>PAYMENTPERIODEND_DAT</u> – 12 months) AND If <u>DEMR_DAT</u> >= <u>DEM_DAT</u>	Select	Reject

Indicator DEM003: The percentage of patients with a new diagnosis of dementia recorded in the preceding 1 April to 31 March with a record of FBC, calcium, glucose, renal and liver function, thyroid function tests, serum vitamin B12 and folate levels recorded between 6 months before or after entering on to the register.

Overview

This indicator has been developed to measure the effectiveness of the provision of a clinical care component for patients with dementia. The aspect that is being measured is that relating to the provision of a complete set of screening tests.

Disease register

The disease register is made up of patients who are eligible to receive the required care component. In this case, patients who have a diagnosis of dementia (i.e. there is evidence in the patient's electronic health record of a dementia diagnosis code).

Numerator and Denominator

The success criteria for this indicator (numerator) are achieved for those patients in the denominator who have all of the tests recorded (not necessarily on the same day) up to 6 months before or up to 6 months after entering on to the register.

The patients that make up the denominator for this indicator are those patients where it is appropriate for the care component to be carried out. This is the relevant disease register adjusted for exclusions and exceptions.

Exclusions

For this indicator there are three exclusions.

- The indicator is specifically looking at newly diagnosed patients within the QOF period. However, as the tests can be carried out in the 6 months before the diagnosis any patient with a dementia diagnosis in the preceding 18 months needs to be checked. If a patient has a dementia diagnosis which falls outside this time span they will be excluded.
- Consideration has to be made for those patients diagnosed with dementia within 6 months of the end of the QoF period i.e. the 6 month 'window' for the tests would then span 2 years. If at least one of the tests has not been carried then it would be unreasonable for the patient to be considered unsuccessful until the full 6 months are checked, which can only be done in the next QOF period. Such patients are excluded for this year.
- Consideration has to be made for those patients who have been diagnosed with dementia in the previous QOF financial year AND have successful recordings for all the tests in the previous QOF Financial Year because practices will have been rewarded for the indicator in that earlier year. This rule is in place to prevent duplicate payments.

Exceptions

Patients that don't achieve the success criteria of the indicator are checked for valid exceptions.

For this indicator the exceptions are:

- any patient that has a relevant glucose test exception code recorded in the preceding 12 months.
- any patient that has a relevant blood test exception code recorded in the preceding 12 months.
- any patient who has been registered within the last 3 months of the qualifying year (new patient). New patients may be regarded as exceptions if they fulfil the criteria of the indicator but have not yet had all of the tests maybe because there hasn't been an opportunity in the qualifying year to arrange them.
- any patient that has a relevant dementia exception code recorded within the preceding 12 months.
- any patient that has been diagnosed with dementia within the last 3 months of the year (new diagnosis of dementia). Newly diagnosed patients may be regarded as exceptions if they fulfil the criteria of the indicator but have not yet had the tests maybe because there hasn't been an opportunity in the qualifying year to arrange them.

Note: For the 'new' dementia patient exception, this is only applicable for the first 'ever' diagnosis of dementia for the patient. For a subsequent diagnosis, this exception rule is not considered.

<u>Indicator DEM003:</u> The percentage of patients with a new diagnosis of dementia recorded in the preceding 1 April to 31 March with a record of FBC, calcium, glucose, renal and liver function, thyroid function tests, serum vitamin B12 and folate levels recorded between 6 months before or after entering on to the register.

a) Denominator ruleset

<u>Rule</u> number	<u>Rule</u>	Action if true	Action if false
1	If <u>DEM_DAT</u> <= (<u>PAYMENTPERIODEND_DAT</u> - 18 months)	Reject	Next rule
2	If DEM DAT > (PAYMENTPERIODEND DAT - 6 months) AND (If FBC DAT = Null OR CALC DAT = Null OR (GLUC DAT = Null AND IFCCHBA DAT = Null) OR RENAL DAT = Null OR LIVER DAT = Null OR DEMTFT DAT = Null OR VITB12 DAT = Null OR FOL DAT = Null)	Reject	Next Rule
3	If FBC DAT <= (PAYMENTPERIODEND DAT - 12 months) AND CALC DAT <= (PAYMENTPERIODEND DAT - 12 months) AND (GLUC DAT <= (PAYMENTPERIODEND DAT - 12 months) OR IFCCHBA DAT <= (PAYMENTPERIODEND DAT - 12 months)) AND RENAL DAT <= (PAYMENTPERIODEND DAT - 12 months) AND LIVER DAT <= (PAYMENTPERIODEND DAT - 12 months)	Reject	Next rule

DEMTFT_DAT <= (PAYMENTPERIODEND_DAT - 12 months) AND VITB12_DAT <= (PAYMENTPERIODEND_DAT - 12 months)	
VITB12 DAT <= (PAYMENTPERIODEND DAT - 12	
inches)	
AND	
FOL DAT <= (PAYMENTPERIODEND DAT – 12 months)	
AND	
DEM_DAT <= (PAYMENTPERIODEND_DAT - 12 months)	
If <u>FBC_DAT_</u> ≠ Null	
AND	
<u>CALC_DAT</u> ≠ Null	
AND	
(GLUC DAT ≠ Null OR IFCCHBA DAT ≠ Null)	
AND	
RENAL DAT ≠ Null	
4 AND Select Next re	ule
<u>LIVER_DAT</u> ≠ Null	
AND	
<u>DEMTFT_DAT</u> ≠ Null	
AND	
<u>VITB12_DAT</u> ≠ Null	
AND	
<u>FOL DAT</u> ≠ Null	
If <u>FBC_DAT</u> ≠ Null	
5 AND Reject Next re	ule
<u>CALC DAT</u> ≠ Null	

	AND		
	GLUCEXC DAT > (PAYMENTPERIODEND DAT – 12 months)		
	AND		
	RENAL DAT ≠ Null		
	AND		
	<u>LIVER_DAT</u> ≠ Null		
	AND		
	<u>DEMTFT_DAT</u> ≠ Null		
	AND		
	<u>VITB12 DAT</u> ≠ Null		
	AND		
	<u>FOL_DAT</u> ≠ Null		
6	If <u>BLOODEXC_DAT</u> > (<u>PAYMENTPERIODEND_DAT</u> – 12 months)	Reject	Next rule
7	If <u>REG_DAT</u> > (<u>PAYMENTPERIODEND_DAT</u> - 3 months)	Reject	Next rule
8	If <u>DEMEXC_DAT</u> > (<u>PAYMENTPERIODEND_DAT</u> – 12 months)	Reject	Next rule
9	If <u>DEM_DAT</u> > (<u>PAYMENTPERIODEND_DAT</u> - 3 months)	Reject	Select

b) Numerator ruleset: To be applied to the above denominator population

<u>Rule</u> number	<u>Rule</u>	Action if true	Action if false
	If <u>FBC_DAT</u> ≠ Null		
	AND		
	<u>CALC DAT</u> ≠ Null		
	AND		
1	(GLUC DAT ≠ Null OR IFCCHBA DAT ≠ Null)	Select	Reject
	AND		
	RENAL DAT ≠ Null		
	AND		
	<u>LIVER_DAT</u> ≠ Null		

AND	
<u>DEMTFT_DAT</u> ≠ Null	
AND	
<u>VITB12 DAT</u> ≠ Null	
AND	
<u>FOL_DAT</u> ≠ Null	

Additional Notes:

Denominator

Exclusions

Rule 1: This indicator is looking at patients who are newly diagnosed with dementia in the preceding 18 months. So the objective of this rule is to exclude patients from the register whose first diagnosis was before this. If the patient is newly diagnosed within this 18 month time period they are passed on to the next rule.

Rule 2: The objective of this rule is to check that patients who have not achieved the **full** success criteria, but were diagnosed in the last 6 months of the QOF period, are not included in the denominator (or numerator). Subsequent rules ensure that this patient would be 'checked' in the following QOF period to ensure whether or not the full set of tests were carried out.

If the patient has not been newly diagnosed in the last 6 months of the period they are passed on to the next rule.

If a patient has been newly diagnosed in the last 6 months of the period **and** all the tests have been carried out as intended they are also passed on to the next rule.

Rule 3: The objective of this rule is to identify patients who have a dementia diagnosis in the previous QOF Financial Year and have successful recordings for **all** the tests in the previous QOF Financial Year.

If the patient was diagnosed with dementia in the previous QOF Financial Year, has recordings of **all** the tests (FBC, calcium test, glucose test, renal test, liver test, thyroid function test, serum vitamin B12, folate levels test) in the previous QOF financial year and they are all within the appropriate timeframe from diagnosis they are rejected from the denominator. The practice will have been rewarded for this indicator in the previous QOF financial year.

If not they are passed on to the next rule.

Success

Rule 4: The objective of this rule is to identify patients who have successful recordings for all the tests. The patient must have recordings of all the tests (FBC, calcium test, glucose test, renal test, liver test, thyroid function test, serum vitamin B12, folate levels test) within 6 months before a diagnosis or up to 6 months after a diagnosis.

If the patient does not have all tests recorded within the appropriate time frame (<u>as specified</u> in the clinical data extraction criteria) they are passed on to the next rule.

Exceptions

It is worth remembering at this point that if a patient has a recording of all the tests within 6 months before a diagnosis or up to 6 months after a diagnosis then they will already have been selected into the denominator in Rule 4.

Rule 5: The aim of this rule is to identify any patient with a successful recording for the FBC, calcium test, renal test, liver test, thyroid function test, serum vitamin B12 and folate levels tests but with a relevant glucose test exception code also recorded. If this glucose test exception code has been recorded in the preceding 12 months, the patient can be excepted and is not included in the denominator. Otherwise they are passed on to the next rule.

Rule 6: The aim of this rule is to identify any patient that has a valid blood test exception code recorded. If this has been recorded in the preceding 12 months, the patient can be excepted and is not included in the denominator. Otherwise they are passed on to the next rule.

Rule 7: The aim of this rule is to identify any patient that 'recently registered' at the practice. If the patient has registered at the practice in the last 3 months, the patient should not be included in the denominator. If the patient was not registered in the last 3 months they are passed on to the next rule.

Rule 8: The aim of this rule is to identify any patient that has a valid dementia exception code recorded. If this has been recorded in the preceding 12 months, the patient can be excepted and is not included in the denominator. Otherwise they are passed on to the next rule.

Rule 9: The aim of this rule is to identify any patient that has been 'recently diagnosed' as a dementia patient. If the patient has been diagnosed with dementia in the last 3 months, the patient can be excepted and is not included in the denominator. Otherwise the patient is selected into the denominator.

Numerator

The success criterion for this indicator is as per Denominator Rule 4.