



Renal Cancer

Measurability of Quality Performance Indicators Version 2.4

To be read in conjunction with:

- **Renal Cancer Clinical Quality Performance Indicators**
- **Renal Cancer Data Definitions (latest published version) (for patients diagnosed from 01/01/14)**

Measurability of Quality Performance Indicators for Renal Cancer

Please refer to the [Renal Cancer Quality Performance Indicators](#) published by Healthcare Improvement Scotland for a full description of individual QPIs

Please refer to the [Renal Cancer QPI Dataset](#) published by ISD Scotland for a full description of individual data items

Document control:

This version

Title	Renal Cancer Measurability of QPIs	Version/Issue Number	2.4
Effective From	01/01/2014	Author	Jane Garrett, ISD
Document Type	Guidance	Document status	Final
Document Purpose	To support changes made to the dataset out-with review.		
Summary of changes	Baseline review updates		

Revision History

Version	Status	Summary of Changes	QPI (s)
0.1 Feb 2012	Draft		All
0.2 Mar 2012	Draft	Update following comments from Iona Scott	All
1.0 Jan 2013	Final	Updated following public engagement comments and clarifications from Iona Scott, to reflect changes to QPIs and dataset, and reformatted to agreed convention	All
1.1 Mar 2013	Final	V1.0 reformatted to agreed convention as per May 2012 meeting, and Not recorded specification updated as agreed with Roger Black Jan 2013, and checked against published QPIs and dataset.	All
2.0 Sep 2013	Final	Amendments made as per agreed changes following 9 month review, updated with new MDT QPI, and checked against published QPIs and dataset.	All
2.1 June 2014	Final	Amendments made out-with review, incorporating additional data item into the dataset updating the MDT QPI.	4
2.2 Jan 2015	Draft	Baseline review changes made	1,4,6,7,9
2.2 April 2015	Final	Baseline review changes agreed and published	1,4,6,7,9
2.3 June 2015	Final	Amendment to QPI 4 outwith review	4
2.4 Nov 2015	Final	Amendment outwith review	1,3,5,7,8,9

Updates from Previous Version

QPI	Summary of changes (excluding formatting changes) (November 2015)
1	(Query 1101) CONAGENT=99 moved from NR Exclusions to NR Numerator
3	(Query 1085) Num changed to Clinical Staging - TNM - [cT <> 96] AND [cN <> 96] AND [cM <> 96]
5	(Query 1098) FUHRMAN=99 removed from NR numerator
7	(Query 1085) Nr exclusion remove OPCODE 1

8	(Query 1085) NR NUM add DOD = '09/09/0909' OR FIRS TTREATDATE = '09/09/0909
9	(Query 1099) Remove SYSTDATE=10/10/1010 and DOD=10/10/1010 from denominator; (Query 717) NR denominator delete T-M from 99 codes, cN=99 deleted

QPI	Summary of changes (excluding formatting changes) (June 2015)
4	Numerator amended to [MDTDATE <> 10/10/1010] AND ([MDTDATE ≤ DEFTREATDATE] OR [DEFTREATDATE = 10/10/1010])

QPI	Summary of changes (excluding formatting changes) (January 2015)
1	changing the numerator to read "CT of the chest and abdomen +/- pelvis"
4	OR [DEFTREATDATE <> 10/10/1010 added to Numerator following comments received.
6	Update denominator for Type of First Cancer Treatment' to include 'or Patient Refused All Therapies' and deleted 'patient refused surgery' from Definitive Operative Procedure. Numerator updated with M02.1 OR M02.2 OR M02.3 OR M02.4 OR as per query 788.
7	Update denominator for Type of First Cancer Treatment' to include 'or Patient Refused All Therapies' and deleted 'patient refused surgery' from Definitive Operative Procedure.
9	Denominator updated with '[(SYSTDATE=10/10/1010 and DOD=10/10/1010 AND DATECOMP - DIAGDATE ≥ 365 days) OR (SYSTDATE-DIAGDATE < 365 days) OR (DOD - DIAGDATE < 365 days)]'. Numerator updated with [SYSTDATE <> 10/10/1010] AND following comments received.

QPI	Summary of changes (excluding formatting changes) (June 2014)
4	Amended MDT QPI

QPI	Summary of changes (excluding formatting changes) (September 2013)
1	Amended numerator calculation for complete staging investigations, and added new surgical code to denominator.
2	Amended numerator, now based on histological diagnosis and amended denominator code for not assessable.
3	Amended numerator codes for 'Not applicable'.
4	Inserted new MDT QPI.
5	Previously QPI 4. Added new surgical code to denominator.
6	Previously QPI 5. Removed reference to surgical procedure type from denominator calculation and updated not recorded section.
7	Previously QPI 6. Removed reference to surgical procedure type from denominator calculation and updated not recorded section.
8	Previously QPI 7. Amended calculation to separate denominator based on first treatment.
9	Previously QPI 8. Simplified denominator calculation and corrected 'Not recorded' codes.

QPI 1 - Radiological Diagnosis

QPI Title:	Patients with renal cancer should have cross sectional imaging for staging of Renal Cell Carcinoma (RCC).
Description:	Proportion of patients with RCC who undergo pre-treatment cross-sectional imaging of the chest and abdomen and +/- pelvis.
Numerator:	<p>Number of patients receiving active treatment with a diagnosis of RCC who undergo cross-sectional imaging (CT) of the chest, abdomen +/- pelvis (with contrast) before first treatment.</p> <p>'Date Staging Investigations Complete' before 'Date of First Cancer Treatment'; AND 'Staging Investigations Complete' coded as 'Yes'</p> <p>[SINVESTDATE < FIRSSTREATDATE] AND [SINVEST = 1] AND [CONAGENT = 2]</p>
Denominator:	<p>All patients receiving active treatment (partial or radical nephrectomy, cryotherapy, radio frequency ablation or systemic therapy) with a diagnosis of RCC (Excluding Patients who refuse treatment; Patients who underwent cross sectional imaging (CT) without intra venous (IV) contrast; and Patients who died before first treatment).</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; AND 'Morphology of Tumour' coded as RCC; AND (('Type of First Cancer Treatment' coded as 'Surgery' AND 'Definitive Operative Procedure' coded as 'Radical Nephrectomy' or 'Partial Nephrectomy' or 'Nephrectomy & excision of perirenal tissue' or 'Bilateral Nephrectomy' or 'Nephroureterectomy NEC') OR 'Type of First Cancer Treatment' coded as 'Systemic Therapy' or 'Radiofrequency Ablation' or 'Cryotherapy'); AND 'Type of First Cancer Treatment' not coded as 'Patient refused all therapies' or 'Patient died before treatment'; AND 'Contrast Agent Administered Status' not coded as 'Imaging without contrast agent'</p> <p>[MORPHOL = 8260/3 OR 8310/3 OR 8312/3 OR 8316/3 OR 8317/3 OR 8318/3 OR 8319/3 OR 6666/6] AND (([FIRSTTREATMODE = 1] AND [OPCODE1 = M02.5 OR M03.9 OR M02.1 OR M02.3 OR M02.2]) OR [FIRSTTREATMODE = 13 OR 15 OR 16]) AND [FIRSTTREATMODE <> (14 OR 95)] AND [CONAGENT <> 1]</p>
Not recorded for numerator	<p>Include in the denominator for measurement against the target. Present as not recorded only if the patient cannot otherwise be identified as having met/not met the target</p> <p>[SINVESTDATE = 09/09/0909] OR [FIRSTTREATDATE = 09/09/0909] OR [SINVEST = 99] OR [CONAGENT = 99]</p>
Not recorded for exclusion	<p>Include in the denominator for measurement against the target unless there is other definitive evidence that the record should be excluded. Present as not recorded only where the record cannot otherwise be definitively identified as an inclusion/exclusion for this standard.</p> <p><i>NB Patients not recorded for FIRSTTREATMODE are excluded from the denominator</i></p>
Not recorded for denominator	<p>Exclude from the denominator for measurement against the target. Present as not recorded only where the patient cannot otherwise be definitively identified as an inclusion/exclusion for this standard</p> <p>[MORPHOL = 9999/9] OR [FIRSTTREATMODE = 99] OR [OPCODE1 = 99]</p>

QPI 2 - Histological Diagnosis

QPI Title:	Patients with renal cancer not undergoing surgery should have a histological diagnosis prior to commencing treatment.
Description:	Proportion of patients with RCC where surgery is not the primary treatment who have a histological diagnosis before treatment, via biopsy.
Numerator:	<p>Number of patients with RCC for whom surgery is not first treatment who have a histological diagnosis (confirmed by biopsy) before first treatment.</p> <p>'Date of Histological Diagnosis' before 'Date of First Cancer Treatment'; AND 'Most Valid Basis of Diagnosis' coded as 'Histology of Primary' or 'Histology of Metastases'</p> <p>[HDIAG < FIRSSTREATDATE] AND [VALID = 7 OR 6]</p>
Denominator:	<p>All patients with RCC for whom surgery is not first treatment (Excluding Patients who refuse treatment; Patients receiving supportive care only (not for active treatment); Patients receiving active surveillance; Patients who died before treatment; and Histology not assessable).</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; AND 'Type of First Treatment' NOT coded as 'Surgery' ; AND 'Morphology of Tumour' coded as RCC; AND 'Type of First Cancer Treatment' not coded as 'Supportive Care Only' or 'Patient refused all therapies' or 'Active Surveillance' or 'Patient died before treatment' ; AND 'Morphology of tumour' not coded as 'Clinical/Radiological only diagnosis of renal cell carcinoma, not assessable or negative.'</p> <p>[FIRSTTREATMODE <> 1] AND [MORPHOL = 8260/3 OR 8310/3 OR 8312/3 OR 8316/3 OR 8317/3 OR 8318/3 OR 8319/3 OR 6666/6] AND [FIRSTTREATMODE <> (7 OR 95 OR 12 OR 14)] AND [MORPHOL <> 6666/6]</p>
Not recorded for numerator	<p>Include in the denominator for measurement against the target. Present as not recorded only if the patient cannot otherwise be identified as having met/not met the target</p> <p>[FIRSTTREATDATE = 09/09/0909] OR [VALID = 99]</p>
Not recorded for exclusion	<p>Include in the denominator for measurement against the target unless there is other definitive evidence that the record should be excluded. Present as not recorded only where the record cannot otherwise be definitively identified as an inclusion/exclusion for this standard.</p> <p><i>NB Patients not recorded for FIRSTTREATMODE and MORPHOL are excluded from the denominator</i></p>
Not recorded for denominator	<p>Exclude from the denominator for measurement against the target. Present as not recorded only where the patient cannot otherwise be definitively identified as an inclusion/exclusion for this standard</p> <p>[FIRSTTREATMODE = 99] OR [MORPHOL = 9999/9]</p>

QPI 3 - Clinical Staging – TNM

QPI Title:	The TNM staging system should be used to stage patients with Renal Cell Carcinoma (RCC).
Description:	Proportion of patients whose RCC is staged pre-treatment using the TNM staging system.
Numerator:	<p>Number of patients diagnosed with RCC who were clinically staged using TNM staging system before first treatment.</p> <p>'TNM Tumour Classification (Clinical) (Kidney) (Pre-treatment)' NOT coded as 'Not applicable'; AND 'TNM Nodal Classification (Clinical) (Kidney) (Pre-treatment)' NOT coded as 'Not applicable'; AND 'TNM Metastasis Classification (Clinical) (Kidney) (Pre-treatment)' NOT coded as 'Not applicable'</p> <p>[cT <> 96] AND [cN <> 96] AND [cM <> 96]</p>
Denominator:	<p>All patients diagnosed with RCC (No exclusions).</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; AND 'Morphology of Tumour' coded as RCC</p> <p>[MORPHOL = 8260/3 OR 8310/3 OR 8312/3 OR 8316/3 OR 8317/3 OR 8318/3 OR 8319/3 OR 6666/6]</p>
Not recorded for numerator	<p>Include in the denominator for measurement against the target. Present as not recorded only if the patient cannot otherwise be identified as having met/not met the target</p> <p>[cT <> 99] OR [cN <> 99] OR [cM <> 99]</p>
Not recorded for exclusion	<p>Include in the denominator for measurement against the target unless there is other definitive evidence that the record should be excluded. Present as not recorded only where the record cannot otherwise be definitively identified as an inclusion/exclusion for this standard.</p> <p>N/A</p>
Not recorded for denominator	<p>Exclude from the denominator for measurement against the target. Present as not recorded only where the patient cannot otherwise be definitively identified as an inclusion/exclusion for this standard</p> <p>[MORPHOL = 9999/9]</p>

QPI 4 – Multi-Disciplinary Team Meeting (MDT)

QPI Title:	Patients with newly diagnosed renal cancer should be discussed by a multi-disciplinary team prior to definitive treatment.
Description:	Proportion of patients with renal cancer who are discussed at MDT meeting before definitive treatment.
Numerator	<p>Number of patients with renal cancer discussed at the MDT before definitive treatment.</p> <p>Date Discussed by Care Team (MDT) not coded as not applicable; AND Date Discussed by Care team is before or equal to Date of Definitive Treatment OR Date of Definitive Treatment is coded as not applicable</p> <p>[MDTDATE <> 10/10/1010] AND ([MDTDATE ≤ DEFTREATDATE] OR [DEFTREATDATE = 10/10/1010])</p>
Denominator	<p>All patients diagnosed with Renal cancer (excluding patients who died before first treatment).</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; AND 'Morphology of Tumour' coded as renal cancer; AND 'Type of First Cancer Treatment not coded as Patient died before treatment'.</p> <p>[MORPHOL = 8260/3 OR 8310/3 OR 8312/3 OR 8316/3 OR 8317/3 OR 8318/3 OR 8319/3 OR 6666/6] AND [FIRSTTREATMODE <> 14]</p>
Not recorded for numerator	<p>Include in the denominator for measurement against the target. Present as not recorded only if the patient cannot otherwise be identified as having met/not met the target</p> <p>[MDTDATE = 09/09/0909] OR [DEFTREATDATE = 09/09/0909]</p>
Not recorded for exclusion	<p>Include in the denominator for measurement against the target unless there is other definitive evidence that the record should be excluded. Present as not recorded only where the record cannot otherwise be definitively identified as an inclusion/exclusion for this standard.</p> <p>[FIRSTTREATMODE = 99]</p>
Not recorded for denominator	<p>Exclude from the denominator for measurement against the target. Present as not recorded only where the patient cannot otherwise be definitively identified as an inclusion/exclusion for this standard</p> <p>[MORPHOL = 9999/9]</p>

QPI 5 - Histological Grading

QPI Title:	Fuhrman grading system should be used to grade clear cell Renal Cell Carcinoma (RCC).
Description:	Proportion of patients whose RCC is histopathologically graded using the Fuhrman grading system.
Numerator:	<p>Number of patients with histological diagnosis of RCC on a surgical resection specimen whose clear cell RCC is graded using the Fuhrman grading system.</p> <p>'Fuhrman Grade' coded as Grade 1-4</p> <p>[FUHRMAN = 1 OR 2 OR 3 OR 4]</p>
Denominator:	<p>All patients with clear cell RCC who undergo surgical resection (No exclusions).</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; AND 'Morphology of Tumour' coded as RCC; AND 'Definitive Operative Procedure' coded as 'Radical Nephrectomy' or 'Partial Nephrectomy' or 'Nephrectomy & excision of perirenal tissue' or 'Bilateral Nephrectomy' or 'Nephroureterectomy NEC'</p> <p>[MORPHOL = 8310/3] AND [OPCODE1 = M02.5 OR M03.9 OR M02.1OR M02.3 OR M02.2]</p>
Not recorded for numerator	<p>Include in the denominator for measurement against the target. Present as not recorded only if the patient cannot otherwise be identified as having met/not met the target</p> <p>`</p>
Not recorded for exclusion	<p>Include in the denominator for measurement against the target unless there is other definitive evidence that the record should be excluded. Present as not recorded only where the record cannot otherwise be definitively identified as an inclusion/exclusion for this standard.</p> <p>N/A</p>
Not recorded for denominator	<p>Exclude from the denominator for measurement against the target. Present as not recorded only where the patient cannot otherwise be definitively identified as an inclusion/exclusion for this standard</p> <p>[MORPHOL = 9999/9] OR [OPCODE1 = 99]</p>

QPI 6 - Surgical Treatment

QPI Title:	Patients with non-metastatic renal cancer should receive appropriate surgical treatment.
Description:	Proportion of patients with non metastatic (T1-3 N0 M0) Renal Cell Carcinoma, not suitable for nephron sparing surgery, treated by radical nephrectomy (either open or laparoscopic procedure).
Numerator:	<p>Number of patients with T1-3 N0 M0 RCC without evidence of metastatic disease at diagnosis who undergo radical nephrectomy (either by open or laparoscopic procedure).</p> <p>'Definitive Operative Procedure' coded as 'Radical nephrectomy'</p> <p>[OPCODE1 = M02.1 OR M02.2 OR M02.3 OR M02.4 OR M02.5]</p>
Denominator:	<p>All patients with T1-3 N0 M0 RCC without evidence of metastatic disease at diagnosis (Excluding Patients who refused treatment; Patients who undergo nephron sparing treatment (partial nephrectomy, cryotherapy or RFA); Patients receiving supportive care only (not for active treatment); Patients receiving active surveillance (no active treatment); Patients who died before treatment).</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; AND 'TNM Tumour Classification (Clinical) (Kidney) (Pre-treatment)' coded as T1-3; AND 'TNM Nodal Classification (Clinical) (Kidney) (Pre-treatment)' coded as N0; AND 'TNM Metastasis Classification (Clinical) (Kidney) (Pre-treatment)' coded as M0; AND 'Morphology of Tumour' coded as RCC; AND 'Type of First Cancer Treatment' not coded as 'Supportive Care Only' or 'Active Surveillance' or 'Patient died before treatment' or 'Radiofrequency Ablation' or 'Cryotherapy' or Patient Refused All Therapies'; AND 'Definitive Operative Procedure' not coded as 'Partial nephrectomy'</p> <p>[cT = T1 OR T1a OR T1b OR T2 OR T3 OR T3a OR T3b OR T3c] AND [cN = N0] AND [cM = M0] AND [MORPHOL = 8260/3 OR 8310/3 OR 8312/3 OR 8316/3 OR 8317/3 OR 8318/3 OR 8319/3 OR 6666/6] AND [FIRSTTREATMODE <> 7 OR 12 OR 14 OR 15 OR 16 OR 95] AND [OPCODE1 <> M03.9]</p>
Not recorded for numerator	<p>Include in the denominator for measurement against the target. Present as not recorded only if the patient cannot otherwise be identified as having met/not met the target</p> <p>[OPCODE1 = 99]</p>
Not recorded for exclusion	<p>Include in the denominator for measurement against the target unless there is other definitive evidence that the record should be excluded. Present as not recorded only where the record cannot otherwise be definitively identified as an inclusion/exclusion for this standard.</p> <p>[FIRSTTREATMODE = 99] AND [OPCODE1 = 99]</p>
Not recorded for denominator	<p>Exclude from the denominator for measurement against the target. Present as not recorded only where the patient cannot otherwise be definitively identified as an inclusion/exclusion for this standard</p> <p>[MORPHOL = 9999/9] OR [cT = 99] OR [cN = 99] OR [cM = 99]</p>

QPI 7 - Nephron Sparing Surgery

QPI Title:	Patients with T1a renal cancer should receive Nephron Sparing Surgery (NSS).
Description:	Proportion of patients with T1a N0 M0 RCC who undergo NSS (laparoscopic partial nephrectomy or open partial nephrectomy).
Numerator:	<p>Number of patients with T1a N0 M0 RCC undergoing NSS (laparoscopic partial nephrectomy or open procedure partial nephrectomy).</p> <p>'Definitive Operative Procedure' coded as 'Partial nephrectomy'</p> <p>[OPCODE1 = M03.9]</p>
Denominator:	<p>All patients with T1a N0 M0 RCC (Excluding Patients who refuse treatment; Patients who receive RFA/Cryotherapy; Patients receiving supportive care only (not for active treatment); Patients receiving active surveillance (no active treatment); Patients who died before treatment).</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; AND 'TNM Tumour Classification (Clinical) (Kidney) (Pre-treatment)' coded as T1a; AND 'TNM Nodal Classification (Clinical) (Kidney) (Pre-treatment)' coded as N0; AND 'TNM Metastasis Classification (Clinical) (Kidney) (Pre-treatment)' coded as M0; AND 'Morphology of Tumour' coded as RCC; AND 'Type of First Cancer Treatment' not coded as 'Supportive Care Only' or 'Active Surveillance' or 'Patient died before treatment' or 'Radiofrequency Ablation' or 'Cryotherapy' or Patient Refused All Therapies';</p> <p>[cT = T1a] AND [cN = N0] AND [cM = M0] AND [MORPHOL = 8260/3 OR 8310/3 OR 8312/3 OR 8316/3 OR 8317/3 OR 8318/3 OR 8319/3 OR 6666/6] AND [FIRSTTREATMODE <> 7 OR 8 OR 12 OR 14 OR 15 OR 16 OR 95]</p>
Not recorded for numerator	<p>Include in the denominator for measurement against the target. Present as not recorded only if the patient cannot otherwise be identified as having met/not met the target</p> <p>[OPCODE1 = 99]</p>
Not recorded for exclusion	<p>Include in the denominator for measurement against the target unless there is other definitive evidence that the record should be excluded. Present as not recorded only where the record cannot otherwise be definitively identified as an inclusion/exclusion for this standard.</p> <p>[FIRSTTREATMODE = 99]</p>
Not recorded for denominator	<p>Exclude from the denominator for measurement against the target. Present as not recorded only where the patient cannot otherwise be definitively identified as an inclusion/exclusion for this standard</p> <p>[MORPHOL = 9999/9] OR [cT = 99] OR [cN = 99] OR [cM = 99]</p>

QPI 8 - 30 Day Mortality

QPI Title:	30 Day Mortality
Description:	Proportion of patients who die within 30 days of first treatment for RCC.
Numerator:	<p>Number of patients who undergo minimally invasive (RFA, Cryotherapy, SACT) or operative treatment as first treatment for RCC who die within 30 days of first treatment.</p> <p>'Date of Death' minus 'Date of First Cancer Treatment' less than or equal to 30 days; AND Date of Death is not coded as Not applicable</p> <p>[DOD - FIRSTTREATDATE ≤ 30] AND [DOD <> 10/10/1010]</p>
Denominator:	<p>All patients who undergo minimally invasive (RFA, cryotherapy, SACT) or operative treatment as first treatment for RCC (Excluding Patients who undergo emergency surgery (nephrectomy)).</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; AND 'Morphology of Tumour' coded as RCC; AND 'Surgical Presentation Type' not coded as 'Emergency'; AND 'Definitive Operative Procedure' coded as 'Radical Nephrectomy' or 'Partial Nephrectomy' or 'Nephrectomy & excision of perirenal tissue' or 'Bilateral Nephrectomy'; AND 'Type of First Cancer Treatment' coded as 'surgery' or 'Radiofrequency Ablation' or 'Cryotherapy' or 'SACT' (presented separately)</p> <p>SURGERY</p> <p>[MORPHOL = 8260/3 OR 8310/3 OR 8312/3 OR 8316/3 OR 8317/3 OR 8318/3 OR 8319/3 OR 6666/6] AND [FIRSTTREATMODE = 1] AND ([PRESENT <> 2] AND [OPCODE1 = M02.5 OR M03.9 OR M02.1 OR M02.3 OR M02.2])</p> <p>CRYOTHERAPY</p> <p>[MORPHOL = 8260/3 OR 8310/3 OR 8312/3 OR 8316/3 OR 8317/3 OR 8318/3 OR 8319/3 OR 6666/6] AND [FIRSTTREATMODE = 16] AND ([PRESENT <> 2] AND [OPCODE1 = M02.5 OR M03.9 OR M02.1 OR M02.3 OR M02.2])</p> <p>RFA</p> <p>[MORPHOL = 8260/3 OR 8310/3 OR 8312/3 OR 8316/3 OR 8317/3 OR 8318/3 OR 8319/3 OR 6666/6] AND [FIRSTTREATMODE = 15] AND ([PRESENT <> 2] AND [OPCODE1 = M02.5 OR M03.9 OR M02.1 OR M02.3 OR M02.2])</p> <p>SACT</p> <p>[MORPHOL = 8260/3 OR 8310/3 OR 8312/3 OR 8316/3 OR 8317/3 OR 8318/3 OR 8319/3 OR 6666/6] AND [FIRSTTREATMODE = 13] AND ([PRESENT <> 2] AND [OPCODE1 = M02.5 OR M03.9 OR M02.1 OR M02.3 OR M02.2])</p>

Not recorded for numerator	<p>Include in the denominator for measurement against the target. Present as not recorded only if the patient cannot otherwise be identified as having met/not met the target</p> <p>DOD = '09/09/0909' OR FIRSTTREATDATE = '09/09/0909</p>
Not recorded for exclusion	<p>Include in the denominator for measurement against the target unless there is other definitive evidence that the record should be excluded. Present as not recorded only where the record cannot otherwise be definitively identified as an inclusion/exclusion for this standard.</p> <p><u>RFA, Cryotherapy, SACT, and Surgery</u></p> <p>[PRESENT = 99] AND [OPCODE1 = 99]</p>
Not recorded for denominator	<p>Exclude from the denominator for measurement against the target. Present as not recorded only where the patient cannot otherwise be definitively identified as an inclusion/exclusion for this standard</p> <p><u>RFA, Cryotherapy, SACT, and Surgery</u></p> <p>[MORPHOL = 9999/9] OR [FIRSTTREATMODE = 99]</p>

QPI 9 - Systemic Therapy

QPI Title:	Patients with advanced and/or metastatic renal cell carcinoma (RCC) should receive systemic therapy between diagnosis and death.
Description:	Proportion of patients presenting with advanced and/or metastatic RCC who receive systemic anti-cancer therapy (SACT) for RCC within 12 months of diagnosis.
Numerator:	<p>Number of patients with RCC which is advanced and / or metastatic at time of diagnosis^a where at least 12 months have elapsed since diagnosis irrespective of whether or not they have died who receive first treatment with SACT, within 12 months of diagnosis.</p> <p>'Date Treatment Started (Systemic Anti Cancer Therapy)' minus 'Date of Diagnosis' less than or equal to 12 months</p> <p>[SYSTDATE <> 10/10/1010] AND [SYSTDATE – DIAGDATE ≤ 365]</p>
Denominator:	<p>All patients with RCC which is advanced and / or metastatic at time of diagnosis where at least 12 months have elapsed since diagnosis irrespective of whether or not they have died (Excluding Patients documented to have performance status 2, 3 or 4 at time of diagnosis; Patients documented to have refused systemic treatment; and Patients enrolled in clinical trials).</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; AND ('TNM Tumour Classification (Clinical) (Kidney) (Pre-treatment)' coded as T4; OR 'TNM Metastasis Classification (Clinical) (Kidney) (Pre-treatment)' coded as M1); AND 'Date records considered complete' minus 'Date of diagnosis' greater than or equal to 12 months; AND 'WHO/ECOG Performance Status' not coded as 2, 3 or 4; AND 'Systemic Anti-cancer Therapy Agent' not coded as 'Patient refused systemic anti-cancer therapy'; AND 'Patient Entered into Clinical Trial' not coded as 'Yes, Systemic therapy'</p> <p>([cT = T4] OR [cM = M1]) AND [(DATECOMP - DIAGDATE ≥ 365 days) OR (SYSTDATE-DIAGDATE < 365 days) OR (DOD - DIAGDATE < 365 days)] AND [PSTATUS <> 2 OR 3 OR 4] AND [SYSTAGENT <> 95] AND [TRIAL <> 1A]</p>
Not recorded for numerator	<p>Include in the denominator for measurement against the target. Present as not recorded only if the patient cannot otherwise be identified as having met/not met the target</p> <p>[SYSDATE = 09/09/0909]</p>
Not recorded for exclusion	<p>Include in the denominator for measurement against the target unless there is other definitive evidence that the record should be excluded. Present as not recorded only where the record cannot otherwise be definitively identified as an inclusion/exclusion for this standard.</p> <p>[PSTATUS = 9] OR [SYSTAGENT = 99] OR [TRIAL = 99]</p>
Not recorded for denominator	<p>Exclude from the denominator for measurement against the target. Present as not recorded only where the patient cannot otherwise be definitively identified as an inclusion/exclusion for this standard</p> <p>[DATECOMP = 09/09/0909] OR [cT = 99] OR [cM = 99] OR [SYSTDATE = 09/09/0909]</p>

^a Advanced/ metastatic disease defined as T4N(any)M(any); T(any)N(any)M1.