



Sarcoma

Measurability of Quality Performance Indicators Version 2.4

To be read in conjunction with:

- **Sarcoma Clinical Quality Performance Indicators v2.0**
- **Sarcoma Data Definitions Latest (Published version)**

Measurability of Quality Performance Indicators for Sarcoma

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

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

Document control:

This Version

Title	Sarcoma Measurability of QPIs	Version/Issue Number	2.4
Effective From	1 st April 2015	Author	Charlotte Anthony, ISD
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Document Purpose	Final		
Summary of changes	Amendments agreed at 9mth review		

Revision History

Version	Date	Status	Summary of Changes	QPI (s)
2.0	Mar 2015	Final	Amendments agreed at 9mth review	1,3,4,5,6,8,9,10,11
2.1	Nov 2015	Final	Amendments made out-with review	3,11
2.2	Aug 2016	Final	Amendments agreed at Baseline Review	1,2,3,4,5,6,7,8,11
2.3	Sept 2016	Final	Amendments out with review	5, 10
2.4	July 2017	Final	Amendments out with review	3,5,8,9,10

Updates from Previous Version

QPI	Summary of changes (excluding formatting changes) (Nov 2016)
3	Denominator: inserted morphology code 8811/1
5	Denominator – amended from GISTRISK = 10 OR 12 OR 13 OR 14 to [GISTRISK = 18 OR 20]
8	Denominator: inserted morphology code 8811/1
9	Denominator: inserted morphology code 8811/1
10	Denominator – amended from GISTRISK = 13 OR 14 to [GISTRISK = 20]

QPI	Summary of Baseline Review changes (excluding formatting changes) (Sept 2016)
5	Denominator - GISTRISK = 03 OR 04 OR 05 OR 06 should be replaced with GISTRISK = 10 OR 12 OR 13 OR 14
10	Denominator - GISTRISK = 05 OR 06 should be replaced with GISTRISK = 13 OR 14

QPI	Summary of Baseline Review changes (excluding formatting changes) (Aug 2016)
1	Denominator inserted 'excluding patients with cutaneous sarcomas'; 'b' footnote added 'Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included'; SITE codes deleted 'C41.3' and added 'C47.1 OR C47.2 OR C47.5'

2	Denominator inserted 'excluding patients with cutaneous sarcomas'; 'b' footnote added 'Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included'; SITE codes deleted 'C41.3' and added 'C47.1 OR C47.2 OR C47.5'
3	Denominator inserted 'excluding patients with cutaneous sarcomas' 'b' footnote added 'Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included'
4	Denominator inserted 'excluding patients with cutaneous sarcomas'; 'b' footnote added 'Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included'; SITE codes deleted 'C41.3' and added 'C47.1 OR C47.2 OR C47.5'
5	Changed 'within 6 months of diagnosis' to 'within 3 months of diagnosis'; Numerator amended 'DIAGDATE ≤ 182 days' to 'DIAGDATE ≤ 92 days'
6	Numerator removed 'and Site of Origin of Primary Tumour {Cancer} coded as Limb'; Removed 'OR X12.1 AND [SITE = C40.0 OR C40.2 OR C49.1 OR C49.2]; Inserted OPCODES – X08.8 OR X08.9 OR X10.2; Denominator inserted 'Excluding patients with cutaneous sarcomas b and patients who died before first treatment' 'b' footnote added 'Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included'; inserted 'and Type of First Treatment not coded as patient died before treatment' – AND [FIRSTTREATTYPE <> 94] SITE codes deleted 'C41.3' and added 'C47.1 OR C47.2 OR C47.5'; NR Numerator removed 'OR [SITE = C99.x]; NR Exclusion inserted [FIRSTTREATTYPE = 99]
7	Denominator inserted 'excluding patients with cutaneous sarcomas'; 'b' footnote added 'Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included'; SITE codes deleted 'C41.3' and added 'C47.1 OR C47.2 OR C47.5'
8	Denominator inserted ' and patients within cutaneous sarcoma 'b' footnote added 'Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included' in exclusions.
11	Major changes – see main document.

QPI	Summary of changes (excluding formatting changes) (Nov 2015)
3	(Query 1056) Num - Replace [cTSARC <> 99] OR [cNSARC <> 99] OR [cMSARC <> 99] AND
11	(Query 1084) Num (i) and (ii) added DOD <> 10/10/1010; (Query 1066) Den (ii) – Remove 'Intent of Surgery coded as Palliative'; (Query 1079) Num change to receive curative or palliative oncological treatment

QPI	Summary of changes (excluding formatting changes) (March 2015)
1	Add to DEN SITE code C41.3 and C41.4, NR DEN changed to 'SITE = C99.X OR (OPCODE1 AND OPCODE2 = 99) OR SURGPRESNT = 99'
2	Num changed to [MDTDATE <> 10/10/1010] AND ([MDTDATE ≤ DEFTREATDATE] OR [DEFTREATDATE = 10/10/1010])
3	NUM changed DSURG to DEFTREARDATE and remove (OR[CHEMDATE1 = 09/09/0909] OR {RSTARTDATE1 = 09/09/0909}; NR NUM add CT to cTSARC, CN to cNSARC, CM to cMSARC; NR DEN = 9999/9 not 99
4	NR DEN needs to change to 'SITE = C99.X OR OPINTENT = 99 OR (OPCODE1 AND OPCODE2 = 99)'
5	CM should be replaced with cMSARC
6	OPCODE3 removed from the Numerator & NR NUM; Add Opcodes X07.1, X07.2, X07.3, X07.4, X07.5, X07.8, X07.9, X08.1, X08.2, X08.3, X08.4, X09.1, X09.2, X09.3, X09.4, X09.5X09.8, X09.9, X10.1, X10.3, X10.4, X10.8, X10.9, X11.1, X11.2, X11.8; X11.9
8	Remove OPCODE3 in NR EXCL & 2. NR DEN MORPHOL = 9999/9 not 99
9	NR NUM change to (CHEMTYPE1 AND CHEMTYPE2 AND CHEMTYPE3 = 99) OR (SACTAGENT1 AND SACTAGENT2 AND SACTAGENT3 = 99)'
10	NUM - DSURG-CHEMDATE1 ≤ 90 DAYS; DEN - add OPCODES G27.9, G28.9, G01.0, G01.8, G02.2, G03.8, T30.9, T03.9, G05.4. NR DEN changed to (OPCODE1 AND OPCODE2 = 99)'.
11	NUM - LESS THAN OR EQUAL TO 30 DAYS; NUM change to (RCOMPDATE1 AND RCOMPDATE 2 AND RCOMPDATE 3 = 09/09/0909) OR (CHEMENDATE1 AND CHEMENDATE 2 AND CHEMENDATE 3 = 09/09/0909)

QPI 1 – Histological Diagnosis

QPI Title:	Patients with extremity ^a sarcoma should have a histological diagnosis before undergoing a planned surgical resection.
Description:	Proportion of patients with extremity ^a sarcoma who have a histological diagnosis before undergoing a planned surgical resection.
Numerator	<p>Number of patients with extremity^a sarcoma who undergo a planned surgical resection who have a histological diagnosis before surgical resection takes place.</p> <p>Date of Histological Diagnosis {Sarcoma} not coded as no applicable and coded as before Date of Surgery</p> <p>[DIAGDATE <> 10/10/1010] AND [DIAGDATE < DSURG]</p>
Denominator	<p>All patients with extremity^a sarcoma who undergo a planned surgical resection. (<i>Excluding patients with cutaneous sarcomas^b</i>).</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; and Site of Origin of Primary Tumour {Cancer} coded as extremity; and Final Definitive (or Only) Surgery Performed (Surgery) coded as surgical resection; and Presentation Type (Surgical) coded as elective.</p> <p>[SITE = C40.0 OR C40.1 OR C40.2 OR C40.3 OR C41.4 OR C47.1 OR C47.2 OR C47.5 OR C49.1 OR C49.2 OR C49.5] AND [OPCODE1 OR OPCODE2 = E54.1 OR E54.2 OR E54.3 OR E54.4 OR E54.5 OR E54.8 OR E54.9 OR E55.1 OR E55.2 OR E55.3 OR E55.4 OR E55.8 OR E55.9 OR T01.3 OR T01.8 OR T01 OR T31.2 OR T31.3 OR T51.1 OR T51.2 OR T53.1 OR T53.2 OR T77.1 OR T77.2 OR T77.3 OR T77.4 OR T77.8 OR T77.9 OR T85.1 OR T85.2 OR T85.3 OR T85.4 OR T85.5 OR T85.8 OR T85.9 OR T87.1 OR T87.2 OR T87.3 OR T87.4 OR T87.5 OR T87.6 OR T87.7 OR T87.8 OR T87.9 OR T96.1 OR T96.2 OR T96.3 OR T96.8 OR T96.9 OR W06.1 OR W06.2 OR W06.3 OR W06.4 OR W06.5 OR W06.6 OR W06.7 OR W06.8 OR W06.9 OR W07.1 OR W07.2 OR W07.3 OR W07.8 OR W07.9 OR W08.1 OR W08.2 OR W08.3 OR W08.4 OR W08.5 OR W08.7 OR W08.8 OR W08.9 OR W09.1 OR W09.7 OR W09.8 OR W09.9 OR V43.1 OR V43.2 OR V43.3 OR V43.8 OR V43.9 OR Q07 OR Q07.1 OR Q07.2 OR Q07.3 OR Q07.4 OR Q07.5 OR Q07.6 OR Q08.1 OR Q08.2 OR Q08.3 OR Q08.8 OR Q08.9 OR X07.1 OR X07.2 OR X07.3 OR X07.4 OR X07.5 OR X07.8 OR X07.9 OR X08.1 OR X08.2 OR X08.3 OR X08.4 OR X21.5 OR X21.6 OR X08.8 OR X08.9 OR X09.1 OR X09.3 OR X09.4 OR X09.5 OR X09.8 OR X09.9 OR X10.1 OR X10.4 OR X10.8 OR X10.9 OR X11.1 OR X11.2 OR X27.3 OR X11.8 OR X12.1 OR X12.2] AND [SURGPRESNT = 01]</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>[DIAGDATE = 09/09/0909] OR [DSURG = 09/009/0909]</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. 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>[SITE = C99.X] OR [OPCODE1 AND OPCODE2 = 99] OR [SURGPRESNT = 99]</p>

^a Extremity can be defined as: upper limb, shoulder girdle to fingers or lower extremity, iliac crest/buttock to toes

^b Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included

QPI 2 – Multi-Disciplinary Team Meeting (MDT)

QPI Title:	Patients with extremity ^a sarcoma should be discussed by a multidisciplinary team (MDT) prior to definitive treatment.
Description:	Proportion of patients with extremity ^a sarcoma who are discussed at a MDT meeting before definitive treatment.
Numerator	Number of patients with extremity ^a sarcoma discussed at the MDT before definitive treatment. Date Discussed by Care Team (MDT) not coded as not applicable AND Date Discussed by Care Team (MDT) less than or equal to Date of Definitive Treatment OR Date of Definitive Treatment equal to not applicable [MDTDATE <> 10/10/1010] AND ([MDTDATE ≤ DEFTREATDATE] OR [DEFTREATDATE = 10/10/1010])
Denominator	All patients with extremity ^a sarcoma. <i>(Excluding patients with cutaneous sarcomas^b and patients who died before first treatment).</i> Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; and Site of Origin of Primary Tumour {Cancer} coded as extremity; and Type of First Treatment not coded as patient died before treatment. [SITE =C40.0 OR C40.1 OR C40.2 OR C40.3 OR C41.4 OR C47.1 OR C47.2 OR C47.5 OR C49.1 OR C49.2 OR C49.5] AND [FIRSTTREATTYPE <> 94]
Not recorded for numerator	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 [MDTDATE = 09/09/0909] OR [DEFTREATDATE = 09/09/0909]
Not recorded for exclusion	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. [FIRSTTREATTYPE = 99]
Not recorded for denominator	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 [SITE = C99.X]

^a Extremity can be defined as: upper limb, shoulder girdle to fingers or lower extremity, iliac crest/buttock to toes

^b Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included

QPI 3 – Clinical Staging

QPI Title:	Patients with extremity ^a soft tissue sarcoma should be staged using the Tumour Node Metastases (TNM) staging system.
Description:	Proportion of patients whose extremity ^a soft tissue sarcoma is staged using the TNM staging system prior to definitive treatment.
Numerator	<p>Number of patients with extremity^a soft tissue sarcoma who are clinically staged using TNM staging system prior to definitive treatment.</p> <p>TNM Tumour Classification (Clinical) {Sarcoma} not coded as Not Recorded; and Date Staging CT Scan Complete not coded as Not Recorded; and Date Staging CT Scan Complete less than or equal to Date of Definitive Treatment {Sarcoma}</p> <p>[cTSARC <> 99] OR [cNSARC <> 99] OR [cMSARC <> 99] AND [CTDATE <> 10/10/1010] AND [CTDATE ≤ DEFTREATDATE]</p>
Denominator	<p>All patients with extremity^a soft tissue sarcoma. (<i>Excluding patients with cutaneous sarcomas^b, and patients with rhabdomyosarcomas</i>).</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; and Site of Origin of Primary Tumour {Cancer} coded as extremity, soft tissue sarcoma; and Morphology of Tumour not coded as Rhabdomyosarcomas.</p> <p>[SITE = C49.1 OR C49.2 OR C49.5] AND [MORPHOL <> 8900/3 OR 8901/3 OR 8902/3 OR 8910/3 OR 8912/3 OR 8920/3 OR 8921/3 OR 8811/1]</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>[cTSARC = 99] OR [cNSARC = 99] OR [cMSARC = 99] AND [CTDATE = 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>[MORPHOL = 9999/9]</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>[SITE = C99.X]</p>

^a Extremity can be defined as: upper limb, shoulder girdle to fingers or lower extremity, iliac crest/buttock to toes

^b Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included

QPI 4 – Surgical Margins

QPI Title:	Patients with extremity ^a sarcoma undergoing surgical resection should have their tumour adequately excised.
Description:	Proportion of patients with extremity ^a sarcoma, who undergo curative surgical resection where R0 resection is achieved.
Numerator	Number of patients with extremity ^a sarcoma who undergo surgical resection with curative intent where R0 resection is achieved. Surgical Margins coded as Margins confirmed as clear [SURGMARG = R0]
Denominator	All patients with extremity ^a sarcoma who undergo surgical resection with curative intent. <i>(Excluding patients with cutaneous sarcomas^b)</i> Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; and Site of Origin of Primary Tumour {Cancer} coded as extremity; Intent of Surgery coded as Curative; and Final Definitive (or Only) Surgery Performed (Surgery) {Sarcoma} coded as Surgical Resection. [SITE =C40.0 OR C40.1 OR C40.2 OR C40.3 OR C41.4 OR C47.1 OR C47.2 OR C47.5 OR C49.1 OR C49.2 OR C49.5] AND [OPINTENT = 01] AND [OPCODE1 OR OPCODE2 = E54.1 OR E54.2 OR E54.3 OR E54.4 OR E54.5 OR E54.8 OR E54.9 OR E55.1 OR E55.2 OR E55.3 OR E55.4 OR E55.8 OR E55.9 OR T01.3 OR T01.8 OR T01 OR T31.2 OR T31.3 OR T51.1 OR T51.2 OR T53.1 OR T53.2 OR T77.1 OR T77.2 OR T77.3 OR T77.4 OR T77.8 OR T77.9 OR T85.1 OR T85.2 OR T85.3 OR T85.4 OR T85.5 OR T85.8 OR T85.9 OR T87.1 OR T87.2 OR T87.3 OR T87.4 OR T87.5 OR T87.6 OR T87.7 OR T87.8 OR T87.9 OR T96.1 OR T96.2 OR T96.3 OR T96.8 OR T96.9 OR W06.1 OR W06.2 OR W06.3 OR W06.4 OR W06.5 OR W06.6 OR W06.7 OR W06.8 OR W06.9 OR W07.1 OR W07.2 OR W07.3 OR W07.8 OR W07.9 OR W08.1 OR W08.2 OR W08.3 OR W08.4 OR W08.5 OR W08.7 OR W08.8 OR W08.9 OR W09.1 OR W09.7 OR W09.8 OR W09.9 OR V43.1 OR V43.2 OR V43.3 OR V43.8 OR V43.9 OR Q07 OR Q07.1 OR Q07.2 OR Q07.3 OR Q07.4 OR Q07.5 OR Q07.6 OR Q08.1 OR Q08.2 OR Q08.3 OR Q08.8 OR Q08.9 OR X07.1 OR X07.2 OR X07.3 OR X07.4 OR X07.5 OR X07.8 OR X07.9 OR X08.1 OR X08.2 OR X08.3 OR X08.4 OR X21.5 OR X21.6 OR X08.8 OR X08.9 OR X09.1 OR X09.3 OR X09.4 OR X09.5 OR X09.8 OR X09.9 OR X10.1 OR X10.4 OR X10.8 OR X10.9 OR X11.1 OR X11.2 OR X27.3 OR X11.8 OR X12.1 OR X12.2]
Not recorded for numerator	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 [SURGMARG = 99]
Not recorded for exclusion	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. N/A
Not recorded for denominator	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 [SITE = C99.X] OR [OPINTENT = 99] OR [OPCODE1 AND OPCODE2 = 99]

^a Extremity can be defined as: upper limb, shoulder girdle to fingers or lower extremity, iliac crest/buttock to toes

^b Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included

QPI 5 – Molecular Staging of Gastrointestinal Stromal Tumour (GIST)

QPI Title:	Patients with high or moderate risk gastrointestinal stromal tumour (GIST), small bowel GISTs and primary metastatic GIST should have mutational analysis within 3 months of diagnosis
Description:	Proportion of patients with high or moderate risk GIST, small bowel GISTs and primary metastatic GIST who have mutational analysis within 3 months of diagnosis.
Numerator	Number of patients with high or moderate risk GIST, small bowel GISTs and primary metastatic GIST who have mutational analysis within 3 months of diagnosis. Mutational Analysis coded as Yes or Date of Mutational Analysis less than or equal to 3 months from Date of Diagnosis [MUTANALYSIS = 01] AND [DMUTANALYSIS – DIAGDATE ≤ 92 days]
Denominator	All patients with high or moderate risk GIST, small bowel GISTs and primary metastatic GIST at diagnosis. (No exclusions). Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; and Gastrointestinal Stromal Tumour (GIST) Risk Score coded as high or moderate; or TNM Metastases Classification (Clinical) {Sarcoma} coded as Distant metastasis; and Morphology of Tumour coded as Gastrointestinal stromal sarcoma; or SITE coded as Small Intestine and Morphology of Tumour coded as Gastrointestinal stromal sarcoma. [GISTRISK = 18 OR 20] OR ([cMSARC = M1] AND [MORPHOL = 8936/3]) OR (SITE = C17.9] AND [MORPHOL = 8936/3])
Not recorded for numerator	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 [MUTANALYSIS = 99] OR [DMUTANALYSIS = 09/09/0909] OR [DIAGDATE = 09/09/0909]
Not recorded for exclusion	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. N/A
Not recorded for denominator	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 [GISTRISK = 99] OR [CM=99] OR [MORPHOL=9999/9] OR [SITE=C99.X]

QPI 6 – Limb Sparing Surgery

QPI Title:	Patients with extremity ^a sarcoma should have primary limb-sparing surgery.
Description:	Proportion of patients with extremity ^a sarcoma who undergo a primary limb-sparing surgery.
Numerator	<p>Number of patients with extremity^a sarcoma who undergo a primary limb-sparing surgery.</p> <p>Date of Surgery not coded as Not applicable; Final Definitive (or Only) Surgery Performed (Surgery) {Sarcoma} not coded as amputation</p> <p>[DSURG<> 10/10/1010] AND [OPCODE1 OR OPCODE2 <> X07.1 OR X07.2 OR X07.3 OR X07.4 OR X07.5 OR X07.8 OR X07.9 OR X08,1 OR X08.2 OR X08.3 OR X08.4 OR X08.8 OR X08.9 X09.1 OR X09.2 OR X09.3 OR X09.4 OR X09.5 OR X09.8 OR X09.9 OR X10.1 OR X10.2 OR X10.3 OR X10.4 OR X10.8 OR X10.9 OR X11.1 OR X11.2 OR X11.8 OR X11.9]</p>
Denominator	<p>All patients with extremity^a sarcoma. <i>(Excluding patients with cutaneous sarcomas^b and patients who died before first treatment).</i></p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; and Site of Origin of Primary Tumour {Cancer} coded as extremity; and Type of First Treatment not coded as patient died before treatment.</p> <p>[SITE = C40.0 OR C40.1 OR C40.2 OR C40.3 OR C41.4 OR C47.1 OR C47.2 OR C47.5 OR C49.1 OR C49.2 OR C49.5] AND [FIRSTTREATTYPE <> 94]</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>[OPCODE1-2 = 99] OR [DSURG <>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>[FIRSTTREATTYPE = 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>[SITE = C99.X]</p>

^a Extremity can be defined as: upper limb, shoulder girdle to fingers or lower extremity, iliac crest/buttock to toes

^b Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included

QPI 7 – Primary Flap Reconstruction

QPI Title:	Patients with extremity ^a sarcoma should have successful* primary flap reconstruction following surgical resection.
Description:	Proportion of patients with sarcoma who undergo successful primary flap reconstruction following surgical resection.
Numerator	Number of patients with extremity ^a sarcoma who undergo successful primary flap reconstruction. Primary Flap Construction coded as Yes – Successful [PRIMFLAP = 01]
Denominator	All patients with extremity ^a sarcoma who undergo a primary flap reconstruction. (<i>Excluding patients with cutaneous sarcomas^b</i>) Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; and Site of Origin of Primary Tumour {Cancer} coded as Sarcoma; Primary Flap Construction coded as Yes – Successful or Yes – Unsuccessful [SITE =C40.0 OR C40.1 OR C40.2 OR C40.3 OR C41.4 OR C47.1 OR C47.2 OR C47.5 OR C49.1 OR C49.2 OR C49.5] AND [PRIMFLAP = 01 OR 02]
Not recorded for numerator	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 [PRIMFLAP = 99]
Not recorded for exclusion	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. N/A
Not recorded for denominator	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 [SITE = C99.X] OR [PRIMFLAP = 99]

^a Extremity can be defined as: upper limb, shoulder girdle to fingers or lower extremity, iliac crest/buttock to toes

^b Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included

QPI 8- Time to Post Operative Radiotherapy

QPI Title:	Patients with a high grade, deep ^c , extremity ^a soft tissue sarcoma should receive radiotherapy within 3 months of a planned marginal wide local excision.
Description:	Proportion of patients with an extremity ^a soft tissue sarcoma which is deep ^d and grade 2 or 3 who receive post operative radiotherapy within 3 months of a planned marginal wide local excision (R0 or R1).
Numerator	<p>Number of patients, aged 16 and over, with grade 2 or 3, deep^d, extremity^a soft tissue sarcoma undergoing a planned marginal wide local excision who commenced post operative radiotherapy within 3 months of surgery.</p> <p>Date Treatment Started (Radiotherapy) {Sarcoma} 1-3 coded as not Not applicable and within 3 months of Date of Surgery</p> <p>[RSTARTDATE <> 10/10/1010] AND [RSTARTDATE1 – DSURG < 3 months]</p>
Denominator	<p>All patients, aged 16 and over, with grade 2 or 3, deep^d, extremity^a soft tissue sarcoma undergoing a planned marginal wide local excision. (<i>Excluding patients undergoing amputation, patients who undergo a compartmentectomy, patients who have had pre operative radiotherapy, patients with rhabdomyosarcoma, patients with a tumour superficial to the fascia and patients with cutaneous sarcomas^b</i>).</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; and patient aged 16 and over; and Site of Origin of Primary Tumour {Cancer} coded as extremity, soft tissue sarcoma; and Location of Sarcoma coded as Deep to Fascia; and TNM Histopathological Tumour Grade {Soft Tissue Sarcoma} coded as G2 OR G3; and Presentation Type (Surgical) coded as elective; and Surgical Margins coded as R0 or R1 and Final Definitive (or Only) Surgery Performed (Surgery) {Sarcoma} coded as Surgical Resection and not coded as amputation or excision of whole muscle group; and Radiotherapy Course Type {Sarcoma} 1-3 not coded as Neo-adjuvant; and Morphology of Tumour not coded as rhabdomyosarcoma.</p> <p>[DSURG – DOB >= 16 years] AND [SITE = C49.1 OR C49.2 OR C49.5] AND [SITELOCATION = 02D] AND [TUMGRADE = G2 OR G3] AND [PRESENT = 01] AND [SURGMARG = R0 OR R1] AND [OPCODE1 OR OPCODE2 = E54.1 OR E54.2 OR E54.3 OR E54.4 OR E54.5 OR E54.8 OR E54.9 OR E55.1 OR E55.2 OR E55.3 OR E55.4 OR E55.8 OR E55.9 OR T01.3 OR T01.8 OR T01.2 OR T31.2 OR T31.3 OR T51.1 OR T51.2 OR T53.1 OR T53.2 OR T77.1 OR T77.2 OR T77.3 OR T77.4 OR T77.8 OR T77.9 OR T85.1 OR T85.2 OR T85.3 OR T85.4 OR T85.5 OR T85.8 OR T85.9 OR T87.1 OR T87.2 OR T87.3 OR T87.4 OR T87.5 OR T87.6 OR T87.7 OR T87.8 OR T87.9 OR T96.1 OR T96.2 OR T96.3 OR T96.8 OR T96.9 OR W06.1 OR W06.2 OR W06.3 OR W06.4 OR W06.5 OR W06.6 OR W06.7 OR W06.8 OR W06.9 OR W07.1 OR W07.2 OR W07.3 OR W07.8 OR W07.9 OR W08.1 OR W08.2 OR W08.3 OR W08.4 OR W08.5 OR W08.7 OR W08.8 OR W08.9 OR W09.1 OR W09.7 OR W09.8 OR W09.9 OR V43.1 OR V43.2 OR V43.3 OR V43.8 OR V43.9 OR Q07 OR Q07.1 OR Q07.2 OR Q07.3 OR Q07.4 OR Q07.5 OR Q07.6 OR Q08.1 OR Q08.2 OR Q08.3 OR Q08.8 OR Q08.9] AND [OPCODE1 OR OPCODE2 <> X07.1 OR X07.2 OR X07.3 OR X07.4 OR X07.5 OR X07.8 OR X07.9 OR X08.1 OR X08.2 OR X08.3 OR X08.4 OR X21.5 OR X21.6 OR X08.8 OR X08.9 OR X09.1 OR X09.3 OR X09.4 OR X09.5 OR X09.8]</p>

^c Deep can be defined as: deep to fascia, this is determined radiologically.

^a Extremity can be defined as: upper limb, shoulder girdle to fingers or lower extremity, iliac crest/buttock to toes.

^b Please note site codes for cutaneous sarcoma are C44.6 and C44.7 which are not included

	OR X09.9 OR X10.1 OR X10.4 OR X10.8 OR X10.9 OR X11.1 OR X11.2 OR X27.3 OR X11.8 OR X12.1 OR T77.1] AND [RCOURSETYPE1 OR RCOURSETYPE2 OR RCOURSETYPE3 <>04] AND [MORPHOL <> 8900/3 OR 8901/3 OR 8902/3 OR 8910/3 OR 8912/3 OR 8920/3 OR 8921/3 OR 8811/1]
Not recorded for numerator	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 [RSTARTDATE = 09/09/0909] OR [DSURG = 09/09/0909]
Not recorded for exclusion	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. [OPCODE1 OR OPCODE2 = 99] OR [RCOURSETYPE1 OR RCOURSETYPE2 OR RCOURSETYPE3 = 99] OR [MORPHOL = 9999/9]
Not recorded for denominator	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 [DSURG = 09/09/0909] OR [DOB = 09/09/0909] OR [SITE = C99.X] OR [SITELOCATION = 99] OR [TUMGRADE = 99] OR [PRESENT = 99] OR [SURGMARG = 99] OR [OPCODE1 OR OPCODE2 = 99]

QPI 9 – Neoadjuvant Systemic Anti Cancer Therapy (SACT) for Osteosarcoma or Ewing’s sarcoma

QPI Title:	Patients with Osteosarcoma or Ewing’s sarcoma should receive neoadjuvant combination SACT when clinically indicated.
Description:	<p>Proportion of patients with Osteosarcoma or Ewing’s sarcoma who receive neoadjuvant combination SACT.</p> <p>Please note: This QPI measures two distinct elements to ensure clear measurement of each sarcoma type:</p> <ul style="list-style-type: none"> i. Patients under the age of 40 with Osteosarcoma who receive neoadjuvant SACT. ii. Patients under the age of 50 with Ewing’s sarcoma who receive neoadjuvant SACT.
Numerator (i)	<p>Number of patients with Osteosarcoma who are under the age of 40 who undergo neoadjuvant combination SACT.</p> <p>Type of Systemic Anti-Cancer Therapy (SACT) {Sarcoma} 1-3 coded as Neoadjuvant; and Systemic Therapy Agent {Sarcoma} 1-3 coded as Doxorubicin/ Cisplatin/ Methotrexate or Doxorubicin/ Cisplatin</p> <p>[CHEMTYPE1 OR CHEMTYPE2 OR CHEMTYPE3 = 01] AND [SACTAGENT1 OR SACTAGENT2 OR SACTAGENT3 = 10 OR 11]</p>
Numerator (ii)	<p>Number of patients with Ewing’s sarcoma who are under the age of 50 who undergo neoadjuvant combination SACT.</p> <p>Type of Systemic Anti-Cancer Therapy (SACT) {Sarcoma} 1-3 coded as Neoadjuvant; and Systemic Therapy Agent {Sarcoma} 1-3 coded as Euro-Ewing’s 99 OR Carboplatin/ Etoposide OR Cisplatin/ Etoposide OR Ifosphamide/ Carboplatin/ Etoposide</p> <p>[CHEMTYPE1 OR CHEMTYPE2 OR CHEMTYPE3 = 01] AND [SACTAGENT1 OR SACTAGENT2 OR SACTAGENT3 = 01 OR 02 OR 03 OR 05]</p>
Denominator (i)	<p>All patients with Osteosarcoma who are under the age of 40. <i>(Excluding patients undergoing emergency primary surgery or radiotherapy).</i></p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; Morphology of Tumour coded as Osteosarcoma; and patient aged less than 40; and Presentation Type (Surgical) not coded as Emergency; and Date Treatment Started (Radiotherapy) {Sarcoma} 1-3 coded as Not applicable.</p> <p>[MORPHOL = 9180/3 OR 9181/3 OR 9182/3 OR 9183/3 OR 9184/3 OR 9185/3 OR 9186/3 OR 9187/3 OR 9192/3 OR 9194/3 OR 9195/3 OR 8811/1] AND [DSURG – DOB < 40 years] AND [SURGPRESNT <>02] AND [RSTARTDATE1 AND RSTARTDATE2 AND RSTARTDATE3 = 10/10/1010]</p>
Denominator (ii)	<p>All patients with Ewing’s sarcoma who are under the age of 50. <i>(Excluding patients undergoing emergency primary surgery or radiotherapy).</i></p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; Morphology of Tumour coded as Ewing’s Sarcoma; and patient aged less than 50; and Presentation Type (Surgical) not coded as Emergency; and Date Treatment Started (Radiotherapy)</p>

	<p>{Sarcoma} 1-3 coded as Not applicable.</p> <p>[MORPHOL = 9260/3] AND [DSURG – DOB < 50 years] AND [SURGPRESNT <>02] AND [RSTARTDATE1 AND RSTARTDATE2 AND RSTARTDATE3 = 10/10/1010]</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>(i) And (ii) [CHEMTYPE1 AND CHEMTYPE2 AND CHEMTYPE3 = 99] OR [SACTAGENT1 AND SACTAGENT2 AND SACTAGENT3 =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) And (ii) [SURGPRESNT = 99] OR [RSTARTDATE1 OR RSTARTDATE2 OR RSTARTDATE3 = 09/09/0909]</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>(ii) And (ii) [MORPHOL = 99] OR [DSURG = 09/09/0909] OR [DOB = 09/09/0909]</p>

QPI 10 – Adjuvant Oncological Treatment for Gastrointestinal Stromal Tumour (GIST)

QPI Title:	Patients with high risk Gastrointestinal Stromal Tumour (GIST) should commence adjuvant imatinib within 3 months of complete macroscopic resection.
Description:	Proportion of patients with high risk GIST who commence adjuvant imatinib within 3 months of complete macroscopic resection.
Numerator	<p>Number of patients, aged 16 and over, with high risk GIST undergoing complete macroscopic resection who commence adjuvant imatinib within 3 months of complete macroscopic resection.</p> <p>Biological Therapy Agent {Sarcoma} coded as Imatinib; and Date of Surgery minus Date Treatment Started Systemic Anti-Cancer Therapy (SACT) {Sarcoma} 1-3 less than or equal to 90 days</p> <p>[BIOAGENT = 01] AND [DSURG - CHEMDATE1 ≤ 90 DAYS]</p>
Denominator	<p>All patients aged 16 and over, with high risk GIST undergoing complete macroscopic resection. <i>(Excluding patients who are enrolled in a clinical trial).</i></p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; patient aged 16 or over at time of first treatment; and Gastrointestinal Stromal Tumour (GIST) Risk Score coded as high risk; and Final Definitive (or Only) Surgery Performed (Surgery) {Sarcoma} coded as Surgical Resection and Measurement of Macroscopic Residual Disease coded as complete; and Patient Entered into Clinical Trial not coded as Yes</p> <p>[FIRSTTREATDATE – DOB > 16years] AND [GISTRISK = 20] AND [OPCODE1 OR OPCODE2 = G27.9 OR G28.9 OR G01.1 OR G01.8 OR G02.2 OR G03.8 OR T30.9 OR T03.9 OR G05.4 OR E54.1 OR E54.2 OR E54.3 OR E54.4 OR E54.5 OR E54.8 OR E54.9 OR E55.1 OR E55.2 OR E55.3 OR E55.4 OR E55.8 OR E55.9 OR T01.3 OR T01.8 OR T01 OR T31.2 OR T31.3 OR T51.1 OR T51.2 OR T53.1 OR T53.2 OR T77.1 OR T77.2 OR T77.3 OR T77.4 OR T77.8 OR T77.9 OR T85.1 OR T85.2 OR T85.3 OR T85.4 OR T85.5 OR T85.8 OR T85.9 OR T87.1 OR T87.2 OR T87.3 OR T87.4 OR T87.5 OR T87.6 OR T87.7 OR T87.8 OR T87.9 OR T96.1 OR T96.2 OR T96.3 OR T96.8 OR T96.9 OR W06.1 OR W06.2 OR W06.3 OR W06.4 OR W06.5 OR W06.6 OR W06.7 OR W06.8 OR W06.9 OR W07.1 OR W07.2 OR W07.3 OR W07.8 OR W07.9 OR W08.1 OR W08.2 OR W08.3 OR W08.4 OR W08.5 OR W08.7 OR W08.8 OR W08.9 OR W09.1 OR W09.7 OR W09.8 OR W09.9 OR V43.1 OR V43.2 OR V43.3 OR V43.8 OR V43.9 OR Q07 OR Q07.1 OR Q07.2 OR Q07.3 OR Q07.4 OR Q07.5 OR Q07.6 OR Q08.1 OR Q08.2 OR Q08.3 OR Q08.8 OR Q08.9 OR X07.1 OR X07.2 OR X07.3 OR X07.4 OR X07.5 OR X07.8 OR X07.9 OR X08.1 OR X08.2 OR X08.3 OR X08.4 OR X21.5 OR X21.6 OR X08.8 OR X08.9 OR X09.1 OR X09.3 OR X09.4 OR X09.5 OR X09.8 OR X09.9 OR X10.1 OR X10.4 OR X10.8 OR X10.9 OR X11.1 OR X11.2 OR X27.3 OR X11.8 OR X12.1 OR X12.2] AND [TUMSIZE = 01] AND [TRIAL <> 01]</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>[BIOAGENT = 99] OR [DSURG = 09/09/0909] OR [CHEMDATE1 = 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>[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>[FIRSTTREATDATE = 09/09/0909] OR [DOB = 09/09/0909] OR [GISTRISK = 99] OR [OPCODE1 AND OPCODE2 = 99] OR [TUMSIZE = 99]</p>

QPI 11 - 30 Day Mortality

QPI Title:	30 day mortality following treatment for sarcoma.
Description:	Proportion of patients who die within 30 days of surgical resection or oncological treatment for sarcoma.
Numerator (i)	<p>Number of patients with sarcoma who undergo surgical resection or oncological treatment with curative intent who die within 30 days of treatment.</p> <p>Date of Death minus Date of Surgery {Sarcoma} less than 30 days and not equal to Not applicable and Date of Death not equal to Not applicable; or Date of Death minus Date Treatment Completed (Radiotherapy) {Sarcoma} 1-3 less than or equal to 30 days and not equal to Not applicable and Date of Death not equal to Not applicable; or Date of Death minus Date Treatment Completed Systemic Anti-Cancer Therapy (SACT) {Sarcoma} 1-3 less than 30 days and not equal to Not applicable and Date of Death not equal to Not applicable.</p> <p>Surgery [DOD – DSURG ≤ 30] AND [DOD <> 10/10/1010]</p> <p>Radical Radiotherapy ((RCOURSETYPE1 = 5 AND [DOD – RCOMPDATE1 ≤ 30]) OR ([RCOURSETYPE2 = 5 AND [DOD – RCOMPDATE2 ≤ 30]) OR ([RCOURSETYPE3 = 5 AND [DOD – RCOMPDATE3 ≤ 30])) AND [DOD <> 10/10/1010]</p> <p>Neo-Adjuvant Chemotherapy ((CHEMTYPE1 = 1) AND [DOD - CHEMENDATE1 ≤ 30]) OR ([CHEMTYPE2 = 1] AND [DOD – CHEMENDATE2 ≤ 30]) OR ([CHEMOTYPE3 = 1] AND [DOD – CHEMENDATE3 ≤ 30])) AND [DOD <> 10/10/1010]</p> <p>Neo-Adjuvant Radiotherapy ((RCOURSETYPE1 = 4] AND [DOD - RCOMPDATE1 ≤ 30]) OR ([RCOURSETYPE2 = 4] AND [DOD – RCOMPDATE2 ≤ 30]) OR ([RCOURSETYPE3 = 4] AND [DOD – RCOMPDATE3 ≤ 30])) AND [DOD <> 10/10/1010]</p> <p>Adjuvant Chemotherapy ((CHEMTYPE1 = 2] AND [DOD - CHEMENDATE1 ≤ 30]) OR ([CHEMTYPE2 = 2] AND [DOD – CHEMENDATE2 ≤ 30]) OR ([CHEMTYPE3 = 2] AND [DOD – CHEMENDATE3 ≤ 30])) AND [DOD <> 10/10/1010]</p> <p>Adjuvant Radiotherapy ((RCOURSETYPE1 = 1] AND [DOD - RCOMPDATE1 ≤ 30]) OR ([RCOURSETYPE2 = 2] AND [DOD – RCOMPDATE2 ≤ 30]) OR ([RCOURSETYPE3 = 2] AND [DOD – RCOMPDATE3 ≤ 30])) AND [DOD <> 10/10/1010]</p> <p>Chemoradiotherapy ((CHEMTYPE1 = 8] AND [DOD – RCOMPDATE1 ≤ 30]) OR ([CHEMTYPE2 = 8] AND [DOD – RCOMPDATE2 ≤ 30]) OR ([CHEMOTYPE3 = 8] AND [DOD – RCOMPDATE3 ≤ 30])) AND [DOD <> 10/10/1010]</p> <p>Biological Therapy ((CHEMTYPE1 = 7] AND [DOD - CHEMENDATE1 ≤ 30]) OR ([CHEMTYPE2 = 7] AND [DOD – CHEMENDATE2 ≤ 30]) OR ([CHEMTYPE3 = 7] AND [DOD – CHEMENDATE3 ≤ 30])) AND [DOD <> 10/10/1010]</p>

Denominator (i)	<p>All patients with sarcoma who undergo surgical resection or oncological treatment with curative intent (<i>No exclusions</i>).</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; and Intent of Surgery coded as curative; or Radiotherapy Course Type {Sarcoma} 1-3 coded as Radical, Neo-Adjuvant ,Adjuvant, or Type of Systemic Anti-Cancer Therapy (SACT) {Sarcoma} 1-3 coded as Neo-Adjuvant, Adjuvant, Chemoradiotherapy or Biological therapy.</p> <p>Surgery [OPINTENT = 1]</p> <p>Radical Radiotherapy [RCOURSETYPE1 OR RCOURSETYPE2 OR RCOURSETYPE3 = 5]</p> <p>Neo-Adjuvant Chemotherapy [CHEMTYPE1 OR CHEMTYPE2 OR CHEMTYPE3 = 1]</p> <p>Neo-Adjuvant Radiotherapy [RCOURSETYPE1 OR RCOURSETYPE2 OR RCOURSETYPE3 = 4]</p> <p>Adjuvant Chemotherapy [CHEMTYPE1 OR CHEMTYPE2 OR CHEMTYPE3 = 2]</p> <p>Adjuvant Radiotherapy [RCOURSETYPE1 OR RCOURSETYPE2 OR RCOURSETYPE3 = 1]</p> <p>Chemoradiotherapy ([CHEMTYPE1 OR CHEMTYPE2 OR CHEMTYPE3 = 8] AND [RCOURSETYPE 1 OR RCOURSETYPE 2 OR RCOURSETYPE 3 = 6])</p> <p>Biological Therapy [CHEMTYPE1 OR CHEMTYPE2 OR CHEMTYPE3 = 7]</p>
Numerator (ii)	<p>Number of patients with sarcoma who undergo palliative oncological treatment who die within 30 days of treatment.</p> <p>Date of Death minus Date Treatment Completed (Radiotherapy) {Sarcoma} 1-3 less than or equal to 30 days and not equal to Not applicable and Date of Death not equal to Not applicable; or Date of Death minus Date Treatment Completed Systemic Anti-Cancer Therapy (SACT) {Sarcoma} 1-3 less than 30 days and not equal to Not applicable and Date of Death not equal to Not applicable</p> <p>Palliative Radiotherapy ((([RCOURSETYPE1 = 3] AND [DOD - RCOMPDATE1 ≤ 30]) OR ([RCOURSETYPE2 = 3] AND [DOD - RCOMPDATE2 ≤ 30]) OR ([RCOURSETYPE3 = 3] AND [DOD - RCOMPDATE3 ≤ 30])) AND [DOD <> 10/10/1010]</p> <p>Palliative Chemotherapy ((([CHEMTYPE1 = 4] AND [DOD - CHEMENDATE1 ≤ 30]) OR ([CHEMTYPE2 = 4] AND [DOD - CHEMENDATE2 ≤ 30]) OR ([CHEMOTYPE3 = 4] AND [DOD - CHEMENDATE3 ≤ 30])) AND [DOD <> 10/10/1010]</p>
Denominator (ii)	<p>All patients with sarcoma who undergo palliative oncological treatment. (<i>No exclusions</i>)</p> <p>Date of Diagnosis [DIAGDATE] in range specified for comparative analysis; and Radiotherapy Course Type {Sarcoma} 1-3 coded as Palliative; or Type of Systemic Anti-Cancer Therapy (SACT) {Sarcoma} 1-3 coded as Palliative.</p>

	<p>Palliative Radiotherapy [RCOURSETYPE1 OR RCOURSETYPE2 OR RCOURSETYPE3 = 3]</p> <p>Palliative Chemotherapy [CHEMTYPE1 OR CHEMTYPE2 OR CHEMTYPE3 = 4]</p>
<p>Not recorded for numerator(i)</p>	<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>Surgery [DOD = 09/09/0909] OR [DSURG = 09/09/0909]</p> <p>Radical Radiotherapy [DOD = 09/09/0909] OR [RCOURSETYPE1 = 5 AND RCOMPDATE1 = 09/09/0909] OR [RCOURSETYPE2 = 5 AND RCOMPDATE2 = 09/09/0909] OR [RCOURSETYPE3 = 5 AND RCOMPDATE3 = 09/09/0909]</p> <p>Neo-Adjuvant Chemotherapy [DOD = 09/09/0909] OR [CHEMTYPE1 = 1 AND CHEMENDATE1 = 09/09/0909] OR [CHEMTYPE2 = 1 AND CHEMENDATE2 = 09/09/0909] OR [CHEMTYPE3 = 1 AND CHEMENDATE3 = 09/09/0909]</p> <p>Neo-Adjuvant Radiotherapy [DOD = 09/09/0909] OR [RCOURSETYPE1 = 4 AND RCOMPDATE1 = 09/09/0909] OR [RCOURSETYPE2 = 4 AND RCOMPDATE2 = 09/09/0909] OR [RCOURSETYPE3 = 4 AND RCOMPDATE3 = 09/09/0909]</p> <p>Adjuvant Chemotherapy [DOD = 09/09/0909] OR [CHEMTYPE1 = 2 AND CHEMENDATE1 = 09/09/0909] OR [CHEMTYPE2 = 2 AND CHEMENDATE2 = 09/09/0909] OR [CHEMTYPE3 = 2 AND CHEMENDATE3 = 09/09/0909]</p> <p>Adjuvant Radiotherapy [DOD = 09/09/0909] OR [RCOURSETYPE1 = 1 AND RCOMPDATE1 = 09/09/0909] OR [RCOURSETYPE2 = 1 AND RCOMPDATE2 = 09/09/0909] OR [RCOURSETYPE3 = 1 AND RCOMPDATE3 = 09/09/0909]</p> <p>Chemoradiotherapy [DOD = 09/09/0909] OR [CHEMTYPE1 = 8 AND RCOMPDATE1 = 09/09/0909] OR [CHEMTYPE2 = 8 AND RCOMPDATE2 = 09/09/0909] OR [CHEMTYPE3 = 8 AND RCOMPDATE3 = 09/09/0909]</p> <p>Biological Therapy [DOD = 09/09/0909] OR [CHEMTYPE1 = 7 AND CHEMENDATE1 = 09/09/0909] OR [CHEMTYPE2 = 7 AND CHEMENDATE2 = 09/09/0909] OR [CHEMTYPE3 = 7 AND CHEMENDATE3 = 09/09/0909]</p>
<p>Not recorded for numerator(ii)</p>	<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>Palliative Radiotherapy [DOD = 09/09/0909] OR [RCOURSETYPE1 = 3 AND RCOMPDATE1 = 09/09/0909] OR [RCOURSETYPE2 = 3 AND RCOMPDATE2 = 09/09/0909] OR [RCOURSETYPE3 = 3 AND RCOMPDATE3 = 09/09/0909]</p> <p>Palliative Chemotherapy [DOD = 09/09/0909] OR [CHEMTYPE1 = 4 AND CHEMENDATE1 = 09/09/0909] OR [CHEMTYPE2 = 4 AND CHEMENDATE2 = 09/09/0909] OR [CHEMTYPE3 = 4 AND CHEMENDATE3 = 09/09/0909]</p>

Not recorded for exclusion	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. N/A
Not recorded for denominator(i)	<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>Surgery [OPINTENT = 99]</p> <p>Radical Radiotherapy [RCOURSETYPE1 = 99] OR [RCOURSETYPE1 <> 5 AND RCOURSETYPE2 = 99] OR [RCOURSETYPE1 <> 5 AND RCOURSETYPE2 <> 5 AND RCOURSETYPE3 = 99]</p> <p>Neo-Adjuvant Chemotherapy [CHEMTYPE1 = 99] OR [CHEMTYPE1 <> 1 AND CHEMTYPE2 = 99] OR [CHEMTYPE1 <> 1 AND CHEMTYPE2 <> 1 AND CHEMTYPE3 = 99]</p> <p>Neo-Adjuvant Radiotherapy [RCOURSETYPE1 = 99] OR [RCOURSETYPE1 <> 4 AND RCOURSETYPE2 = 99] OR [RCOURSETYPE1 <> 4 AND RCOURSETYPE 2 <> 4 AND RCOURSETYPE 3 = 99]</p> <p>Adjuvant Chemotherapy [CHEMTYPE1 = 99] OR [CHEMTYPE1 <> 2 AND CHEMTYPE2 = 99] OR [CHEMTYPE1 <> 2 AND CHEMTYPE2 <> 2 AND CHEMTYPE3 = 99]</p> <p>Adjuvant Radiotherapy [RCOURSETYPE1 = 99] OR [RCOURSETYPE1 <> 1 AND RCOURSETYPE2 = 99] OR [RCOURSETYPE1 <> 1 AND RCOURSETYPE2 <> 1 AND RCOURSETYPE3 = 99]</p> <p>Chemoradiotherapy [CHEMTYPE1 = 99] OR [CHEMTYPE1 <> 8 AND CHEMTYPE2 = 99] OR [CHEMTYPE1 <> 8 AND CHEMTYPE2 <> 8 AND CHEMTYPE3 = 99]</p> <p>Biological Therapy [CHEMTYPE1 = 99] OR [CHEMTYPE1 <> 7 AND CHEMTYPE2 = 99] OR [CHEMTYPE1 <> 7 AND CHEMTYPE2 <> 7 AND CHEMTYPE3 = 99]</p>
Not recorded for denominator(ii)	<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>Palliative Radiotherapy [RCOURSETYPE1 = 99] OR [RCOURSETYPE1 <> 3 AND RCOURSETYPE2 = 99] OR [RCOURSETYPE1 <> 3 AND RCOURSETYPE2 <> 3 AND RCOURSETYPE3 = 99]</p> <p>Palliative Chemotherapy [CHEMTYPE1 = 99] OR [CHEMTYPE1 <> 4 AND CHEMTYPE2 = 99] OR [CHEMTYPE1 <> 4 AND CHEMTYPE2 <> 4 AND CHEMTYPE3 = 99]</p>